ANAS S.p.A.

DIREZIONE CENTRALE PROGRAMMAZIONE PROGETTAZIONE

# PA 12/09

## CORRIDOIO PLURIMODALE TIRRENICO - NORD EUROPA
## ITINERARIO AGRIGENTO - CALTANISSETTA - A19
## S.S. N° 640 "DI PORTO EMPEDOCLE"
## AMMODERNAMENTO E ADEGUAMENTO ALLA CAT. B DEL D.M. 5.11.2001
## Dal km 44+000 allo svincolo con l'A19

# PROGETTO ESECUTIVO

Contraente Generale: Empedocle 2 s.c.p.a

## OPERE D'ARTE MAGGIORI
## GALLERIE NATURALI
## GALLERIA NATURALE COZZO GARLATTI
## OPERE DI IMBOCCO LATO AGRIGENTO
## Relazione di calcoclo gallerie artificiali

Codice Unico Progetto (CUP) : F91B09000070001

Codice Elaborato:

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| REV. | DATA | DESCRIZIONE | REDATTO | VERIFICATO | APPROVATO | AUTORIZZATO |
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| F | | | | | | |
| E | | | | | | |
| D | | | | | | |
| C | | | | | | |
| B | | | | | | |
| A | Aprile 2011 | EMISSIONE | M. PAPA | A. TURSO | M. LITI | P. PAGLINI |

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# 1 INTRODUZIONE

La presente relazione è parte integrante del progetto dell'itinerario Agrigento-Caltanissetta-A19 all'interno del quale è previsto l'adeguamento alla categoria B della S.S. 640 secondo le norme del D.M. 5.11.2001.

In particolare è oggetto della relazione la descrizione e verifica delle opere civili e delle modalità di esecuzione della galleria artificiale di imbocco lato Agrigento della galleria Cozzo Garlatti, scavata con metodo tradizionale, di lunghezza pari a 183 m (carr.Sx) e 156 m (carr.Dx).

Si è proceduto ad effettuare la verifica delle sezioni resistenti partendo dalle calcolazioni effettuate e dalle sollecitazioni previste nel Progetto Definitivo, seguendo un approccio agli stati limite ultimi e di esercizio, in accordo con le prescrizioni sulle tipologie e relative resistenze dei materiali e secondo le modalità contenute all'interno delle vigenti "Norme Tecniche per le Costruzioni" (D.M. 14/01/2008).

Nel seguito sono illustrate le soluzioni progettuali e le verifiche di dimensionamento delle gallerie artificiali di imbocco realizzate in c.a.. Per le verifiche relative alla galleria naturale si rimanda alla relazione di calcolo dedicata.

Il tratto in artificiale è composto dai seguenti distinti segmenti:

1. concio d'attacco tra galleria naturale e artificiale sotto la dima: è realizzato senza casseri esterni con le stesse fasi, modalità di getto e sistema di impermeabilizzazione e di drenaggio della galleria naturale e la stessa armatura della galleria artificiale;
2. galleria artificiale in c.a. propriamente detta: a piedritti verticali, di spessore tale da contenere le nicchie di ricovero personale;
3. portale di imbocco in c.a.: è sagomato secondo un "becco di flauto"

La galleria artificiale propriamente detta ha una lunghezza di 5.38 m per la carreggiata sx e di 13.27m per la carreggiata dx. sino all'inizio della dima e del concio d'attacco, che si sovrappongono per 5.62 m; il portale è sagomato a "becco di flauto" ed ha lunghezza

di 16 m per entrambe le carreggiate. La galleria artificiale, nella sua totalità, ha una lunghezza pari a 27.07 m per la carreggiata sx e di 34.89 per la carreggiata dx.

La sezione della galleria artificiale della carreggiata sx ha una larghezza pari a 15.30 m, con raggio interno in calotta di 6.45 m e in arco rovescio di 12.00; gli spessori sono di 120 cm per la calotta e 100 cm in arco rovescio.

La sezione della galleria artificiale della carreggiata dx ha una larghezza pari a 16.55 m, con raggio interno in calotta di 7.21 m e in arco rovescio di 13.89; gli spessori sono di 125 cm per la calotta e 120 cm in arco rovescio.

Il rinterro avverrà direttamente sul manto impermeabile.

Per la sistemazione finale, il ritombamento dovrà ricoprire interamente, oltre agli scavi d'approccio, le strutture di sostegno provvisionali.

# 2 DOCUMENTI DI RIFERIMENTO

## NORMATIVA

La presente relazione è stata redatta nel rispetto della Normativa in vigore e di alcune Raccomandazioni.

I principali riferimenti normativi sono i seguenti:

- Ministero delle Infrastrutture - D.M. 14/01/2008: "Nuove norme tecniche per le costruzioni";
- Circ.Min. n°617 del 02/02/2009: "Istruzioni per l'applicazione delle Norme tecniche per le costruzioni di cui al D.M. 14 gennaio 2008";
- Consiglio Superiore dei Lavori Pubblici STC, "Linee guida per la messa in opera del calcestruzzo strutturale e per la valutazione delle caratteristiche meccaniche del calcestruzzo indurito mediante prove non distruttive", febbraio 2008.

- Legge 5.11.1971, n.1086, "Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica".
- CNR 10012: "Istruzioni per la valutazione delle azioni sulle costruzioni".
- CNR 10024: "Analisi di strutture mediante elaboratore. Impostazione e redazione delle relazioni di calcolo".
- UNI EN 197-1: "Cemento - Composizione, specificazioni e criteri di conformità per cementi comuni.
- UNI EN 206-1: "Calcestruzzo - Specificazioni, prestazioni, produzione e conformità".
- UNI 11104/2004: "Calcestruzzo - Specificazione, prestazione, produzione e conformità – Istruzioni complementari per l'applicazione della EN 206-1".

**SOFTWARE UTILIZZATO**

Sap2000. Software di calcolo agli elementi finiti per l'analisi e le verifiche strutturali di opere civili. CSI

# 3 CARATTERISTICHE DEI MATERIALI E DEGLI ELEMENTI UTILIZZATI

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

Per quanto riguarda le caratteristiche dei materiali utilizzate nei calcoli di verifica, si è considerato:

CALCESTRUZZO:

| **D.M. 14/01/2008 e UNI EN 1992-1-1** | | | |
|---|---|---|---|
| CLASSE | **C 25/30** | | classe identificativa del calcestruzzo |
| αcc | **0.85** | | coefficiente riduttivo per le resistenze di lunga durata |
| γc | **1.5** | | coefficiente parziale di sicurezza del calcestruzzo |
| Rck | **30** | Mpa | resistenza cubica caratteristica |
| *in esercizio* | | | |
| fck | 24.90 | MPa | resistenza cilindrica caratteristica |
| fcm | 32.90 | MPa | resistenza cilindrica media |
| **fcd** | **14.11** | MPa | resistenza a compressione di calcolo |
| fctm | -2.56 | MPa | resistenza media a trazione semplice (assiale) |
| fctk0.05 | -1.79 | MPa | frattile 5% della resistenza a trazione semplice |
| fctk0.95 | -3.33 | MPa | frattile 95% della resistenza a trazione semplice |
| fctd | -1.19 | MPa | resistenza a trazione semplice di calcolo |
| fcfm | -3.07 | MPa | resistenza media a trazione per flessione |
| fcfk0.05 | -2.15 | MPa | frattile 5% della resistenza a trazione per flessione |
| fcfk0.95 | -3.99 | MPa | frattile 95% della resistenza a trazione per flessione |
| Ecm | 31447 | MPa | modulo elastico secante tra la tensione nulla e 0.40fcm |
| Ec | 33020 | MPa | modulo elastico tangente |
| v | **0.2** | | coefficiente di Poisson |
| G | 13103 | MPa | modulo di rigidezza al taglio |
| *tensioni massime in esercizio* | | | |
| **0.60fck** | **14.94** | MPa | combinazione caratteristica (rara) |
| **0.45fck** | **11.21** | MPa | combinazione quasi permanente |
| fcfd | -1.43 | MPa | resistenza a trazione per flessione di calcolo |
| **fctm / 1.2** | **-2.13** | MPa | trazione limite per la formazione di fessure |

ACCIAIO PER ARMATURA:

| **D.M. 14/01/2008 e UNI EN 1992-1-1** | | | |
|---|---|---|---|
| **B450C** | | | |
| fy.nom | **450** | MPa | valore nominale della tensione caratteristica di snervamento |
| ft.nom | **540** | MPa | valore nominale della tensione caratteristica di rottura |
| fyk | 450 | MPa | valore caratteristico della tensione di snervamento |
| ftk | 540 | MPa | valore caratteristico della tensione di rottura |
| γs | 1.15 | | coefficiente parziale di sicurezza relativo all'acciaio |
| **fyd** | **391.30** | MPa | resistenza di calcolo |
| Es | **2.06E+05** | MPa | modulo elastico dell'acciaio |

# 4 METODO DI ANALISI

## 4.1 IPOTESI DI CARICO

Per ogni imbocco è analizzata la sezione in corrispondenza della progressiva in cui si ha la massima altezza di ritombamento.

I carichi agenti sulle gallerie artificiali sono i seguenti:

- Peso proprio della struttura valutato automaticamente dal programma di calcolo attribuendo al c.a. un peso specifico di 25 kN/m$^3$;
- Carico verticale del terreno di ricoprimento Pv, considerato nella parte sovrastante la calotta, pari a $\gamma H$, con H costante se il piano campagna è orizzontale, ovvero variabile nel piano trasversale secondo la pendenza prevista per il terreno di riporto, definendo per ogni caso le altezze minime e massime; nel modello è stata tenuta in conto l'aliquota variabile di carico litostatico da imputare al riempimento tra la quota massima della calotta e la quota di imposta del piedritto;
- Spinte orizzontali Ph presenti a lungo termine variabili con la profondità calcolate secondo la formula:

$$Ph = Pv \cdot K_0 = \gamma \cdot z \cdot K_0$$

con

Ko= 1-sen$\varphi$, coefficiente di spinta a riposo per terreni normal consolidati.

Il peso proprio del terreno di ritombamento è stato assunto pari a 20 kN/m$^3$. L'angolo di attrito $\varphi$ è stato posto pari a 35°.

### 4.1.1 Azione sismica

Secondo la nuova classificazione sismica del territorio nazionale introdotta dal DM2008, alle gallerie in esame (Vita utile = 50 anni; Classe d'uso = IV) corrisponde un'accelerazione orizzontale massima pari a: $\mathbf{a_g = 0.107g}$ allo **SLU** (SLC) e $\mathbf{a_g = 0.043g}$ allo **SLE** (SLD).

L'azione sismica agente sulle masse strutturali della galleria artificiale è stata considerata con un approccio di tipo pseudo-statico. I coefficienti sismici utilizzati per l'analisi sono:

$\mathbf{k_h = \beta_m \cdot S \cdot a_g / g}$ coefficiente sismico orizzontale

$\mathbf{k_v = \pm 0.5 \cdot k_h}$ coefficiente sismico verticale

con:

$\mathbf{\beta_m = 1}$ coefficiente di riduzione dell'accelerazione massima attesa in sito – Tab. 7.11.II (per strutture che non sono in grado di subire spostamenti relativi rispetto al terreno $\beta_m$=1)

$\mathbf{S = S_S \cdot S_T = 1.50}$

dove:

$\mathbf{S_S = 1.50}$ coefficiente di amplificazione stratigrafica - Tab. 3.2.V

$\mathbf{S_T = 1}$ coefficiente di amplificazione topografica - Tab. 3.2.VI

In fase sismica viene considerato un incremento di spinta del terreno su un lato dell'artificiale e un decremento di spinta sull'altro lato. L'incremento di spinta delle terre in fase sismica, tenuto conto che la galleria tende a non subire spostamenti laterali tali da sviluppare nel terreno uno stato di spinta attiva, è data dalla seguente espressione:

$\mathbf{\Delta P_E = k_h \cdot \tfrac{1}{2} \cdot \gamma \cdot H_G^2}$

con:

$\mathbf{H_G}$ altezza della galleria artificiale

Tale approccio tende a considerare l'accelerazione data dal sisma sulla massa di terreno gravante su ciascun lato della galleria: in caso di spinta a riposo si considera, dunque, un cuneo di terreno con angolo pari a 45°.

La spinta ricavata viene applicata sul modello matematico come carico uniformemente distribuito su tutta l'altezza della galleria di intensità pari a:

$\mathbf{\Delta p_E = \Delta P_E / H_G}$

C'è da considerare, inoltre, la forza orizzontale generata dall'accelerazione sismica applicata sulla massa stessa della galleria: tale contributo equivale a:

$\Delta P_{E\,riv} = k_h \cdot \gamma_{cls} \cdot A_G$

con:

$A_G$ area della sezione in c.a. della galleria artificiale

Tale spinta viene applicata, anche in questo caso, come carico uniformemente distribuito su tutta l'altezza della galleria di intensità pari a:

$\Delta p_{E\,riv} = \Delta P_{E\,riv} / H_G$

Per quanto riguarda l'effetto delle forze dinamiche verticali legate alla massa di terreno di copertura della galleria, se ne è tenuto conto attraverso la relazione:

$\Delta P_v = k_v \cdot \gamma \cdot H$

con H variabile tra le quote di imposta dei piedritti.

Tali sistemi di forze d'inerzia devono essere considerati agenti verso l'alto o verso il basso, in modo da produrre gli effetti più sfavorevoli.

Le forze dinamiche verticali legate alla massa stessa della galleria si possono considerare attraverso la modifica del parametro **Self Weight Multiplier** direttamente all'interno del software di calcolo: in particolare si imposta tale parametro pari a:

$1 + k_v$ e $1 - k_v$ rispettivamente per sisma verticale diretto verso il basso e verso l'alto.

## 4.2 COMBINAZIONI DI CARICO

La struttura della galleria è stata verificata per le condizioni di carico riportate nel DM 2008 sia nei riguardi degli stati limite ultimi che nei riguardi degli stati limite di esercizio, mediante il metodo dei coefficienti parziali di sicurezza sulle azioni e sulle resistenze (§ 6.2.3).

Le combinazioni di calcolo adottate sono schematizzate nella seguente tabella:

| | **AZIONI γF** | | | | | | | | | | **PROPRIETA' TERRENO γM** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **PERMANENTI** | | | | **VARIABILI** | | | | | | | |
| | **Peso proprio** | **Peso rinterro** | **Spint a terreno sx** | **Spint a terreno dx** | **Sisma orizzontale struttura** | **Sisma verticale alto struttura** | **Sisma verticale basso struttura** | **Sisma orizzontale terreno** | **Sisma verticale alto terreno** | **Sisma verticale basso terreno** | **tan φ'** | **c'** |
| **1. SLE (no sisma)** | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| **2. SLE (sisma orizzontale + verticale basso)** | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 |
| **3. SLE (sisma orizzontale + verticale alto)** | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **4. SLU (A1+M1) (no sisma)** | 1.3 | 1.3 | 1.3 | 1.3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| **5. SLU (A2+M2) (sisma orizzontale +** | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1.25 | 1.25 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **verticale basso)** | | | | | | | | | | | | |
| **6. SLU (A2+M2)** **(sisma orizzontale + verticale alto)** | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1.25 | 1.25 |

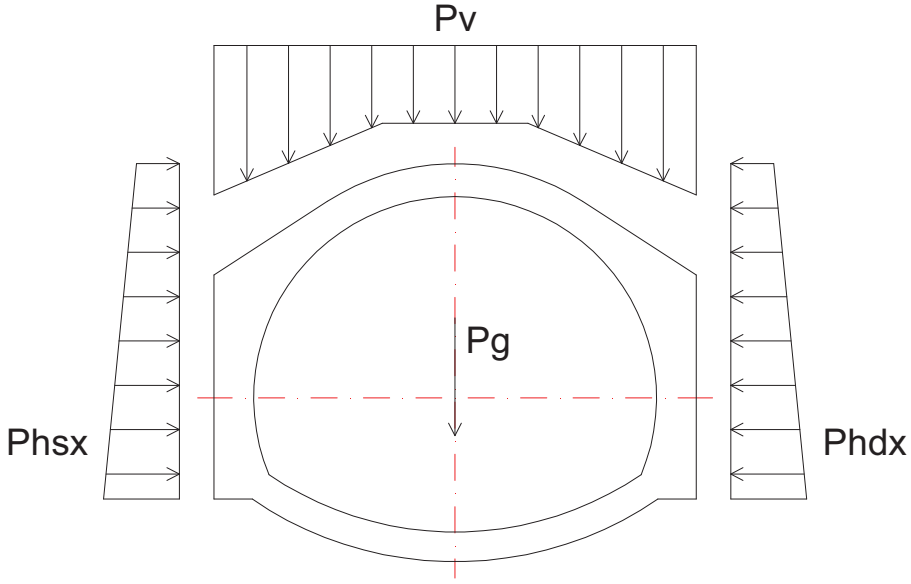
Le combinazioni sono rappresentative delle seguenti situazioni di carico:

1. La combinazione 1 si riferisce alla situazione di carichi statici allo stato limite di esercizio;
2. Le combinazioni 2 e 3 si riferiscono alla situazione di presenza del sisma in direzione orizzontale composto rispettivamente col sisma verticale in direzione basso e alto, allo stato limite di esercizio;
3. La combinazione 4 si riferisce alla situazione di carichi statici allo stato limite ultimo (A1 + M1);
4. Le combinazioni 5 e 6 si riferiscono alla situazione di presenza del sisma in direzione orizzontale composto rispettivamente col sisma verticale in direzione basso e alto, allo stato limite ultimo (A2 + M2).

Nella combinazione 1 sono stati inseriti i carichi verticali derivati dal terreno di copertura, le spinte statiche generate su entrambi i lati della galleria in condizione di spinta a riposo e il peso proprio della galleria stessa.

Nella combinazione 4 si sarebbero dovute inserire le stesse azioni presenti nella combinazione 1 calcolate mediante l'incremento dei pesi (terreno e galleria) attraverso il coefficiente moltiplicativo $\gamma F = 1.3$; ); in questo caso si è preferito ricorrere all'incremento delle caratteristiche di sollecitazione ricavate dalla combinazione 1 mediante il coefficiente moltiplicativo $\gamma F = 1.3$, piuttosto che modellare una nuova condizione di carico nel modello di calcolo.

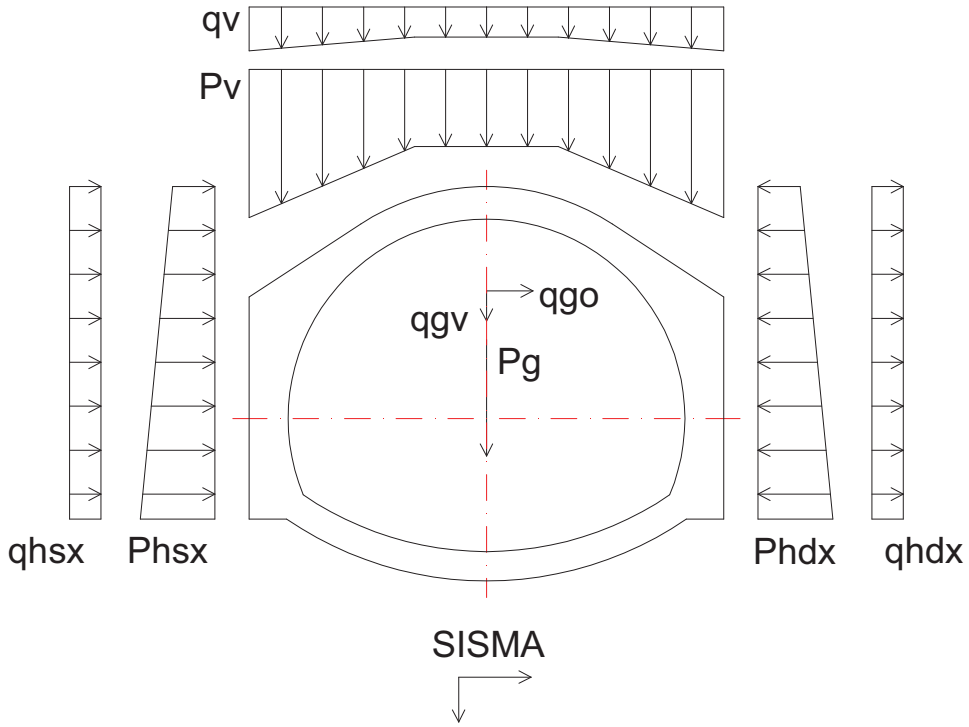
Schema di carico delle combinazioni 1 e 4


Pv
Pg
Phsx
Phdx

Nella combinazione 2, oltre ai carichi presenti nella combinazione 1, sono state considerate le azioni generate dal sisma, in direzione orizzontale e verticale bassa, attraverso l'accelerazione applicata alle masse di terreno di copertura, dei cunei destro e sinistro e della galleria stessa.

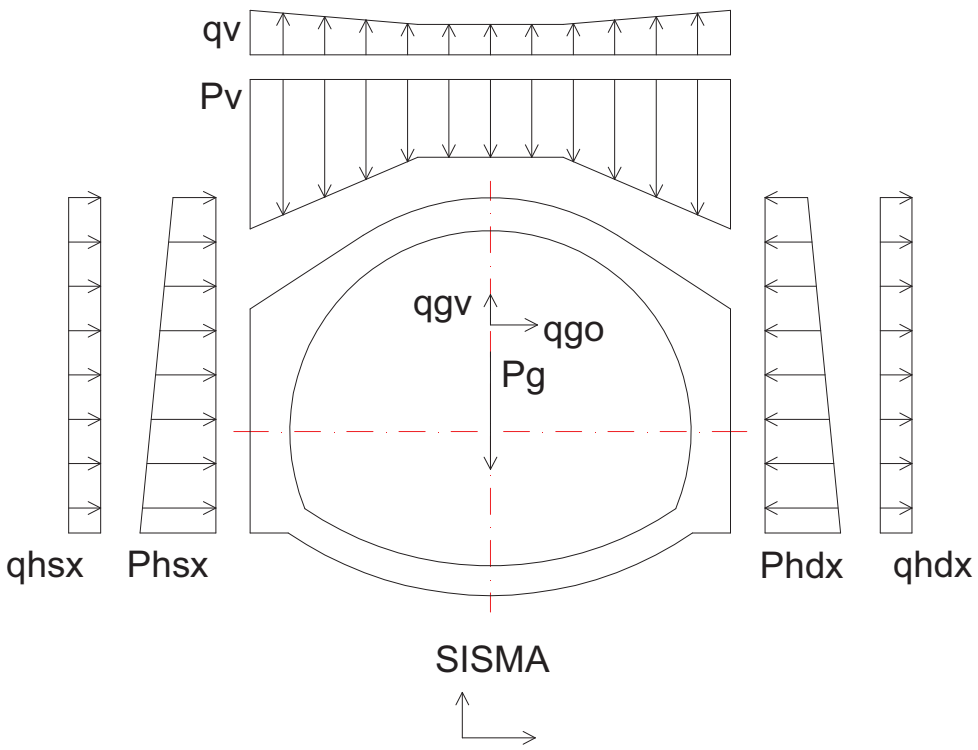
Per la combinazione 5 è stato considerato lo stesso schema di carico della combinazione 2 usando dei valori diversi per le azioni: i carichi trasmessi dal terreno sono stati calcolati riducendo le proprietà (tanφ' e c') attraverso il coefficiente γM = 1.25.

Schema di carico delle combinazioni 2 e 5




Le combinazioni 3 e 6 rispecchiano rispettivamente le precedenti combinazioni 2 e 5 con l'unica differenza che il sisma verticale è diretto verso l'alto.

Schema di carico delle combinazioni 3 e 6

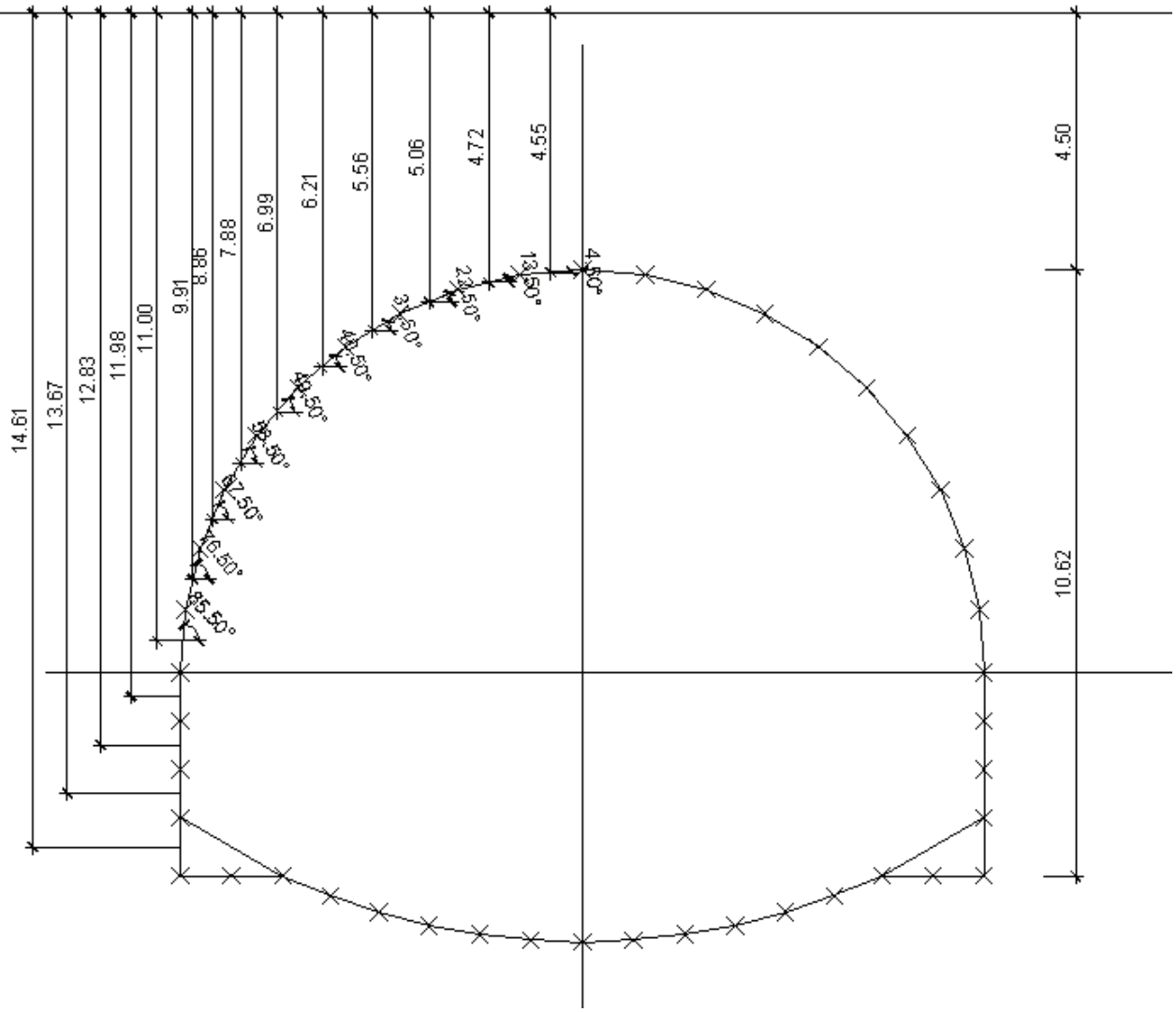



## 4.3 MODELLO DI CALCOLO

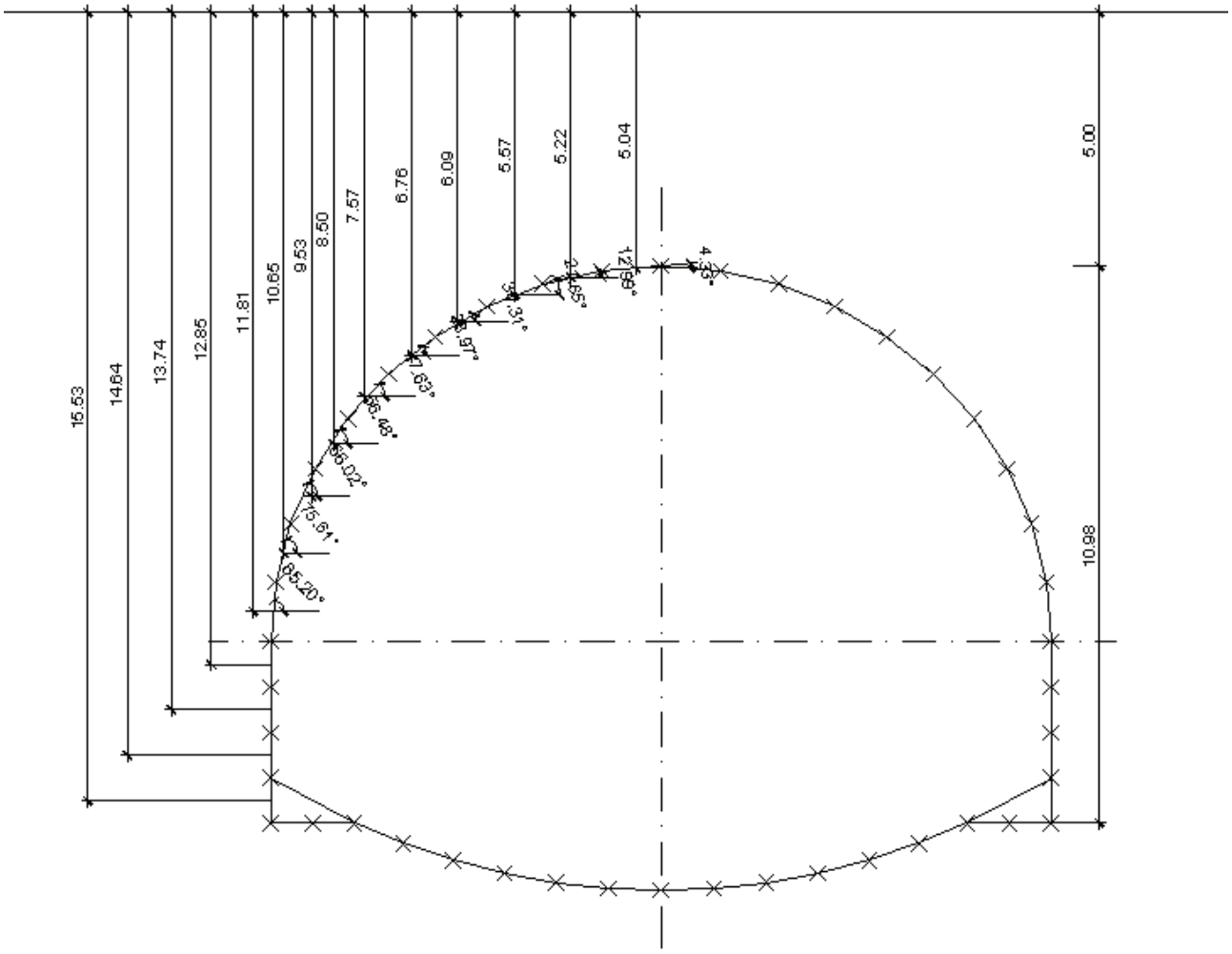
Per il calcolo delle azioni interne si adotta il metodo delle reazioni iperstatiche attraverso una modellazione numerica ad elementi finiti monodimensionali. Il programma di calcolo utilizzato è SAP2000 ver. 12.

Si considera una sezione di galleria di lunghezza unitaria (1m) definendo per la struttura un modello costituito da conci monodimensionali (elementi frame). Gli spessori delle diverse aste sono variabili linearmente a seconda dell'elemento strutturale considerato (calotta, piedritto, arco rovescio).

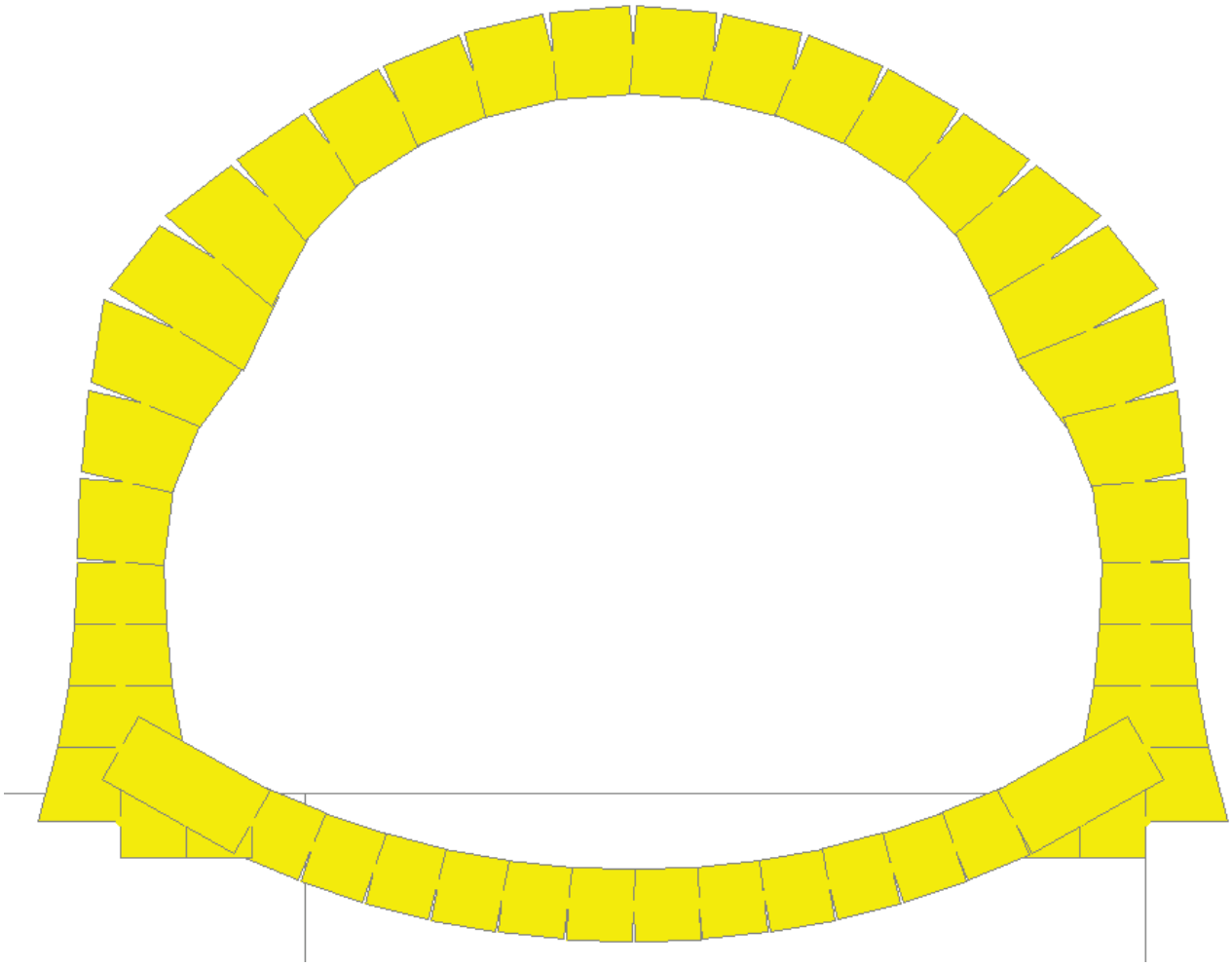
Schema di calcolo della galleria artificiale carreggiata sx



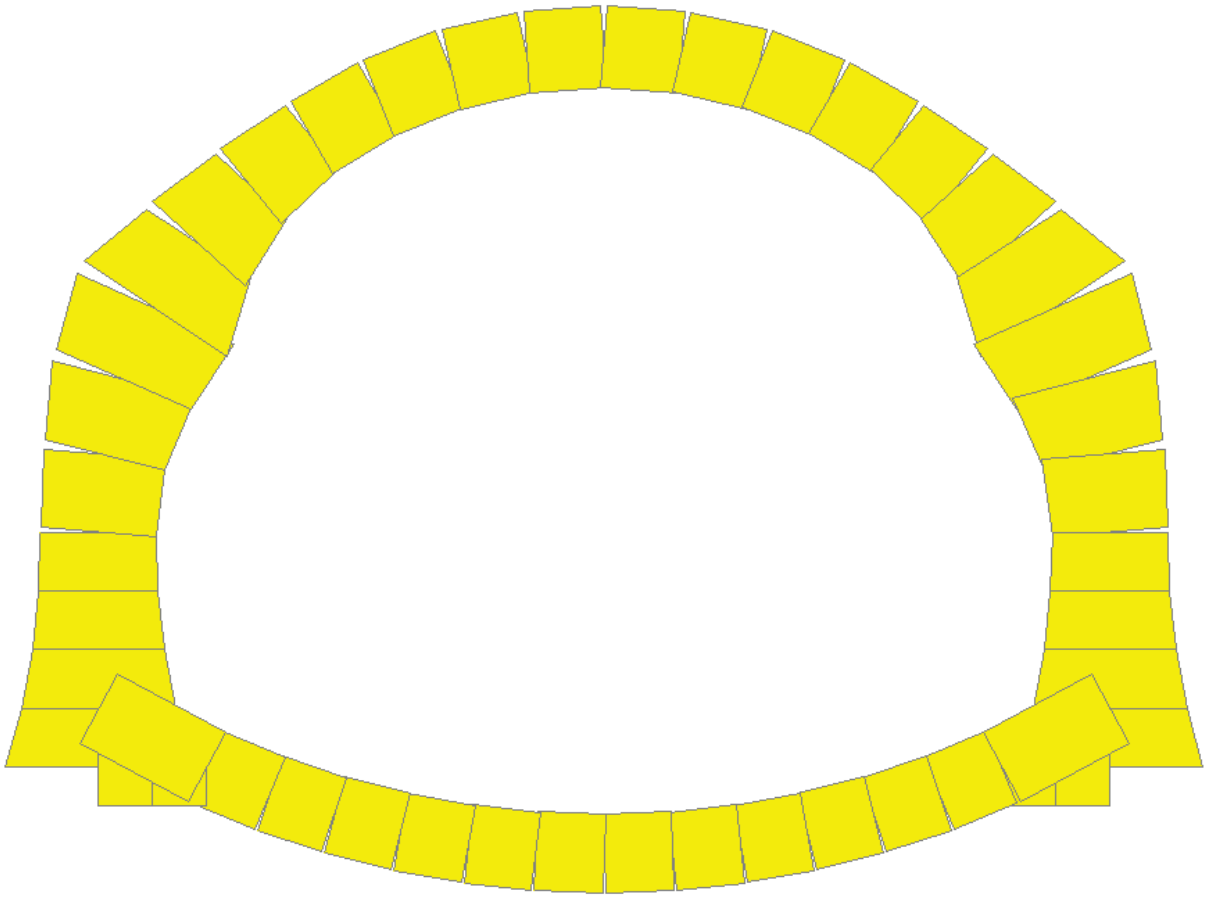
Schema di calcolo della galleria artificiale carreggiata dx (galleria allargata)



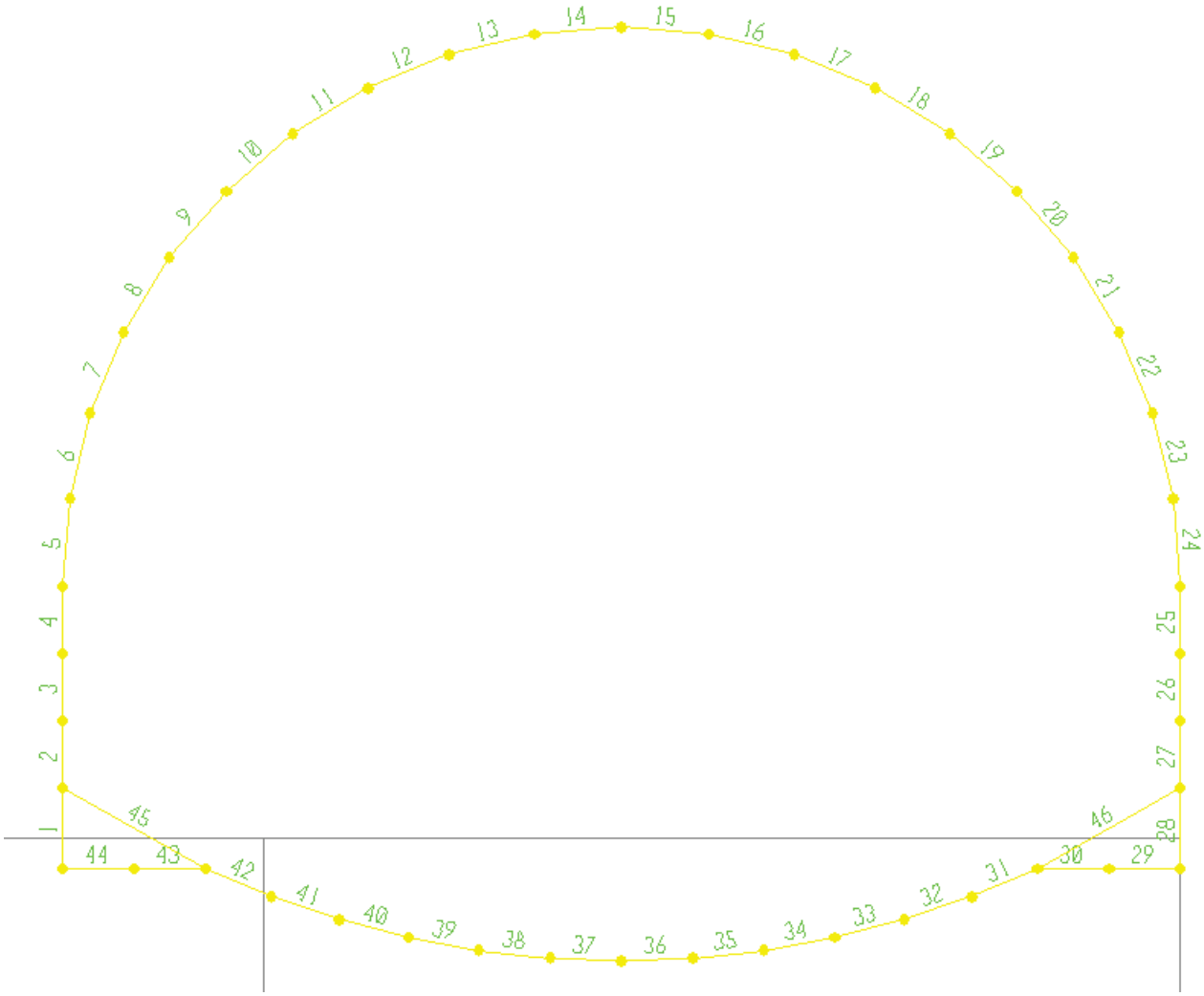
Spessori delle aste nel modello di calcolo (carreggiata sx)



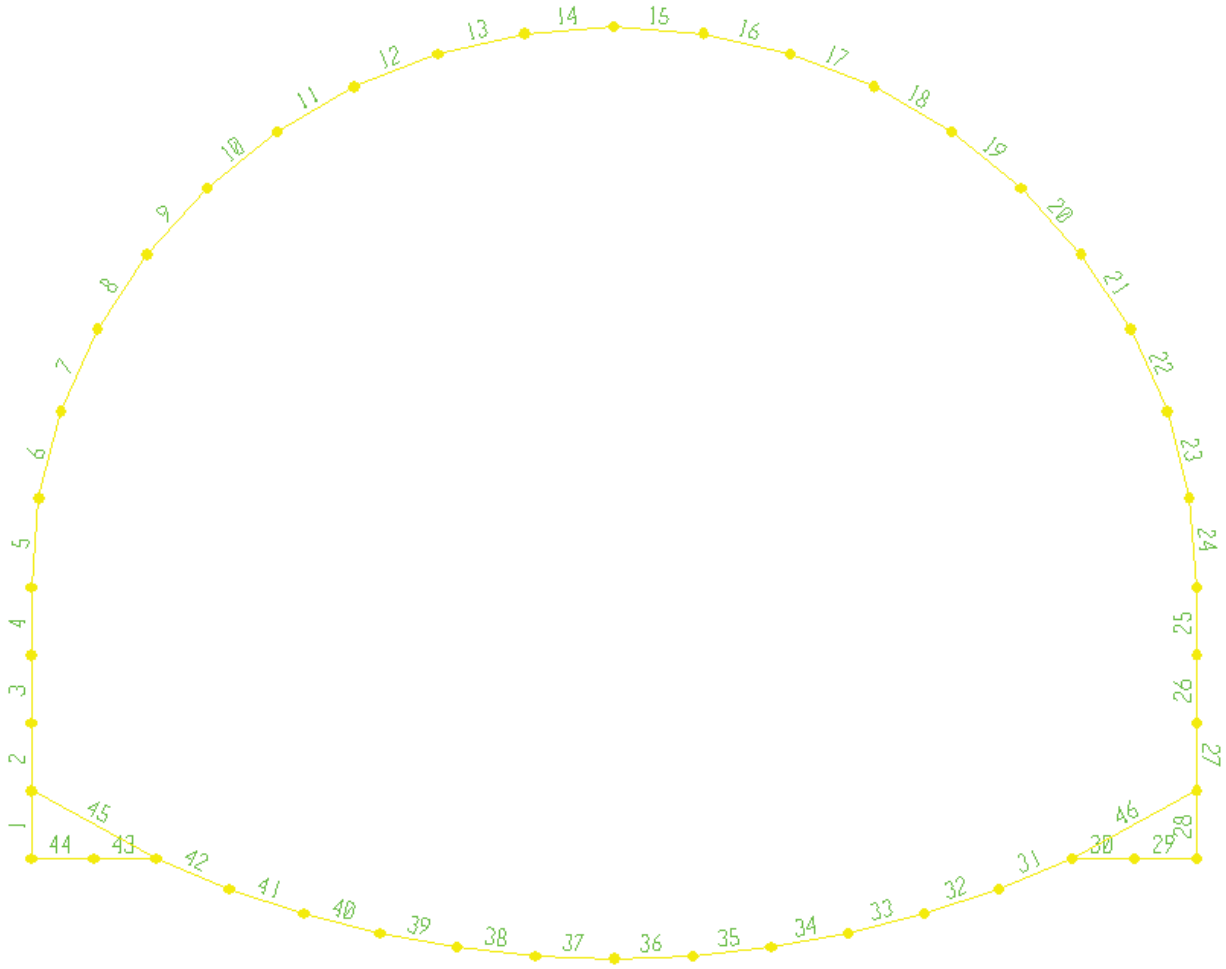
Spessori delle aste nel modello di calcolo (carreggiata dx – galleria allargata)



Numerazione aste nel modello di calcolo (carreggiata sx)



Numerazione aste nel modello di calcolo (carreggiata dx – galleria allargata)




In corrispondenza dei frame vengono posti degli elementi elastici radiali (molle elastiche) uniformemente distribuiti, che hanno lo scopo di simulare l'interazione tra il terreno e la struttura e che inducono su quest'ultima, solo se compresse, una reazione pari alla pressione di contatto terreno-struttura.

La rigidezza di tali supporti è calcolata secondo la formulazione seguente (Formula di Galerkin):

$$\mathbf{K = E / (R_{eq} \cdot (1+\nu))}$$

essendo:

**E** modulo di deformabilità del terreno

**ν** coefficiente di Poisson del terreno

$\mathbf{R_{eq}}$ raggio di curvatura equivalente.

# 5 CARATTERIZZAZIONE GEOMECCANICA DI CALCOLO

## 5.1 PREMESSA

La presente relazione è relativa allo studio geotecnico a supporto del progetto esecutivo di *ammodernamento ed adeguamento alla Cat. B D.M. 5/11/2001 della S.S. 640 Agrigento – Caltanissetta tratto dal Km 44+1000 allo svincolo con l'autostrada A19*, ed è redatta in ottemperanza al D.M. 14/01/2008 "*Approvazione delle nuove norme tecniche per le costruzioni*" ed alla Circolare 02/02/2009 n. 617 C.S.LL.PP. "*Istruzioni per l'applicazione delle Nuove norme tecniche per le costruzioni di cui al Decreto Ministeriale 14/01/2008*" nel rispetto dei contenuti previsti dal punto 4.9 dell'Allegato NG15 - A.N.A.S. "Capitolato d'Oneri – Prescrizioni per la redazione del progetto esecutivo"

Lo studio è stato condotto sulla scorta del progetto definitivo nonché dei risultati delle indagini dirette e indirette effettuate nella campagna integrativa svolta nel 2010.

La presente relazione è finalizzata alla definizione delle unità geotecniche presenti caratterizzate sia per tipologia che per spessori e successione stratigrafica, ed all'assegnazione dei relativi parametri.

Ciò è stato eseguito a partire dall'esame delle unità geologico-tecniche descritte nella relazione geologica, con l'ausilio ed elaborazione delle risultanze dei sondaggi, delle prove geotecniche in sito ed in laboratorio. Tale trattazione prevede la descrizione di tutte le indagini in sito ed in laboratorio effettuate nel corso dei tre livelli di progettazione.

In coerenza a quanto riportato negli studi specialistici del Progetto esecutivo, nella presente relazione si farà riferimento alla suddivisione in tratti e sottotratti così come di seguito riportato:

| Tratto | Sottotratto | Denominazione | Progressive |
|---|---|---|---|
| 1 | A | Grottarossa | 0+000 ÷ 4+500 |
| 1 | B | Grotta d'Acqua - Favarella | 4+500 ÷ 9+500 |
| 1 | C | Seconda variante | 9+500 ÷ 12+140 |
| 2 | | Caltanissetta | 12+140 ÷ 17+640 |
| 3 | A | Busita | 17+640 ÷ 19+500 |
| 3 | B | Abbazia - Arenella | 19+500 ÷ 26+600 |
| 3 | C | Imera | 26+600 – 28+080 |

In particolare, questa relazione è focalizzata sul tratto n. 3B "Abbazia - Arenella" all'interno del quale è presente la Galleria naturale Cozzo Garlatti di lunghezza pari a 183 m (Carreggiata SX) e 156 m (Carreggiata DX).

## 5.2 DESCRIZIONE DELLE INDAGINI IN SITO E IN LABORATORIO

Si riporta di seguito la sintesi delle indagini svolte sia durante le precedenti fasi progettuali sia negli ultimi mesi ad integrazione di quanto sinora svolto (indagini integrative 2010 di fase I e di fase II).

### 5.2.1 Indagini condotte nelle precedenti fasi progettuali

**Campagna di indagine ANAS eseguita nel 1988 (progetto preliminare).**

In fase di redazione del progetto preliminare del raddoppio di carreggiata dell'intera S.S. 640 è stata eseguita una campagna di indagine direttamente a cura dell'ANAS, sviluppatasi lungo tutto il tracciato esistente della S.S. 640 da Agrigento a Caltanissetta.

Sono stati effettuati n. 46 sondaggi a carotaggio continuo; nessuno dei sondaggi effettati in questa fase ricade all'interno della tratta cui fa riferimento la presente relazione (Tratto n.3B "Abbazia - Arenella").

***Campagna del Progetto Definitivo***

Le indagini e prove geotecniche sono state programmate e suddivise in due distinte fasi.

**Fase 1**, eseguita nel periodo Febbraio ÷ Aprile 2006, finalizzata a ricostruire il modello geologico generale del territorio;

**Fase 2**, eseguita nel mese di Maggio 2006, ad infittimento delle indagini di prima fase, finalizzata alla definizione del modello geologico-tecnico del sottosuolo per il corretto dimensionamento di tutte le opere d'arte e manufatti interagenti con il terreno (viadotti, gallerie, rilevati opere di corredo, ecc.).

Complessivamente le indagini eseguite possono così riassumersi:

*Sondaggi meccanici:*

Perforazioni a rotazione con carotaggio continuo e in parte a distruzione di nucleo, finalizzate alla determinazione dei profili stratigrafici e delle caratteristiche meccaniche dei vari livelli litologici. Le carote estratte nel corso delle perforazioni sono state raccolte, catalogate e fotografate nelle apposite cassette, per eseguire la ricostruzione delle stratigrafie.

Per ogni sondaggio sono stati prelevati in media da due a quattro campioni indisturbati, in relazione alla litologia riscontrata ed all'opera d'arte da realizzare, per condurre le analisi a prove geotecniche di laboratorio.

In particolare, per il Tratto n.3B i sondaggi eseguiti ed i campioni prelevati sono riassunti nella seguente tabella.

Nessun sondaggio indaga direttamente la zona attraversata dalla Galleria Cozzo Garlatti.

| Tratta/Sottotratta denominazione progressiva | N° | Sondaggio | Profondità (m) | Campioni | | |
|---|---|---|---|---|---|---|
| | | | | N° | Denominazione | Profondità (m) |
| 3/B Abbazia - Arenella Progr. 19.500 ÷ 26.600 | 49 | S38 | 25,00 | 1 | S38C1 | 9,00-9,50 |
| | 50 | S56 | 30,00 | 2 | S38C2 | 18,00-18,50 |
| | | | | 1 | S56C1 | 8,00-8,50 |
| | | | | 2 | S56C2 | 15,80-16,30 |
| | | | | 3 | S56C3 | 26,30-26,80 |
| | 51 | S39 | 30,00 | 1 | S39C1 | 3,60-4,10 |
| | | | | 2 | S39C2 | 12,00-12,50 |
| | | | | 3 | S39C3 | 25,00-25,50 |
| | 52 | S40 | 30,00 | 1 | S40C1 | 8,80-9,30 |
| | | | | 2 | S40C2 | 14,80-15,30 |
| | | | | 3 | S40C3 | 25,00-25,50 |
| | 53 | S41 | 30,00 | 1 | S41C1 | 8,00-8,50 |
| | | | | 2 | S41C2 | 18,00-18,50 |
| | | | | 3 | S41C3 | 25,50-26,00 |
| | 54 | S57 | 25,00 | 1 | S57C1 | 3,00-3,50 |
| | | | | 2 | S57C2 | 10,00-10,50 |
| | 55 | S42 | 25,00 | 1 | S42C1 | 4,00-4,50 |
| | | | | 2 | S42C2 | 12,00-12,50 |
| | | | | 3 | S42C3 | 25,00-25,50 |
| | 56 | S58 | 30,00 | 1 | S58C1 | 8,10-8,60 |
| | | | | 2 | S58C2 | 16,00-16,50 |
| | | | | 3 | S58C3 | 26,00-26,50 |
| | 57 | S43 | 30,00 | 1 | S43C1 | 4,50-5,00 |
| | | | | 2 | S43C2 | 12,00-12,50 |
| | | | | 3 | S43C3 | 25,00-25,50 |

### 5.2.2 Indagini integrative del progetto esecutivo - fase 1 del 2010

La campagna integrativa di indagini è stata condotta tra luglio e settembre 2010, al fine di approfondire la conoscenza geologica e geotecnica, coerentemente con il nuovo quadro normativo di riferimento (N.T.C. 2008).

Le indagini integrative sono state costituite da:

Sondaggi meccanici

Per il Tratto n. 3B "Abbazia - Arenella" sono stati eseguiti n. 3 perforazioni a carotaggio continuo condotti con profondità comprese tra 25 e 30 m da p.c., localizzati opportunamente

lungo il tracciato in progetto. Le profondità sono state scelte in funzione dell'opera d'arte interessata. I campioni prelevati durante l'esecuzione dei sondaggi a carotaggio continuo, sono stati sottoposti alle seguenti prove di laboratorio, finalizzate alla definizione delle caratteristiche fisiche e meccaniche e chimiche dei litotipi riscontrati, in numero e tipologia stabiliti in relazione alla natura e qualità dei campioni prelevati:

- Classificazione della terra mediante: Analisi granulometrica e classificazione secondo la CNR-UNI 10006;
- Determinazione dei Limiti di Atterberg: consistenza liquido, plastico ed indice plastico;
- Peso specifico dei grani, peso specifico secco del contenuto in acqua ;
- Prove di taglio diretto
- Prove triassiali
- Prove edometriche ed determinazione del coefficiente Cv

Si è provveduto, inoltre, su alcuni campioni prelevati durante i sondaggi a diverse altezze, ad effettuare apposite determinazioni chimiche atte a verificare se i terreni risultano idonei al trattamento di bonifica a calce:

- Contenuto di Sostanze Organiche;
- Determinazione del valore di Blu di metilene VB;
- Contenuto di solfati, solfuri e nitrati;

Nelle seguenti tabelle è riportato il quadro delle indagini e prove in situ eseguite, per la tratta oggetto di relazione.

| Tratta/Sottotratta denominazione progressiva | N° | Sondaggio | Tipologia | Note | Profondità (m) | Campioni | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | N° | Denominazione | Profondità (m) |
| 3/B Abbazia - Arenella Progr. 19.500 ÷ 26.600 | 18 | S18 | - | - | 30,00 | 1 | C1 | 5,50-6,00 |
| | | | | | | 2 | C2 | 11,50-12,00 |
| | | | | | | 3 | C3 | 17,50-18,00 |
| | | | | | | 4 | C4 | 23,50-24,00 |
| | | | | | | 5 | C5 | 29,50-30,00 |
| | 19 | S19 | Down Hole | - | 30,00 | 1 | C1 | 5,50-6,00 |
| | | | | | | 2 | C2 | 12,00-12,30 |
| | | | | | | 3 | C3 | 17,50-18,00 |
| | | | | | | 4 | C4 | 23,50-24,00 |
| | | | | | | 5 | C5 | 29,50-30,00 |
| | 20 | S20 | - | - | 25,00 | 1 | C1 | 5,50-6,00 |
| | | | | | | 2 | C2 | 12,50-12,80 |
| | | | | | | 3 | C3 | 17,50-18,00 |
| | | | | | | 4 | C4 | 18,00-18,50 |
| | | | | | | 5 | C5 | 25,00-25,50 |

Prospezioni geofisiche

- Sismica in foro: prova tipo down-hole effettuate nel sondaggio S19 finalizzato alla determinazione del parametro VS30 per la caratterizzazione sismica dei litotipi di imposta delle fondazioni ai sensi del DM 14/01/2008.

### 5.2.3 Indagini integrative di fase 2 del 2010

Ad integrazione ed approfondimento delle indagini svolte a supporto del progetto esecutivo, tra il mese di ottobre ed inizio dicembre 2010, è stato attuato un Piano d'indagini dirette ed indirette, prodotto nell'ottobre 2010 ed attuato.

Lungo il tracciato della Galleria naturale Cozzo Garlatti non sono presenti indagini integrative di Fase II.

# DETERMINAZIONE DELLE UNITÀ GEOTECNICHE E ATTRIBUZIONE DEI PARAMETRI CARATTERISTICI

## TRATTO 3B –Abbazia - Arenella

Il presente tratto si sviluppa dalla progressiva 19+500 alla progressiva 26+600

| Tratto | Sottotratto | Denominazione | Progressive |
|---|---|---|---|
| 3 | B | Abbazia - Arenella | 19+500 ÷ 26+600 |

Le opere d'arte previste all'interno di tale tratto sono riportate nella tabella che segue:

| Denominazione | Progressive | |
|---|---|---|
| | Inizio | Fine |
| Viadotto "Santuzza I" | 19+800 | 19+960 |
| Viadotto "Santuzza II" | 20+340 | 20+765 |
| Viadotto "Santuzza III" | 20+820 | 21+040 |
| Viadotto "Arenella I" | 22+655 | 22+830 |
| Viadotto "Arenella II" | 24+550 | 24+680 |
| Viadotto "Arenella III" | 25+180 | 25+775 |
| Galleria naturale "Cozzo Garlatti" | 25+830 | 26+010 |
| Svincolo "S.S. 626" | 26+220 | 26+460 |

Nel seguito si entrerà nello specifico della caratterizzazione geotecnica-geomeccanica del tratto riguardante la Galleria naturale Cozzo Garlatti dalla progressiva 25+830 alla progressiva 26+010.

Come riportato nello studio geologico allegato al progetto esecutivo, il sottotratto è interessato dalle seguenti formazioni:

1. dalla prog. 25+830 alla prog. 26+070 affiora la facies sabbiosa del tortoniano, costituita da sabbie di colore giallastro, talora ben classate, e con una composizione quasi esclusivamente quarzosa, e delle arenarie (TRVA), di colore giallastro, in banconi separati da interstrati marnoso - sabbiosi poco compatti; a luoghi sono anche presenti affioramenti calciruditici e calcarenitici a stratificazione incrociata relazionabile a correnti trattive che testimoniano un ambiente di deposizione fluvio – deltizio;

In prossimità della Galleria Cozzo Garlatti si interseca la formazione Terravecchia, che nell'area è interessata da una importante piega anticlinale il cui lato occidentale ricade lungo il tracciato di progetto insiste in due differenti litologie e modelli geologico-tecnici.

La tipologia costruttiva della galleria prevede interamente l'attraversamento di materiali litoidi dati dalla formazione delle Sabbie, arenarie, calciruditi e calcareniti della Terravecchia del Tortoniano.

Si tratta di arenarie conglomeratiche e conglomerati con ciottoli quarzarenitici e in minore misura granitoidi. Comune è la stratificazione incrociata prodotta da correnti trattive e frequenti sono le interstratificazioni di livelli decimetrici di argille marnoso – sabbiose. E' probabile che la presenza di queste interstratificazioni abbia provocato dei fenomeni superficiali di dissesto con movimenti di scivolamento proprio a contatto di strati meno coerenti in occasione dei maggiori eventi pluviometrici (vedi carta geomorfologica). Anche la stessa giacitura degli strati, con una pendenza che va dai 40-45° a franapoggio può favorire l'innesco di tali fenomeni franosi superficiali. Ad Ovest del rilievo in esame, sembrerebbe decorrere una struttura distensiva che interessa la formazione argillosa.

In sintesi la formazione che interessa direttamente la galleria è la seguente:

| | | | |
|---|---|---|---|
| Galleria naturale "Cozzo Garlatti" | 25+830 | 26+010 | Sabbie, arenarie, calciruditi e calcareniti (**TRVA**) |

L'ammasso roccioso è costituito da calcareniti, sabbie e conglomerati in strati, spessi mediamente da 20 a 60 cm, fino ad un massimo di 170 cm ca., separati da partimenti prevalentemente argilloso - limoso - sabbiosi. La facies sabbiosa, appartenente alla

Formazione "Terravecchia", è ascrivibile al Tortoniano ed è costituita da sabbie di colore giallastro, talora ben classate, e con una composizione quasi esclusivamente quarzosa, e dalle arenarie (TRVA), di colore giallastro, in banconi separati da interstrati marnoso - sabbiosi poco compatti; a luoghi sono anche presenti affioramenti calciruditici e calcarenitici a stratificazione incrociata relazionabile a correnti trattive che testimoniano un ambiente di deposizione fluvio – deltizio.

I livelli prettamente calcarenitici, spesso duri e compatti, si alternano più o meno ritmicamente alle sabbie ed ai conglomerati, ma presentano spessori più esigui delle componenti incoerenti.

A grande scala, il comportamento dell'ammasso è da considerare al passaggio tra una roccia debole (weak rock) ed un terreno.

## 5.3 MODELLAZIONE GEOTECNICA

I campioni prelevati durante l'esecuzione dei sondaggi a carotaggio continuo, sono stati sottoposti alle seguenti prove di laboratorio, finalizzate alla definizione delle caratteristiche fisiche e meccaniche e chimiche dei litotipi riscontrati, in numero e tipologia stabiliti in relazione alla natura e qualità dei campioni prelevati:

- Classificazione della terra mediante: Analisi granulometrica e classificazione secondo la CNR-UNI 10006;
- Determinazione dei Limiti di Atterberg: consistenza liquido, plastico ed indice plastico;
- Peso specifico dei grani, peso specifico secco del contenuto in acqua ;
- Prove di taglio diretto
- Prove triassiali
- Prove edometriche ed determinazione del coefficiente Cv

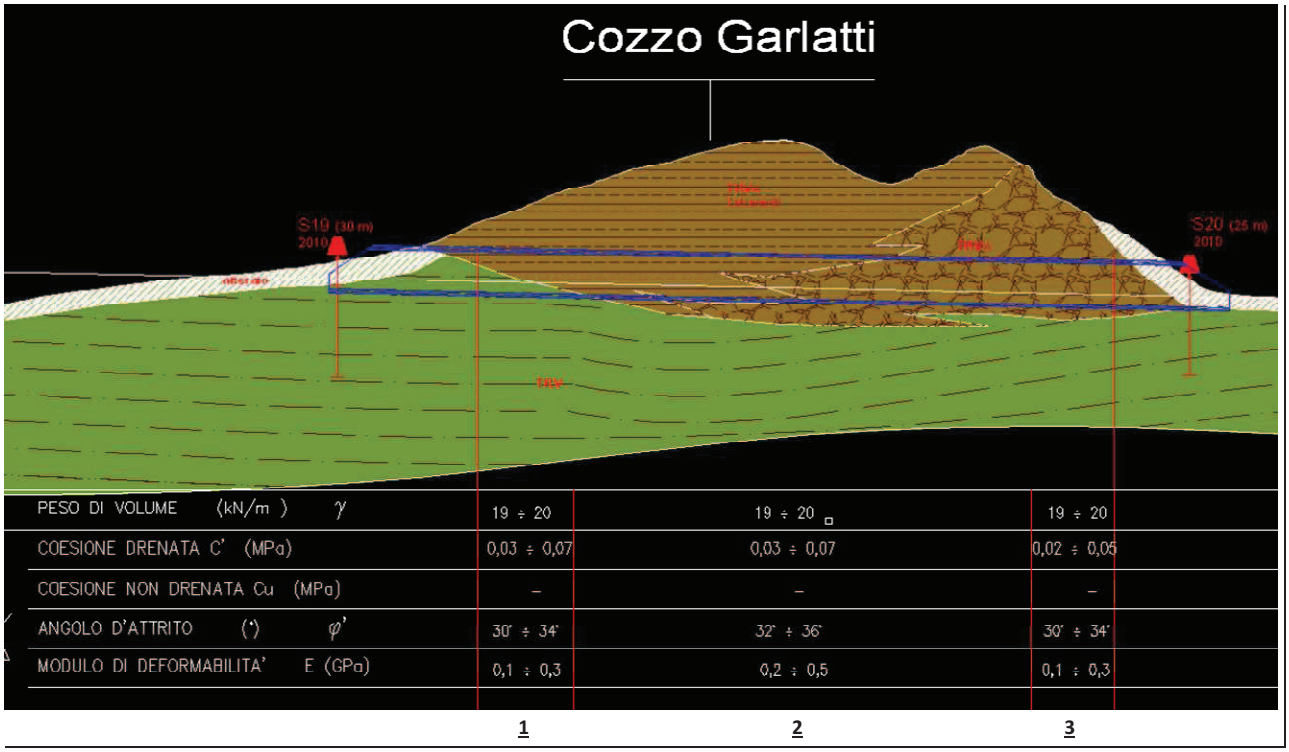
Interpretando i risultati delle prove di laboratorio effettuate sui campioni prelevati dai sondaggi di I fase sono stati ricavati i seguenti risultati in termini di caratteristiche fisiche, geomeccaniche, di resistenza e deformabilità.

## Campagna di I Fase

| Campione | | | | $W_n$ % | $\gamma_s$ kg/m³ | $\gamma$ kg/m³ | $\gamma_d$ kg/m³ | e | n | s % | Ghiaia % | Sabbia % | Limo % | Argilla % | $W_l$ % | $W_p$ % | * $I_p$ % | * $I_c$ | *$I_l$ | A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sigla | Prot. N° | Profondità [m] | Colore | | | | | | | | | | | | | | | | | |
| S19 - C1 | CBA 1437 | 5,50 - 6,00 | Light Olive brown 5/4 | 22.9 | 2691 | 2008 | 1634 | 0.647 | 0.393 | 95 | 0.00 | 8.32 | 43.18 | 48.5 | 68 | 21 | 47 | 1.0 | 0.04 | 0.97 |
| S19 - C2 | CBA 1437 | 12,00 - 12,30 | Dark Greenish Grey 5B 4/1 | 15.5 | 2724 | 1936 | 1677 | 0.625 | 0.384 | 68 | 0.37 | 5.80 | 60.92 | 32.91 | 52 | 31 | 21 | 1.7 | -0.74 | 0.64 |
| S20 - C1 | CBA 1443 | 5,50 - 6,00 | Light Olive Broen | 10.9 | 2651 | 1997 | 1800 | 0.472 | 0.321 | 61 | 5.51 | 75.93 | 17.30 | 1.25 | N.P. | N.P. | N.P. | - | - | - |
| S20 - C2 | CBA 1443 | 12,50 - 12,80 | Dark Grey 5Y 4/1 | 15.8 | 2652 | 1965 | 1696 | 0.564 | 0.360 | 75 | 11.56 | 64.79 | 14.91 | 8.75 | 29 | 11 | 18 | 0.7 | 0.27 | 2.06 |
| S20 - C3 | CBA 1443 | 18,00 - 18,50 | Dark bluish Gray 5B 4/1 | 9.1 | 2656 | 2052 | 1881 | 0.412 | 0 | 59 | 5.57 | 82.76 | 10.18 | 1.49 | N.P. | N.P. | N.P. | - | - | - |
| S20 - C4 | CBA 1443 | 25,00 - 25,50 | Dark Grey 5Y 4/1 | 13.9 | 2697 | 2074 | 1820 | 0.482 | 0.325 | 78 | 0.19 | 36.45 | 39.85 | 23.51 | 34 | 19 | 15 | 1.3 | -0.34 | 0.64 |

| Campione | | | | Prova di taglio diretto C.D. | | | | Prova Triassiale UU | | ELL | Prova di compressione triassiale CTU | | | Edometria | | | | ISP | ISS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sigla | Prot. N° | Profondità [m] | Colore | Pressione triassiale kPa | Stato di taglio kPa | [illegible] | [illegible] | Pressione di cella [illegible] | [illegible] | [illegible] | Pressione di cella [illegible] | Back Pressure [illegible] | [illegible] | Pressione σ [illegible] | C [illegible] | E [illegible] | K [illegible] | | | Pocket [illegible] |
| S19 - C1 | CBA 1437 | 5,50 - 6,00 | Light Olive brown 5/4 | 98.07<br>196.14<br>294.21 | 43.89<br>83<br>111.58 | 11.8 | 19.0 | | | 71.2 | | | | | | | | | | 608 |
| S19 - C2 | CBA 1437 | 12,00 - 12,30 | Dark Greenish Grey 5B 4/1 | 196.14<br>392.28<br>588.42 | 70.56<br>121<br>186.63 | 10.0 | 16.5 | | | | | | | | | | | | | - |
| S20 - C1 | CBA 1443 | 5,50 - 6,00 | Light Olive Broen | 98.07<br>196.14<br>294.21 | 64.32<br>134.82<br>182.57 | 9.0 | 31.1 | | | | | | | | | | | | | - |
| S20 - C2 | CBA 1443 | 12,50 - 12,80 | Dark Grey 5Y 4/1 | | | | | | | | | | | | | | | | | 117 |
| S20 - C3 | CBA 1443 | 18,00 - 18,50 | Dark bluish Gray 5B 4/1 | 98.07<br>196.14<br>294.21 | 66.75<br>131.31<br>248.32 | 8,2 | 31,6 | | | | | | | | | | | | | - |
| S20 - C4 | CBA 1443 | 25,00 - 25,50 | Dark Grey 5Y 4/1 | 196.14<br>392.28<br>588.42 | 112.88<br>237.45<br>329.93 | 9.7 | 29.0 | | | | | | | | | | | | | 367 |

Dall'analisi dei profili geologici e dalle risultanze delle indagini di laboratorio sono stati definite fasce che riassumono comportamenti geotecnici assimilabili e caratteristiche meccaniche di resistenza e deformabilità omogenee.




| | | | |
|---|---|---|---|
| PESO DI VOLUME (kN/m ) γ | 19 ÷ 20 | 19 ÷ 20 | 19 ÷ 20 |
| COESIONE DRENATA C' (MPa) | 0,03 ÷ 0,07 | 0,03 ÷ 0,07 | 0,02 ÷ 0,05 |
| COESIONE NON DRENATA Cu (MPa) | – | – | – |
| ANGOLO D'ATTRITO (°) φ' | 30° ÷ 34° | 32° ÷ 36° | 30° ÷ 34° |
| MODULO DI DEFORMABILITA' E (GPa) | 0,1 ÷ 0,3 | 0,2 ÷ 0,5 | 0,1 ÷ 0,3 |
| | 1 | 2 | 3 |

La tipologia costruttiva della Galleria naturale Cozzo Garlatti, prevede l'attraversamento di materiali litoidi dati dalla formazione delle Sabbie, arenarie, calciruditi e calcareniti della Terravecchia del Tortoniano.

Riassumendo, nella tabella successiva, sono riportati i parametri geomeccanici adottati all'interno delle modellazioni di calcolo della galleria artificiale di imbocco lato Agrigento della Galleria Cozzo Garlatti.

| **Formazione** | **γ (kN/m$^3$)** | **c' (kPa)** | **φ' (°)** | **E (MPa)** |
|---|---|---|---|---|
| Terreno di riporto (calotta e piedritti) | 20 | 0 | 35 | 40 |

| | | | | |
|---|---|---|---|---|
| Marne argillose (arco rovescio) | 19 | 25 | 24 | 80 |

# 6 VERIFICA GALLERIA ARTIFICIALE CARR. SX (R=6.45M)

## 6.1 GEOMETRIA DELLA SEZIONE E PARAMETRI DI CALCOLO PER L'ANALISI

La galleria artificiale presenta un ritombamento massimo pari a circa 4.5 m per la carreggiata sx.

Per la valutazione della rigidezza degli elementi molla, che simulano il terreno, si è utilizzata la formula di Galerkin, come descritto precedentemente.

Sulla base della stratigrafia è stato assunto un modulo elastico $E_1$= 40 MPa in corrispondenza dei piedritti e calotta, e un modulo $E_2$=80 MPa in corrispondenza dell'arco rovescio; con ν = 0.3 e $R_{eq}$ = 7.05 m in calotta e $R_{eq}$ = 12.50 m in arco rovescio si ha:

$K = E_1 / (R_{eq} (1+ \nu)) = 4364$ kN/m$^3$

$K = E_2 / (R_{eq} (1+ \nu)) = 4923$ kN/m$^3$

Le combinazioni di calcolo analizzate sono le seguenti:

| SLE | CASO | AZIONI γF | | | | PROPRIETA' TERRENO γM | | | RESISTENZE γR | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PERMANENTI | | VARIABILI | | tanΦ' | c' | Cu | qB | δ | Kp |
| | | SFAV. | FAV. | SFAV. | FAV. | | | | | | |
| NO SISMA | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |

| SLE | CASO | AZIONI γF | | | | PROPRIETA' TERRENO γM | | | RESISTENZE γR | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PERMANENTI | | VARIABILI | | tanΦ' | c' | Cu | qB | δ | Kp |
| | | SFAV. | FAV. | SFAV. | FAV. | | | | | | |
| SISMA | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |

| SLU | CASO | AZIONI γF | | | | PROPRIETA' TERRENO γM | | | RESISTENZE γR | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PERMANENTI | | VARIABILI | | tanΦ' | c' | Cu | qB | δ | Kp |
| | | SFAV. | FAV. | SFAV. | FAV. | | | | | | |
| A1+M1 (**NO SISMA**) | 1 | 1.3 | 1 | 1.5 (no sisma) | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| A2+M2 (**SISMA**) | 2 | 1 | 1 | 1.3 (anche sisma) | 0 | 1.25 | 1.25 | 1.4 | 1 | 1 | 1 |

| SLU | CASO | AZIONI γF | | | | PROPRIETA' TERRENO γM | | | RESISTENZE γR | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PERMANENTI | | VARIABILI | | tanΦ' | c' | Cu | qB | δ | Kp |
| | | SFAV. | FAV. | SFAV. | FAV. | | | | | | |
| A1+M1 (**NO SISMA**) | 1 | 1.3 | 1 | 1.5 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| A2+M2 (**SISMA**) | 2 | 1 | 1 | 1.3 | 0 | 1.25 | 1.25 | 1.4 | 1 | 1 | 1 |

## 6.2 RISULTATI DELLE ANALISI

Nel seguito si riportano le verifiche relative alle condizioni di calcolo descritte in precedenza.

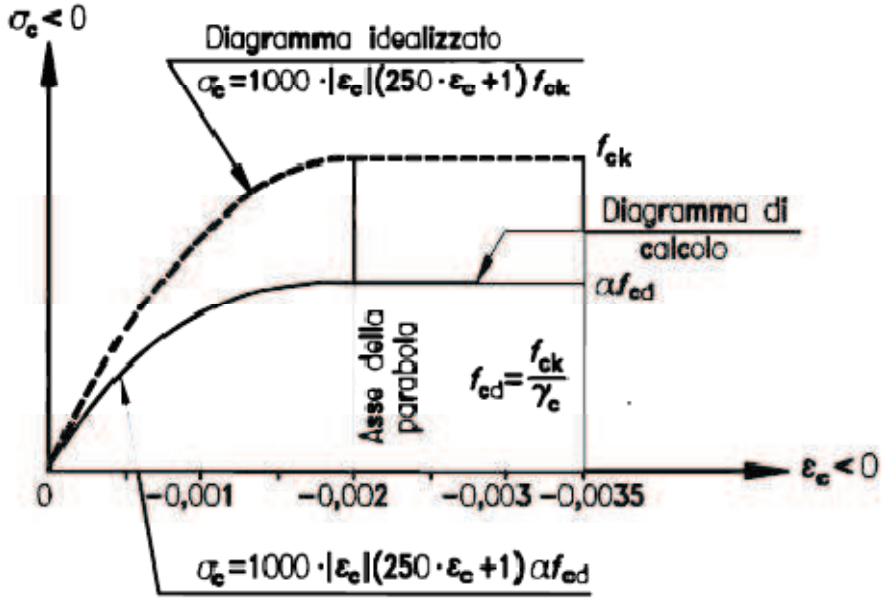
Essendo la struttura a spessore variabile le verifiche vengono svolte per le aste più sollecitate, considerando per ognuna di esse le sollecitazioni derivanti dalle combinazioni di carico più sfavorevoli. Per ogni sezione si considera la situazione più gravosa in termini di combinazione di sollecitazioni assiali e flettenti (verifiche a pressoflessione).

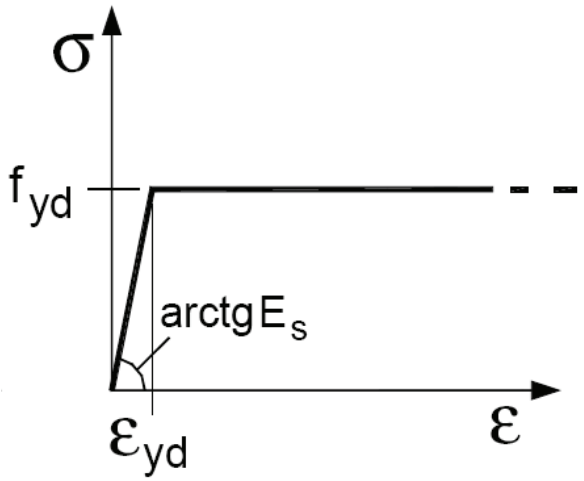
## 6.3 VERIFICA DELLA STRUTTURA

Per la sezione della galleria artificiale in c.a. soggetta a forza normale e flessione retta, la verifica si effettua operando nel piano N-M: basta accertare che il punto avente le coordinate Md, Nd rappresentative degli effetti delle azioni di calcolo (cioè delle azioni di servizio moltiplicate per i correlativi coefficienti parziali di sicurezza $\gamma e$), appartenga al dominio resistente, delimitato dalla curva di interazione M-N. Sono state verificate le sezioni in cemento armato della galleria artificiale ritenute più significative.

In questo caso viene adottato un procedimento rigoroso, basato sulle ipotesi seguenti:

- diagramma $\sigma$-$\varepsilon$ del calcestruzzo compresso a forma di parabola-rettangolo;
- diagramma $\sigma$-$\varepsilon$ dell'acciaio, sia teso che compresso, elastico-perfettamente plastico:
  - conservazione delle sezioni piane;
  - perfetta aderenza fra acciaio e calcestruzzo;
  - calcestruzzo teso non reagente.




Sono stati calcolati i momenti resistenti di progetto (momenti ultimi) corrispondenti al valore assegnato dell'azione assiale sollecitante di progetto Nsd. È stato verificato che il valore di Nsd non risulti maggiore del valore ultimo per compressione o trazione semplice. I momenti sono calcolati rispetto al baricentro della sezione.

Il momento resistente viene determinato dopo aver calcolato la curvatura che, in condizioni di deformazione limite del calcestruzzo o dell'acciaio, soddisfa l'equilibrio alla traslazione.

Sono stati ricavati i punti di dominio M-N della sezione, evidenziando la posizione del punto NSd-MSd rappresentativo dello stato di sollecitazione. Si assumono come positive le compressioni.

Successivamente sono state effettuate delle verifiche agli Stati Limite di Esercizio, che consistono in una limitazione delle tensioni di esercizio, e verifiche agli Stati Limite di Fessurazione (limitazione delle ampiezze massime delle aperture).

In particolare:

σcls < 0.45 fck stato limite delle tensioni di esercizio nel calcestruzzo (combinazione quasi permanente)

σcls < 0.60 fck stato limite delle tensioni di esercizio nel calcestruzzo (combinazione rara)

σs < 0.80 fyk stato limite delle tensioni di esercizio nell'acciaio di armatura

wk < 0.40 mm ampiezza limite delle fessure (combinazione frequente)

wk < 0.30 mm ampiezza limite delle fessure (combinazione quasi permanente)

Per il calcolo dell'apertura delle fessure si procede in questo modo:

wk = 1.7 srm εsm ampiezza delle fessure

dove:

wk è l'ampiezza di calcolo delle fessure;

srm è la distanza media finale tra le fessure;

εsm è la deformazione media che tiene conto, nella combinazione di carico considerata, degli effetti di "tension stiffening", del ritiro ecc.;

$$\varepsilon_{sm} = \frac{\sigma_s}{E_s}\left[1 - \beta_1\beta_2\left(\frac{\sigma_{sr}}{\sigma_s}\right)^2\right]$$

dove:

σs è la tensione nell'armatura tesa calcolata nella sezione fessurata;

σst è la tensione nell'armatura tesa calcolata nella sezione fessurata nella condizione di carico che induce la prima fessura;

β1 è il coefficiente che tiene conto delle proprietà di aderenza delle barre, pari a:

- 1,0 per barre ad aderenza migliorata,
- 0,5 per barre lisce;

β2 è il coefficiente che tiene conto della durata del carico o di carichi ripetuti, pari a:

- 1,0 per un singolo carico di breve durata,
- 0,5 per un carico di lunga durata o per molti cicli di carico ripetuti.

$$s_{rm} = 50 + 0.25 k_1 k_2 \frac{\Phi}{\rho_r}$$

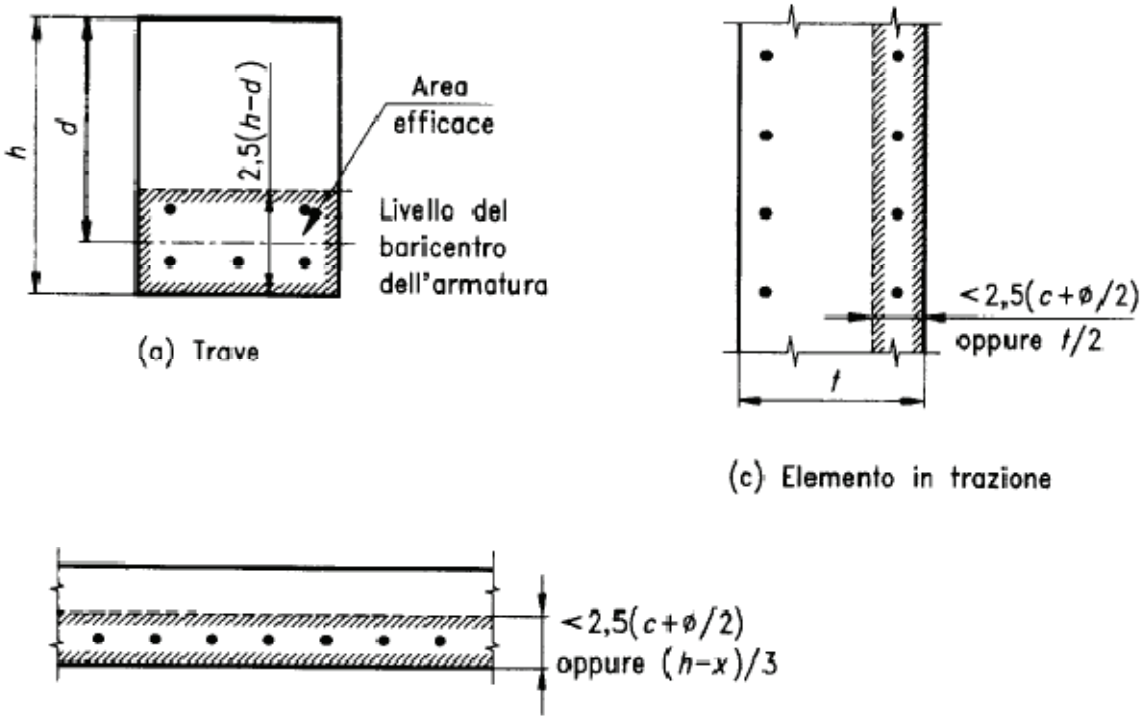
dove:

Φ è il diametro delle barre in mm; se nella stessa sezione sono impiegati più diametri, può essere adottato un diametro medio;

k1 è il coefficiente che tiene conto delle proprietà di aderenza delle barre, pari a 0,8 per barre ad aderenza migliorata e 1,6 per barre lisce. Nel caso di deformazioni impresse k1 può essere sostituito da k1k con k definito in ;

k2 è il coefficiente che tiene conto della forma del diagramma delle deformazioni, pari a 0,5 per flessione e 1,0 per trazione pura.

ρr è il rapporto di armatura efficace AS/Ac,eff, dove AS è l'area dell'armatura contenuta nell'area tesa efficace Ac,eff l'area di trazione efficace è in genere l'area di calcestruzzo che circonda le armature tese, di altezza pari a 2,5 volte la distanza dal lembo teso della sezione al baricentro dell'armatura




Sono stati presi in considerazione, per le verifiche, sei elementi frame situati rispettivamente al centro dell'arco rovescio, sui piedritti, ai reni e in calotta.

È stata considerata una sezione di calcestruzzo armato avente base pari a 1 m , altezza variabile a seconda della sezione considerata con armatura costituita da tondini Φ 26 ogni 20 cm in calotta e piedritti e Φ 26 ogni 12.5 cm in arco rovescio disposti simmetricamente con copriferro pari a 5 cm.

Sono stati ricavati i valori di sforzo assiale e momento flettente in output dal software di calcolo per ogni combinazione di calcolo.

Si è accertato, in seguito, che i punti aventi le coordinate γeN, γeM rappresentativi degli effetti delle azioni di calcolo (cioè delle azioni di servizio moltiplicate per i correlativi coefficienti parziali di sicurezza γe), appartengano al dominio resistente, delimitato dalla curva di interazione M-N.

È stata eseguita, inoltre, la verifica nei confronti delle sollecitazioni taglianti della sezione in calcestruzzo armato dotata di specifica armatura a taglio (staffe Φ 16 / 20) (DM2008 – 4.1.2.1.3.2).

Per quanto riguarda le verifiche agli stati limite di esercizio, sono state monitorate sia le tensioni di esercizio nel calcestruzzo e nell'acciaio, sia le ampiezze delle aperture nel calcestruzzo fessurato.

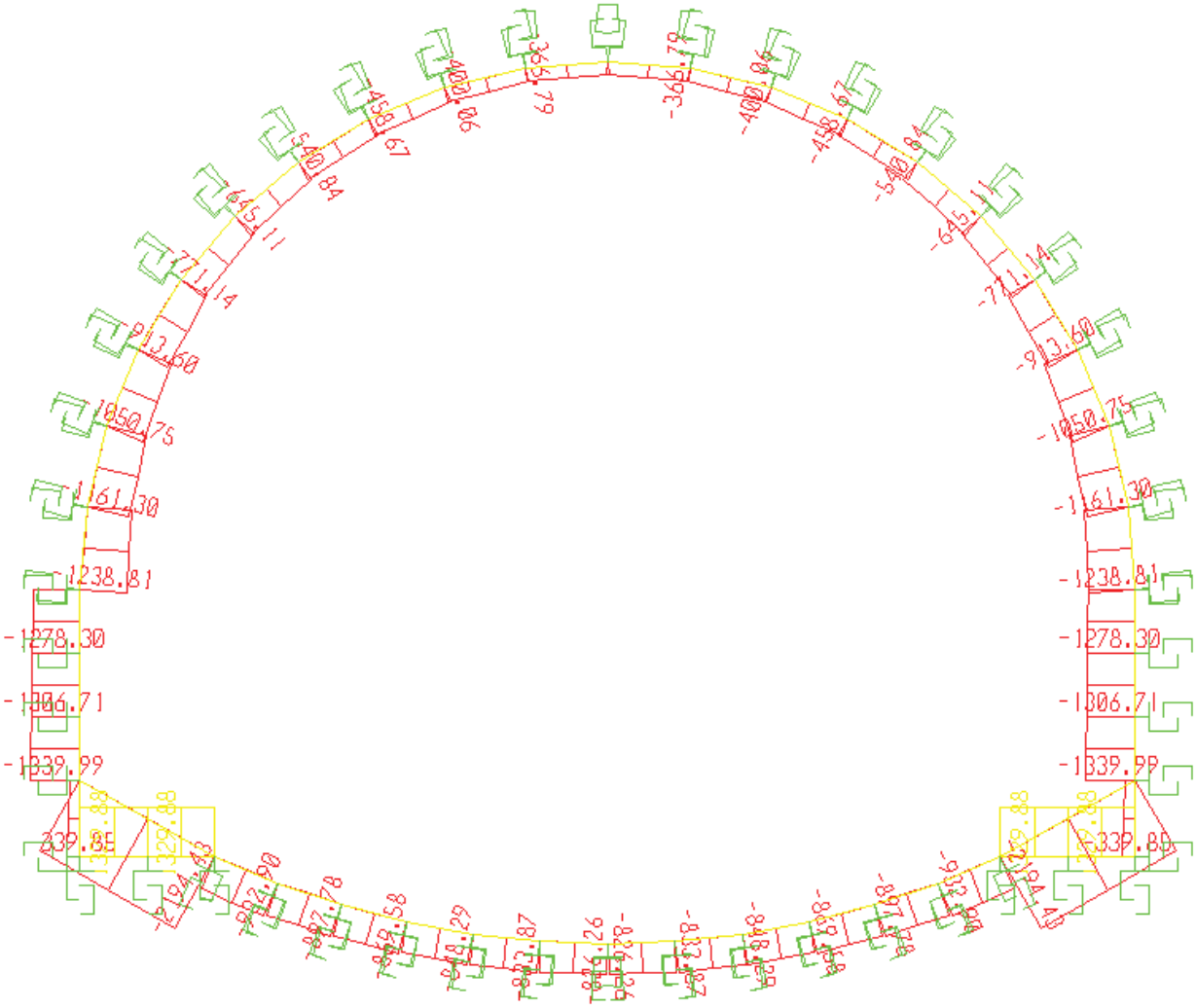



Diagramma azione assiale - SLE

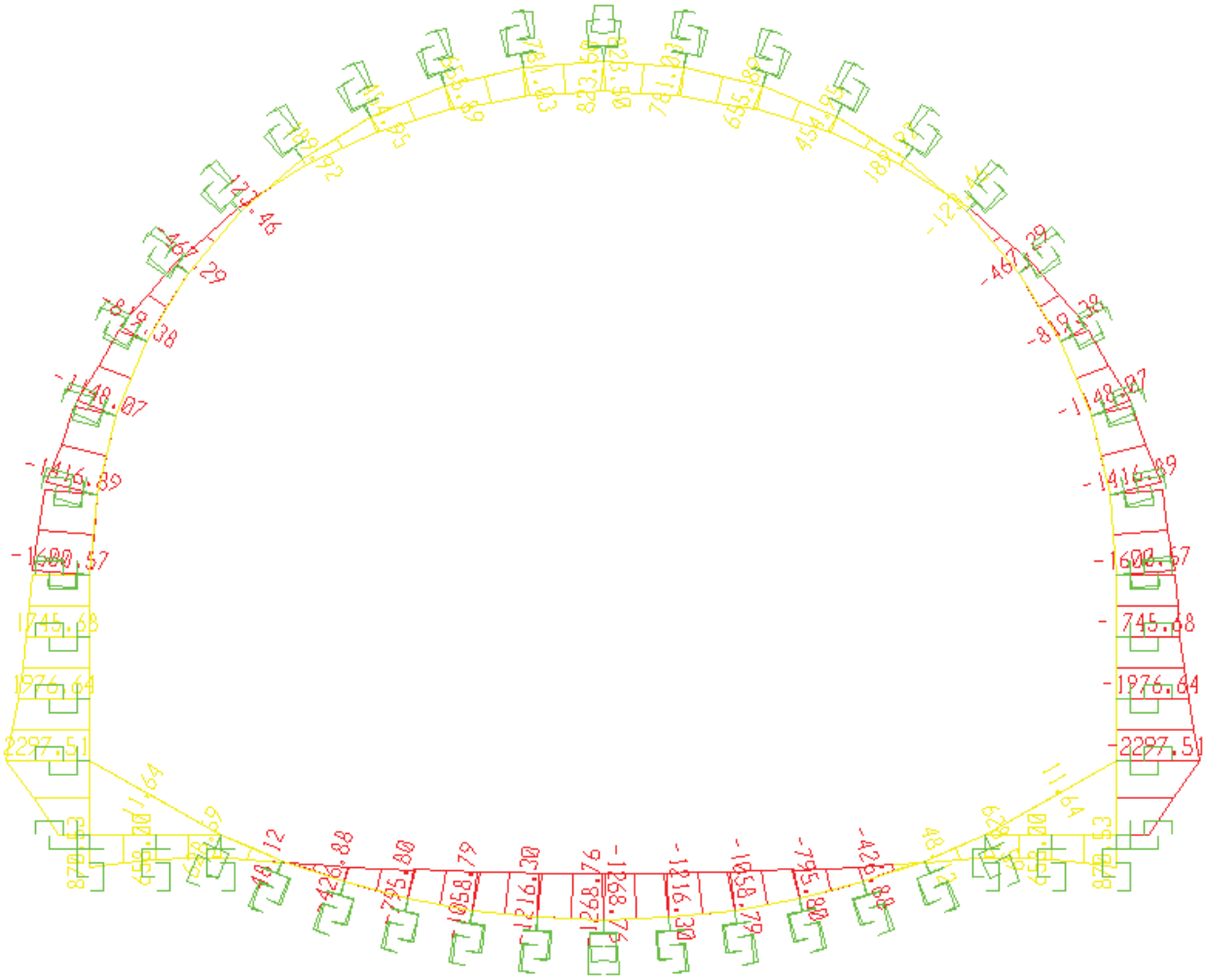



Diagramma momento flettente – SLE

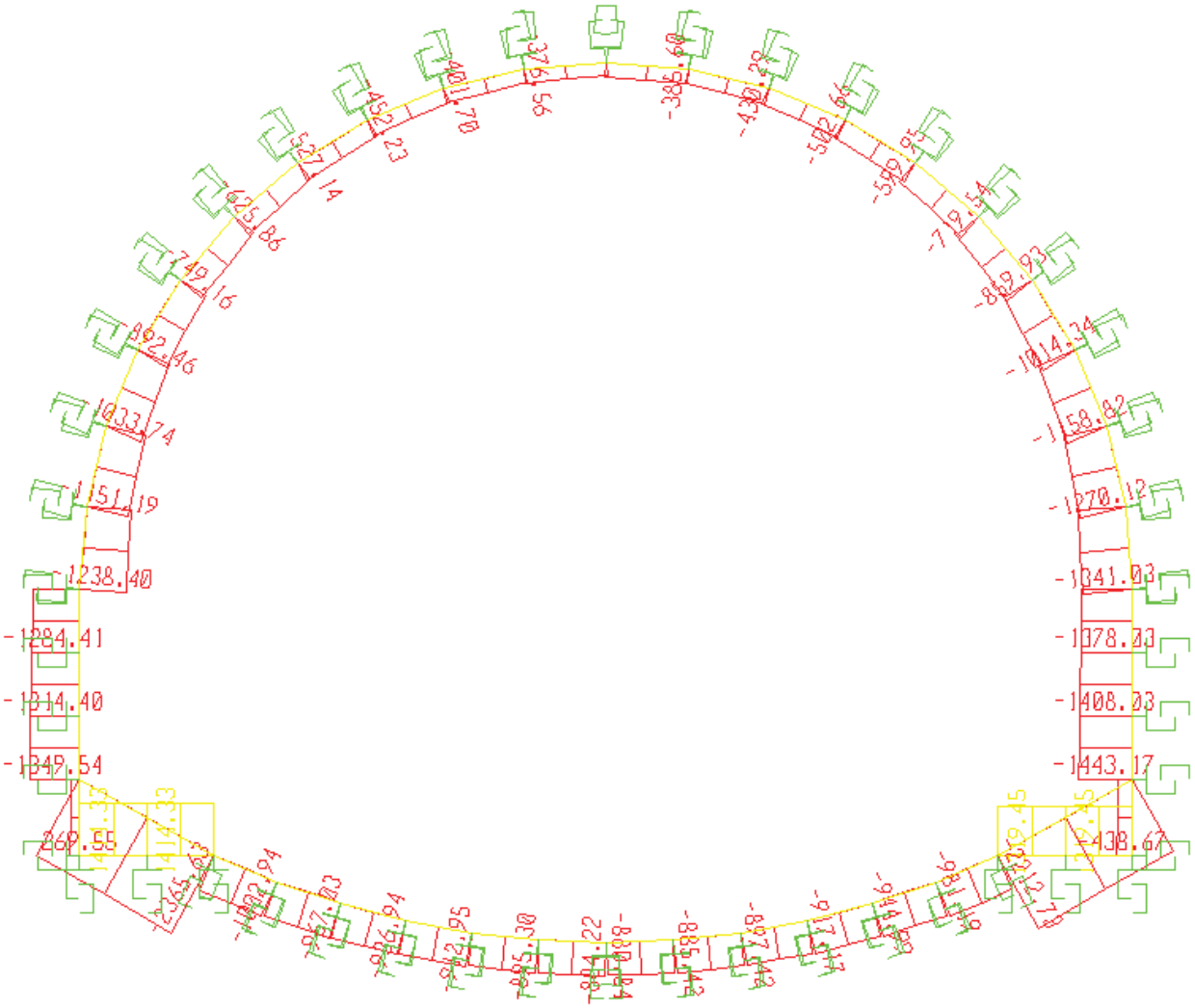



Diagramma azione assiale – SLE sisma down

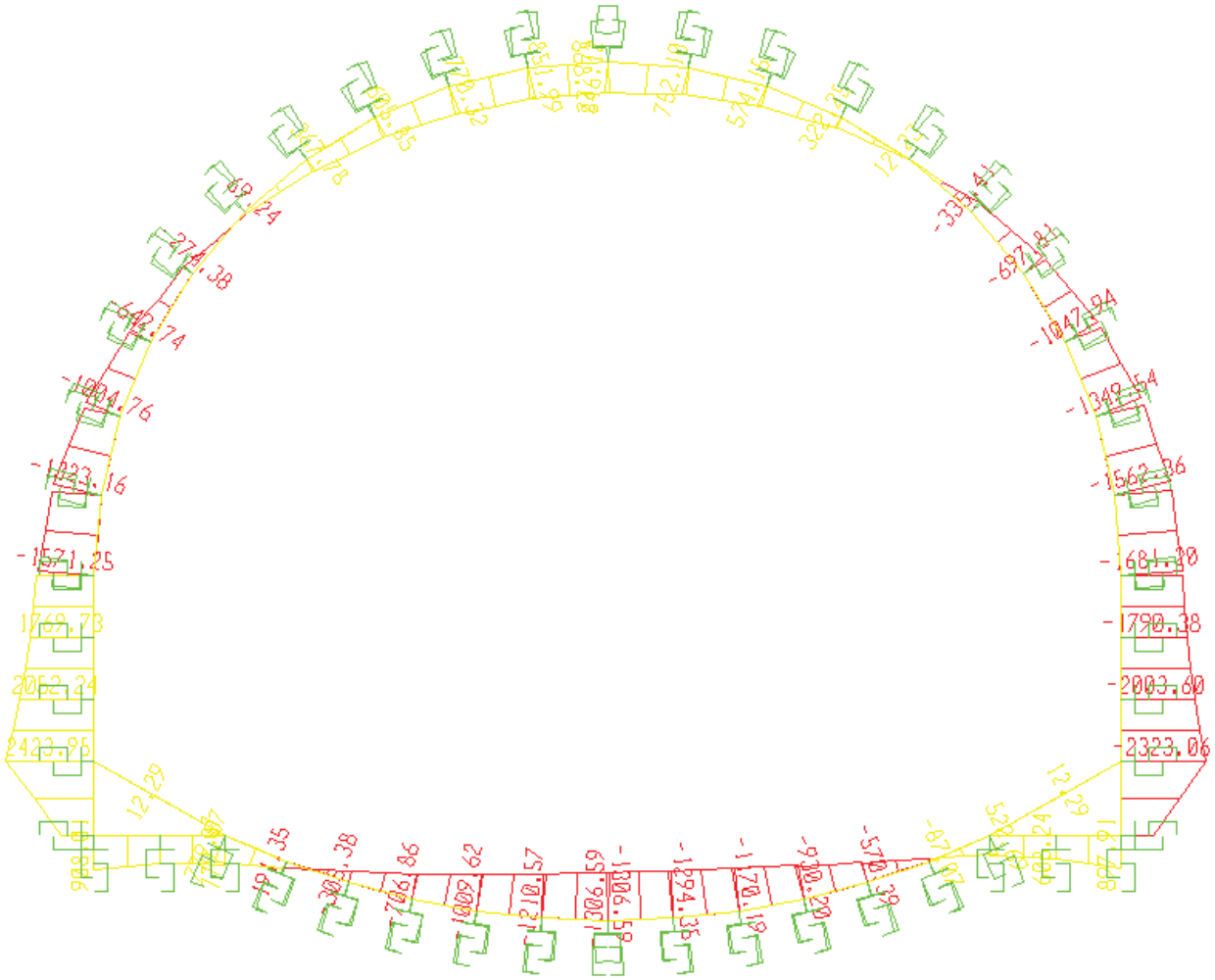



Diagramma momento flettente – SLE sisma down

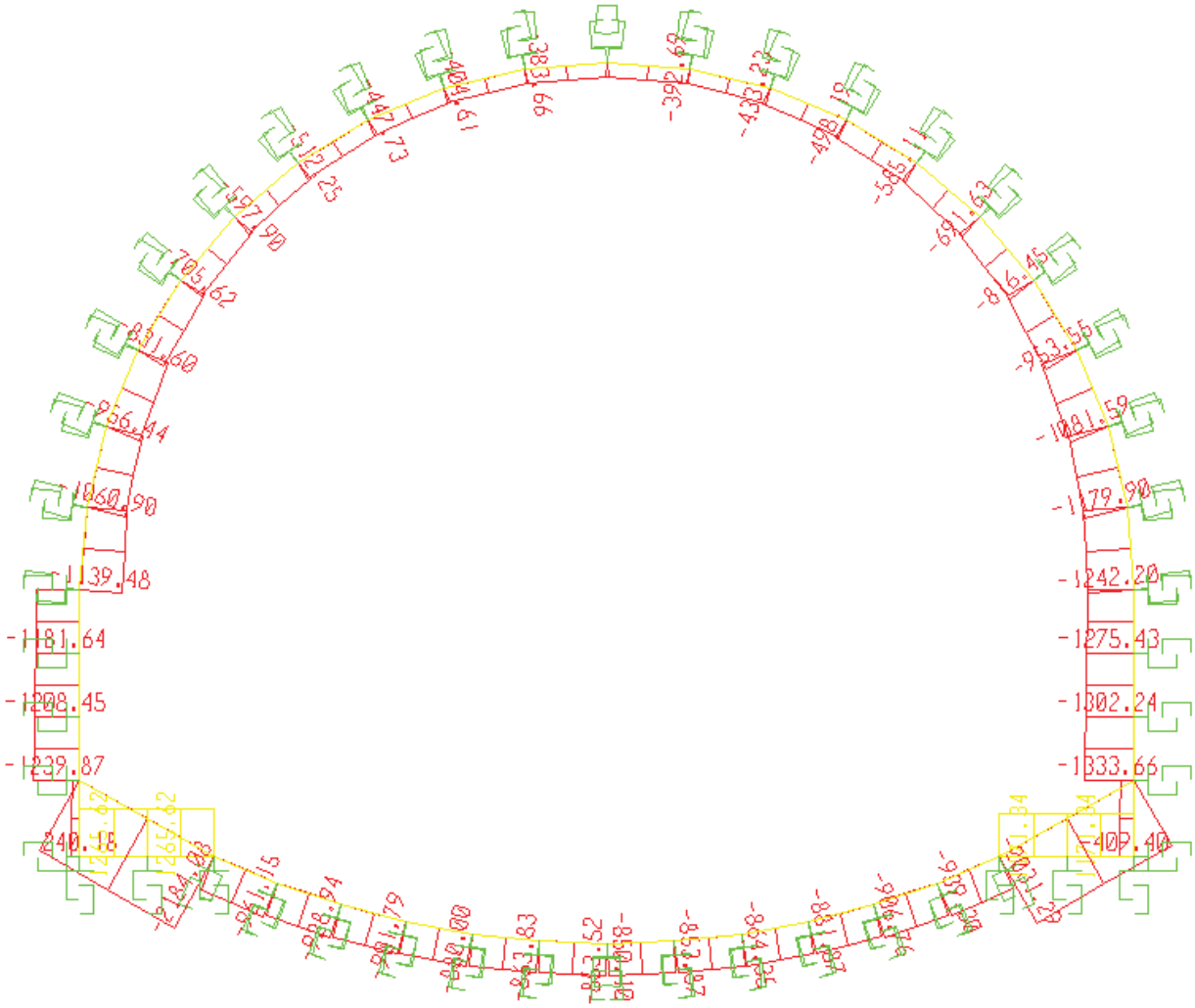



Diagramma azione assiale – SLE sisma up

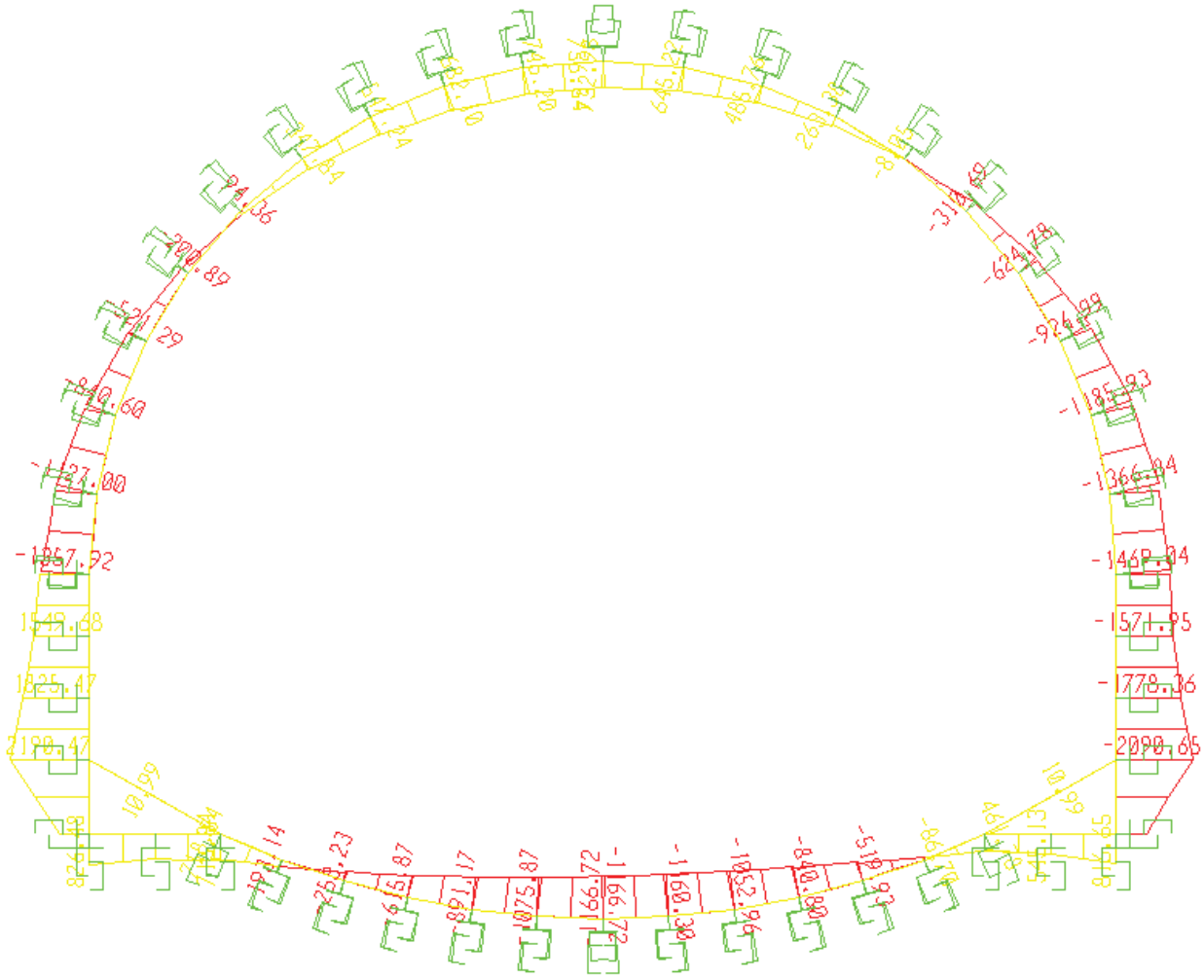


Diagramma momento flettente – SLE sisma up

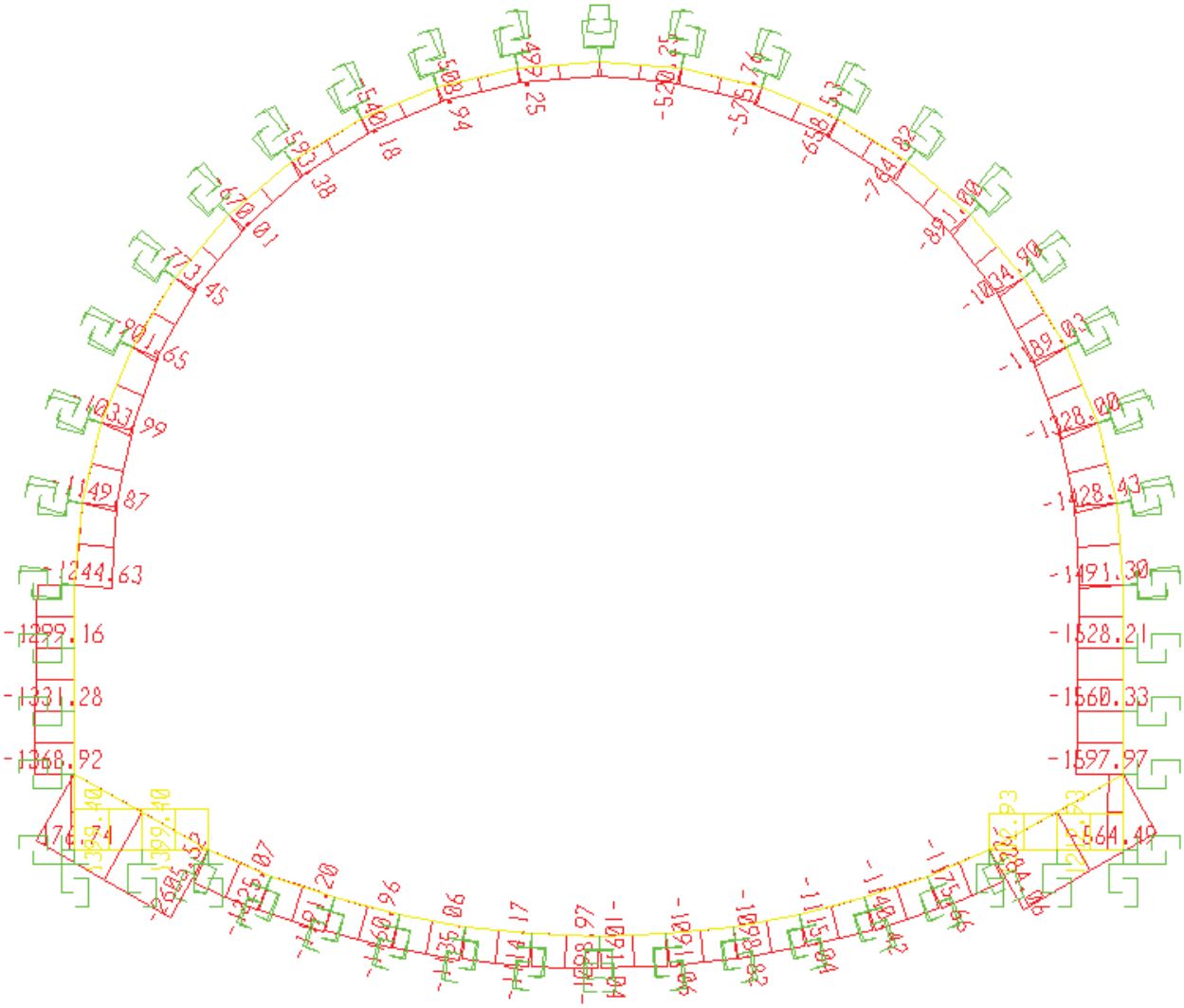



Diagramma azione assiale – SLU sisma down

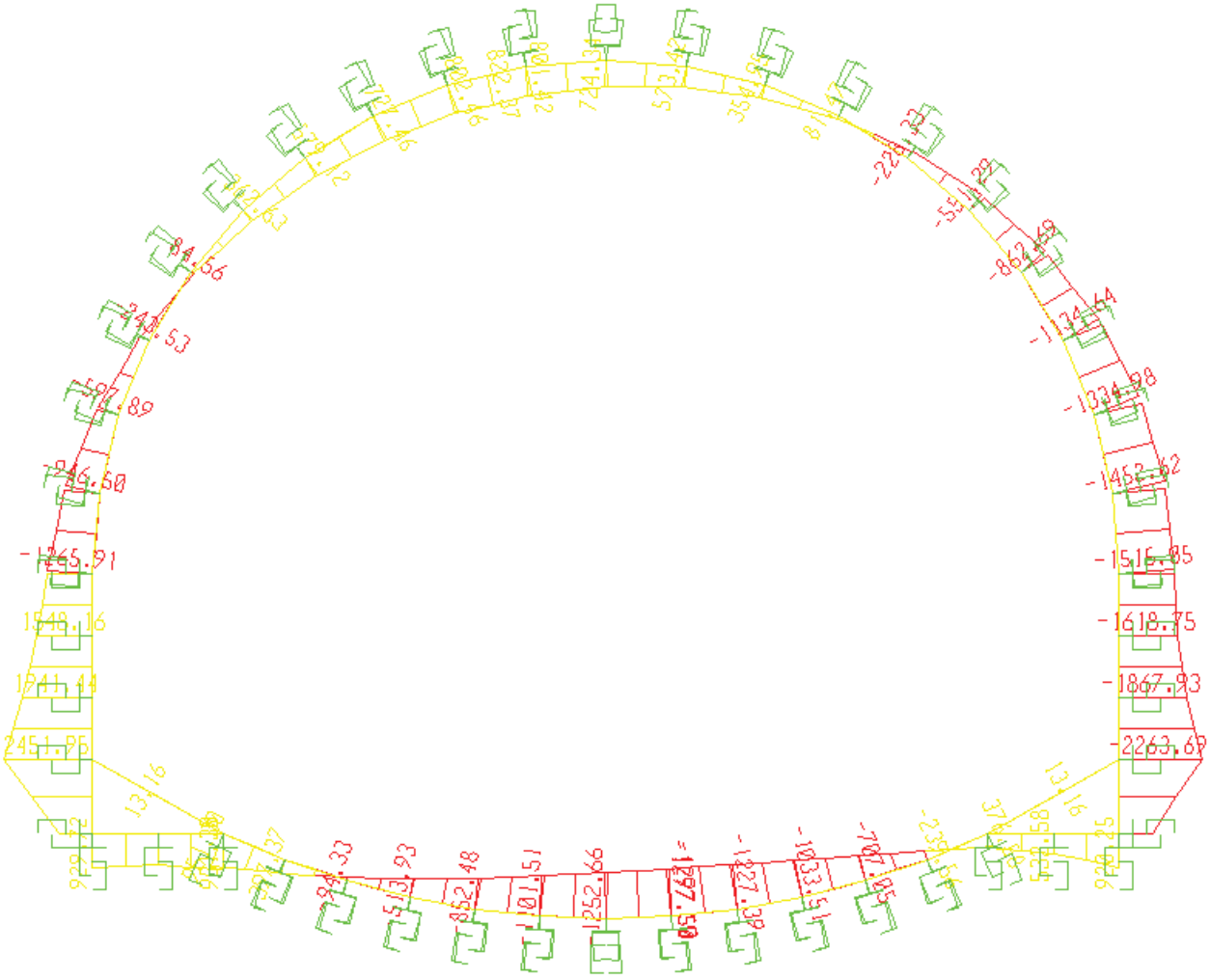


Diagramma momento flettente – SLU sisma down

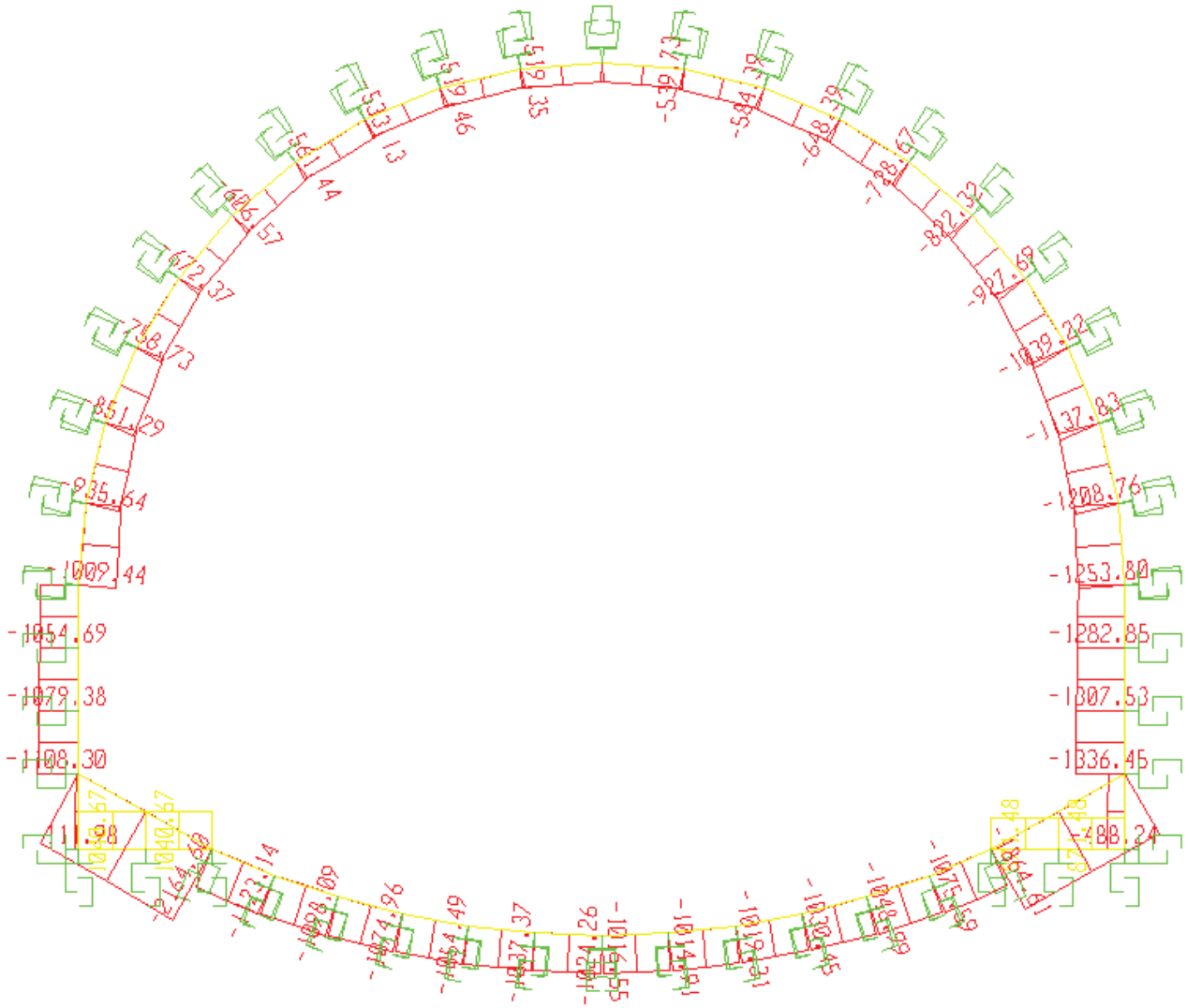



Diagramma azione assiale – SLU sisma up

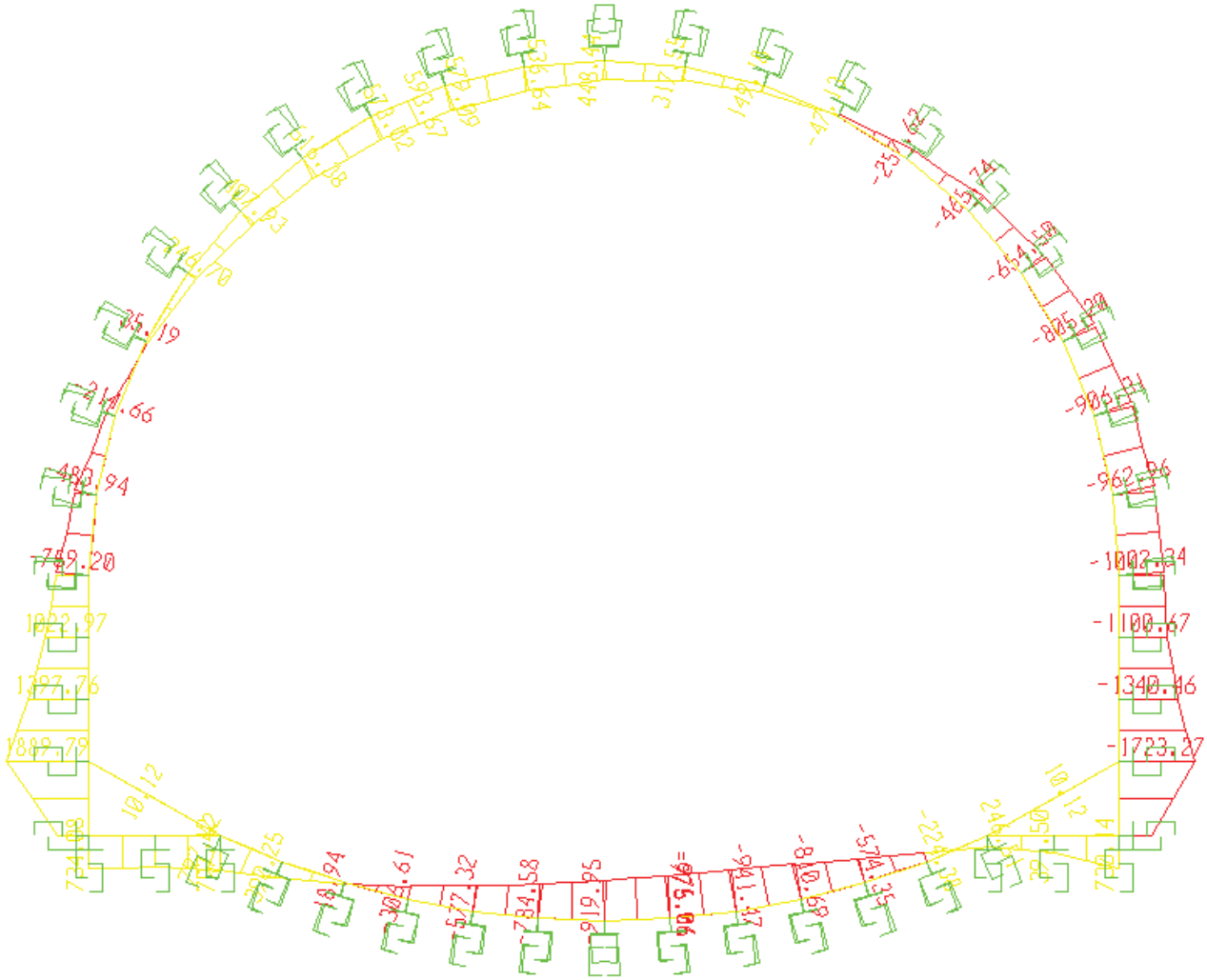



Diagramma momento flettente – SLU sisma up

| Combinazione 1 - SLE (no sisma) | | | | | | | | γe = 1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | γe N (kN) | γe M (kNm) | σt (MPa) | σc (MPa) | σs (MPa) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.20 | 360.00 | 823.00 | 360.00 | 823.00 | 2.65 | 5.29 | 227.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.46 | 645.00 | -123.00 | 645.00 | -123.00 | - | 0.72 | - |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.46 | 645.00 | -123.00 | 645.00 | -123.00 | - | 0.72 | - |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.29 | 1161.00 | -1416.00 | 1161.00 | -1416.00 | 3.56 | 8.20 | 269.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.29 | 1161.00 | -1416.00 | 1161.00 | -1416.00 | 3.56 | 8.20 | 269.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.00 | 826.00 | 1268.00 | 826.00 | 1268.00 | 5.07 | 8.80 | 256.00 |

| Combinazione 2 - SLE (sisma verticale verso il basso) | | | | | | | | γe = 1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | γe N (kN) | γe M (kNm) | σt (MPa) | σc (MPa) | σs (MPa) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.20 | 370.00 | 846.00 | 370.00 | 846.00 | 2.73 | 5.44 | 233.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.46 | 671.00 | 69.00 | 671.00 | 69.00 | - | 0.61 | - |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.46 | 719.00 | -335.00 | 719.00 | -335.00 | 0.36 | 1.42 | 9.60 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.29 | 1191.00 | -1323.00 | 1191.00 | -1323.00 | 3.25 | 7.65 | 236.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.29 | 1270.00 | -1562.00 | 1270.00 | -1562.00 | 3.93 | 9.00 | 299.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.00 | 881.00 | 1306.00 | 881.00 | 1306.00 | 5.20 | 9.10 | 261.00 |

| Combinazione 3 - SLE (sisma verticale verso l'alto) | | | | | | | | γe = 1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | γe N (kN) | γe M (kNm) | σt (MPa) | σc (MPa) | σs (MPa) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.20 | 378.00 | 732.00 | 378.00 | 732.00 | 2.31 | 4.70 | 192.80 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.46 | 636.00 | 94.00 | 636.00 | 94.00 | - | 0.64 | - |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.46 | 691.00 | -310.00 | 691.00 | -310.00 | 0.32 | 1.32 | 7.98 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.29 | 1097.00 | -1127.00 | 1097.00 | -1127.00 | 2.71 | 6.50 | 189.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.29 | 1179.00 | -1336.00 | 1179.00 | -1336.00 | 3.30 | 7.70 | 242.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.00 | 850.00 | 1166.00 | 850.00 | 1166.00 | 4.59 | 8.20 | 227.00 |

**Calcolo apertura fessure**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sezione 100 x 120 | σtmax = | **2.65 Mpa** | Srm = | **17.24 cm** | wk = 1.7 Srm εsm = | **0.23 mm** | **<0.3mm** |
| | | | εsm = | **0.0008** | | | |
| Sezione 100 x 146 | σtmax = | **0.36 Mpa** | **< 2.13 Mpa** | No fessurazione | | | |
| Sezione 100 x 129 | σtmax = | **3.93 Mpa** | Srm = | **17.24 cm** | wk = 1.7 Srm εsm = | **0.31 mm** | **<0.4mm** |
| | | | εsm = | **0.0010** | | | |
| Sezione 100 x 100 | σtmax = | **5.07 Mpa** | Srm = | **12.65 cm** | wk = 1.7 Srm εsm = | **0.23 mm** | **<0.3mm** |
| | | | εsm = | **0.0011** | | | |
| Sezione 100 x 100 | σtmax = | **5.20 Mpa** | Srm = | **12.65 cm** | wk = 1.7 Srm εsm = | **0.24 mm** | **<0.4mm** |
| | | | εsm = | **0.0011** | | | |

**SLU** **γe M < Mrd** Staffe **Φ16 / 20**

| Combinazione 4 - SLU (A1+M1 - no sisma) | | | | | | | | | γe = 1.3 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | T (kN) | γe N (kN) | γe M (kNm) | γe T (kN) | Mrd (kNm) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.20 | 360.00 | 823.00 | 28.00 | 468.00 | 1069.90 | 36.40 | 1416.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.46 | 645.00 | -123.00 | 349.00 | 838.50 | -159.90 | 453.70 | -1996.00 |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.46 | 645.00 | -123.00 | 349.00 | 838.50 | -159.90 | 453.70 | -1996.00 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.29 | 1333.00 | -1604.00 | 298.00 | 1732.90 | -2085.20 | 387.40 | -2245.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.29 | 1333.00 | -1604.00 | 298.00 | 1732.90 | -2085.20 | 387.40 | -2245.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.00 | 826.00 | 1268.00 | 69.00 | 1073.80 | 1648.40 | 89.70 | 1987.00 |

| Combinazione 5 - SLU (A2+M2 - sisma verticale verso il basso) | | | | | | | | | γe = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | T (kN) | γe N (kN) | γe M (kNm) | γe T (kN) | Mrd (kNm) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.20 | 494.00 | 724.00 | 142.00 | 494.00 | 724.00 | 142.00 | 1430.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.46 | 704.00 | 362.00 | 276.00 | 704.00 | 362.00 | 276.00 | 1906.00 |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.46 | 891.00 | -551.00 | 359.00 | 891.00 | -551.00 | 359.00 | -2031.00 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.29 | 1197.00 | -946.00 | 394.00 | 1197.00 | -946.00 | 394.00 | -1955.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.29 | 1429.00 | -1452.00 | 156.00 | 1429.00 | -1452.00 | 156.00 | -2084.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.00 | 1091.00 | 1252.00 | 180.00 | 1091.00 | 1252.00 | 180.00 | 1994.00 |

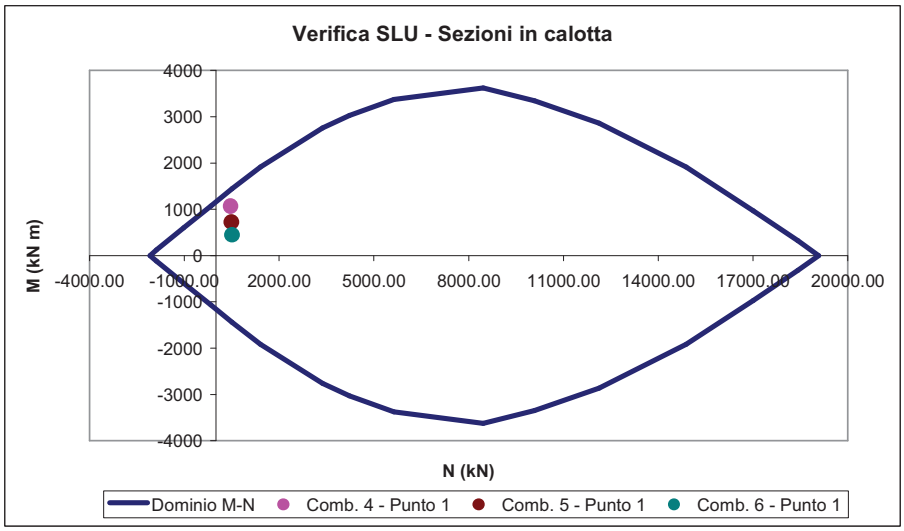
| Combinazione 6 - SLU (A2+M2 - sisma verticale verso l'alto) | | | | | | | | | γe = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | T (kN) | γe N (kN) | γe M (kNm) | γe T (kN) | Mrd (kNm) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.20 | 516.00 | 448.00 | 140.00 | 516.00 | 448.00 | 140.00 | 1442.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.46 | 625.00 | 408.00 | 168.00 | 625.00 | 408.00 | 168.00 | 1853.00 |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.46 | 822.00 | -465.00 | 245.00 | 822.00 | -465.00 | 245.00 | -1985.00 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.29 | 974.00 | -483.00 | 320.00 | 974.00 | -483.00 | 320.00 | -1826.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.29 | 1208.00 | -962.00 | 99.00 | 1208.00 | -962.00 | 99.00 | -1961.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.00 | 1016.00 | 919.00 | 160.00 | 1016.00 | 919.00 | 160.00 | 1962.00 |

**SLU - Sezioni in calotta**

| | |
|---|---|
| **h sez (m)** | 1.20 |
| **As** | Φ26 / 20 |
| **As'** | Φ26 / 20 |

**Punti del dominio N-M**

| MRd | N | -N |
|---|---|---|
| -2077.80 | 0 | 0 |
| -1872.34 | 118.559 | -118.559 |
| -1018.29 | 596.407 | -596.407 |
| -164.66 | 1069.28 | -1069.28 |
| 514.61 | 1441.43 | -1441.43 |
| 1410.79 | 1916.97 | -1916.97 |
| 3377.55 | 2755.51 | -2755.51 |
| 4223.19 | 3029.82 | -3029.82 |
| 5634.18 | 3372.05 | -3372.05 |
| 8461.98 | 3623.26 | -3623.26 |
| 10080.90 | 3345.14 | -3345.14 |
| 12130.80 | 2863.69 | -2863.69 |
| 14881.70 | 1916.65 | -1916.65 |
| 17009.10 | 965.123 | -965.123 |
| 18416.90 | 322.004 | -322.004 |
| 19081.80 | 0 | 0 |

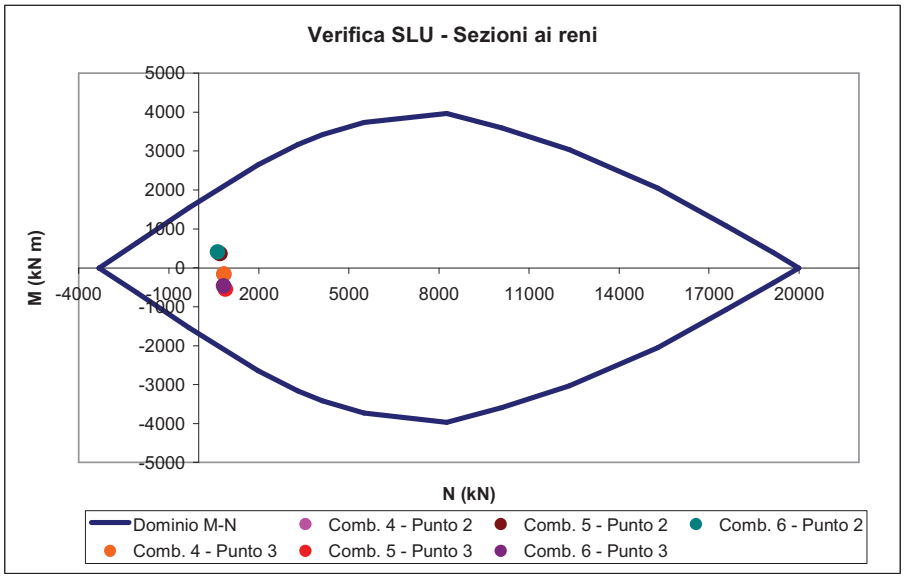



**SLU - Sezioni ai reni**

| | |
|---|---|
| **h sez (m)** | 1.12 |
| **As** | Φ26 / 12.5 |
| **As'** | Φ26 / 12.5 |

**Punti del dominio N-M**

| MRd | N | -N |
|---|---|---|
| -3323.7 | 0 | 0.00 |
| -3323.7 | 0 | 0.00 |
| -3323.7 | 0 | 0.00 |
| -2058.77 | 645.117 | -645.12 |
| -331.967 | 1533.85 | -1533.85 |
| 1983 | 2645.79 | -2645.79 |
| 3300.07 | 3166.93 | -3166.93 |
| 4126.29 | 3417.73 | -3417.73 |
| 5504.91 | 3731.24 | -3731.24 |
| 8267.82 | 3964.42 | -3964.42 |
| 10091.1 | 3594.02 | -3594.02 |
| 12340.7 | 3036.85 | -3036.85 |
| 15286 | 2049.4 | -2049.40 |
| 17571.5 | 1077.86 | -1077.86 |
| 19151.5 | 388.447 | -388.45 |
| 19989.3 | 0 | 0.00 |

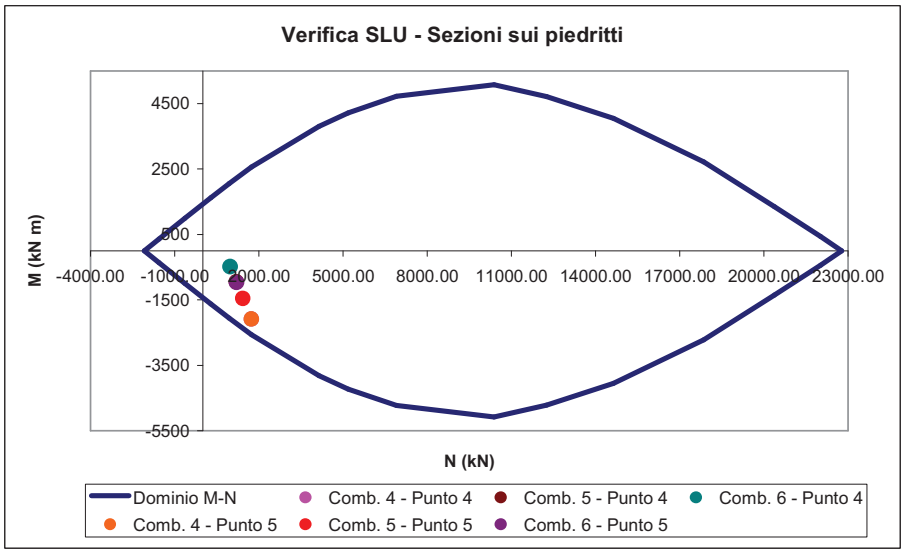


**SLU - Sezioni sui piedritti**

| | |
|---|---|
| **h sez (m)** | 1.46 |
| **As** | Φ26 / 20 |
| **As'** | Φ26 / 20 |

**Punti del dominio N-M**

| MRd | N | -N |
|---|---|---|
| -2077.80 | 0 | 0.00 |
| -1550.12 | 365.342 | -365.34 |
| -632.10 | 998.174 | -998.17 |
| 285.68 | 1623.72 | -1623.72 |
| 937.36 | 2061.38 | -2061.38 |
| 1729.66 | 2566.88 | -2566.88 |
| 4141.15 | 3813.87 | -3813.87 |
| 5178.00 | 4220.39 | -4220.39 |
| 6907.98 | 4725.08 | -4725.08 |
| 10375.10 | 5083.13 | -5083.13 |
| 12249.70 | 4717.01 | -4717.01 |
| 14636.60 | 4053.17 | -4053.17 |
| 17850.40 | 2717.58 | -2717.58 |
| 20372.30 | 1349.95 | -1349.95 |
| 22018.50 | 438.858 | -438.86 |
| 22766.00 | 0.004362 | 0.00 |

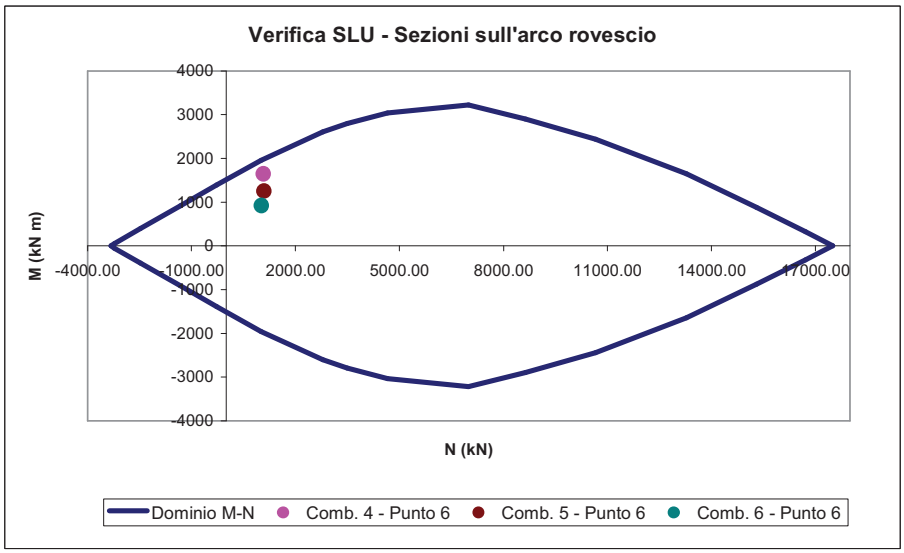



**SLU - Sezione sull'arco rovescio**

| | |
|---|---|
| **h sez (m)** | 1.00 |
| **As** | Φ26 / 12.5 |
| **As'** | Φ26 / 12.5 |

**Punti del dominio N-M**

| MRd | N | -N |
|---|---|---|
| -3323.70 | 0 | 0.00 |
| -3214.33 | 53.9579 | -53.96 |
| -2476.36 | 393.467 | -393.47 |
| -1322.01 | 917.101 | -917.10 |
| -270.99 | 1390.78 | -1390.78 |
| 1011.00 | 1959.55 | -1959.55 |
| 2790.18 | 2608.36 | -2608.36 |
| 3488.73 | 2798.58 | -2798.58 |
| 4654.33 | 3037.19 | -3037.19 |
| 6990.34 | 3218.78 | -3218.78 |
| 8640.23 | 2900.2 | -2900.20 |
| 10658.60 | 2438.79 | -2438.79 |
| 13281.70 | 1644.73 | -1644.73 |
| 15297.70 | 876.768 | -876.77 |
| 16714.10 | 322.983 | -322.98 |
| 17493.70 | 0 | 0.00 |



**SLU** **Verifica a taglio** **$V_{Rd} \geq V_{Ed}$** **Staffe Φ16/20**

Taglio massimo **$V_{Ed}$ = 454 kN**

Resistenza di calcolo staffe

$$V_{Rd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\cot \alpha + \cot \theta) \cdot \sin \alpha$$

| | | | |
|---|---|---|---|
| d = | 1410 mm | altezza utile sezione | |
| $A_{sw}$ = | 201 $mm^2$ | area staffe (1Φ16 a 2 bracci) | (staffe Φ16/20) |
| s = | 200 mm | interasse staffe | |
| $f_{yd}$ = | 391.30 MPa | tensione di snervamento di calcolo | |
| α = | 90 ° | inclinazione delle staffe rispetto all'asse de lla sezione | |
| θ = | 45 ° | inclinazione dei puntoni di cls rispetto all'ass e della sezione | |

**$V_{Rd}$ = 998 kN**

**SLU** **Verifica a taglio** **$V_{Rd} \geq V_{Ed}$** **Staffe Φ16/20**

Taglio massimo **$V_{Ed}$ = 142 kN**

Resistenza di calcolo staffe

$$V_{Rd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\cot \alpha + \cot \theta) \cdot \sin \alpha$$

| | | | |
|---|---|---|---|
| d = | 1150 mm | altezza utile sezione | |
| $A_{sw}$ = | 201 $mm^2$ | area staffe (1Φ16 a 2 bracci) | (staffe Φ16/20) |
| s = | 200 mm | interasse staffe | |
| $f_{yd}$ = | 391.30 MPa | tensione di snervamento di calcolo | |
| α = | 90 ° | inclinazione delle staffe rispetto all'asse de lla sezione | |
| θ = | 45 ° | inclinazione dei puntoni di cls rispetto all'ass e della sezione | |

**$V_{Rd}$ = 814 kN**

**SLU** **Verifica a taglio** **$V_{Rd} \geq V_{Ed}$** **Staffe Φ16/20**

Taglio massimo **$V_{Ed}$ = 394 kN**

Resistenza di calcolo staffe

$$V_{Rd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\cot \alpha + \cot \theta) \cdot \sin \alpha$$

| | | | |
|---|---|---|---|
| d = | 1240 mm | altezza utile sezione | |
| $A_{sw}$ = | 201 $mm^2$ | area staffe (1Φ16 a 2 bracci) | (staffe Φ16/20) |
| s = | 200 mm | interasse staffe | |
| $f_{yd}$ = | 391.30 MPa | tensione di snervamento di calcolo | |
| α = | 90 ° | inclinazione delle staffe rispetto all'asse de lla sezione | |
| θ = | 45 ° | inclinazione dei puntoni di cls rispetto all'ass e della sezione | |

**$V_{Rd}$ = 878 kN**

**SLU** **Verifica a taglio** **$V_{Rd} \geq V_{Ed}$** **Staffe Φ16/20**

Taglio massimo **$V_{Ed}$ = 180 kN**

Resistenza di calcolo staffe

$$V_{Rd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\cot \alpha + \cot \theta) \cdot \sin \alpha$$

| | | | |
|---|---|---|---|
| d = | 900 mm | altezza utile sezione | |
| $A_{sw}$ = | 201 $mm^2$ | area staffe (1Φ16 a 2 bracci) | (staffe Φ16/20) |
| s = | 200 mm | interasse staffe | |
| $f_{yd}$ = | 391.30 MPa | tensione di snervamento di calcolo | |
| α = | 90 ° | inclinazione delle staffe rispetto all'asse de lla sezione | |
| θ = | 45 ° | inclinazione dei puntoni di cls rispetto all'ass e della sezione | |

**$V_{Rd}$ = 637 kN**

# 7 VERIFICA GALLERIA ARTIFICIALE CARR. DX (R=7.21M)

## 7.1 GEOMETRIA DELLA SEZIONE E PARAMETRI DI CALCOLO PER L'ANALISI

La galleria artificiale presenta un ritombamento massimo pari a circa 5 m per la carreggiata dx (galleria allargata).

Per la valutazione della rigidezza degli elementi molla, che simulano il terreno, si è utilizzata la formula di Galerkin, come descritto precedentemente.

Sulla base della stratigrafia è stato assunto un modulo elastico $E_1$= 40 MPa in corrispondenza dei piedritti e calotta, e un modulo $E_2$=80 MPa in corrispondenza dell'arco rovescio; con ν = 0.3 e $R_{eq}$ = 8.4 m in calotta e $R_{eq}$ = 15.09 m in arco rovescio si ha:

$K = E_1 / (R_{eq} (1+ \nu)) = 3663$ kN/m$^3$

$K = E_2 / (R_{eq} (1+ \nu)) = 4078$ kN/m$^3$

Le combinazioni di calcolo analizzate sono le seguenti:

| **SLE** | CASO | AZIONI γF | | | | PROPRIETA' TERRENO γM | | | RESISTENZE γR | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PERMANENTI | | VARIABILI | | tanΦ' | c' | Cu | qB | δ | Kp |
| | | SFAV. | FAV. | SFAV. | FAV. | | | | | | |
| **NO SISMA** | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |

| **SLE** | CASO | AZIONI γF | | | | PROPRIETA' TERRENO γM | | | RESISTENZE γR | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PERMANENTI | | VARIABILI | | tanΦ' | c' | Cu | qB | δ | Kp |
| | | SFAV. | FAV. | SFAV. | FAV. | | | | | | |
| **SISMA** | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |

| **SLU** | CASO | AZIONI γF | | | | PROPRIETA' TERRENO γM | | | RESISTENZE γR | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PERMANENTI | | VARIABILI | | tanΦ' | c' | Cu | qB | δ | Kp |
| | | SFAV. | FAV. | SFAV. | FAV. | | | | | | |
| A1+M1 (**NO SISMA**) | 1 | 1.3 | 1 | 1.5 (no sisma) | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| A2+M2 (**SISMA**) | 2 | 1 | 1 | 1.3 (anche sisma) | 0 | 1.25 | 1.25 | 1.4 | 1 | 1 | 1 |

| **SLU** | CASO | AZIONI γF | | | | PROPRIETA' TERRENO γM | | | RESISTENZE γR | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PERMANENTI | | VARIABILI | | tanΦ' | c' | Cu | qB | δ | Kp |
| | | SFAV. | FAV. | SFAV. | FAV. | | | | | | |
| A1+M1 (**NO SISMA**) | 1 | 1.3 | 1 | 1.5 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| A2+M2 (**SISMA**) | 2 | 1 | 1 | 1.3 | 0 | 1.25 | 1.25 | 1.4 | 1 | 1 | 1 |

## 7.2 RISULTATI DELLE ANALISI

Nel seguito si riportano le verifiche relative alle condizioni di calcolo descritte in precedenza.

Essendo la struttura a spessore variabile le verifiche vengono svolte per le aste più sollecitate, considerando per ognuna di esse le sollecitazioni derivanti dalle combinazioni di carico più sfavorevoli. Per ogni sezione si considera la situazione più gravosa in termini di combinazione di sollecitazioni assiali e flettenti (verifiche a pressoflessione).

## 7.3 VERIFICA DELLA STRUTTURA

Sono stati presi in considerazione, per le verifiche, sei elementi frame situati rispettivamente al centro dell'arco rovescio, sui piedritti, ai reni e in calotta.

È stata considerata una sezione di calcestruzzo armato avente base pari a 1 m , altezza variabile a seconda della sezione considerata con armatura costituita da tondini Φ 26 ogni 20 cm in calotta e piedritti e Φ 26 ogni 12.5 cm in arco rovescio disposti simmetricamente con copriferro pari a 5 cm.

Sono stati ricavati i valori di sforzo assiale e momento flettente in output dal software di calcolo per ogni combinazione di calcolo.

Si è accertato, in seguito, che i punti aventi le coordinate γeN, γeM rappresentativi degli effetti delle azioni di calcolo (cioè delle azioni di servizio moltiplicate per i correlativi coefficienti parziali di sicurezza γe), appartengano al dominio resistente, delimitato dalla curva di interazione M-N.

È stata eseguita, inoltre, la verifica nei confronti delle sollecitazioni taglianti della sezione in calcestruzzo armato dotata di specifica armatura a taglio (staffe Φ 16 / 20) (DM2008 – 4.1.2.1.3.2).

Per quanto riguarda le verifiche agli stati limite di esercizio, sono state monitorate sia le tensioni di esercizio nel calcestruzzo e nell'acciaio, sia le ampiezze delle aperture nel calcestruzzo fessurato.

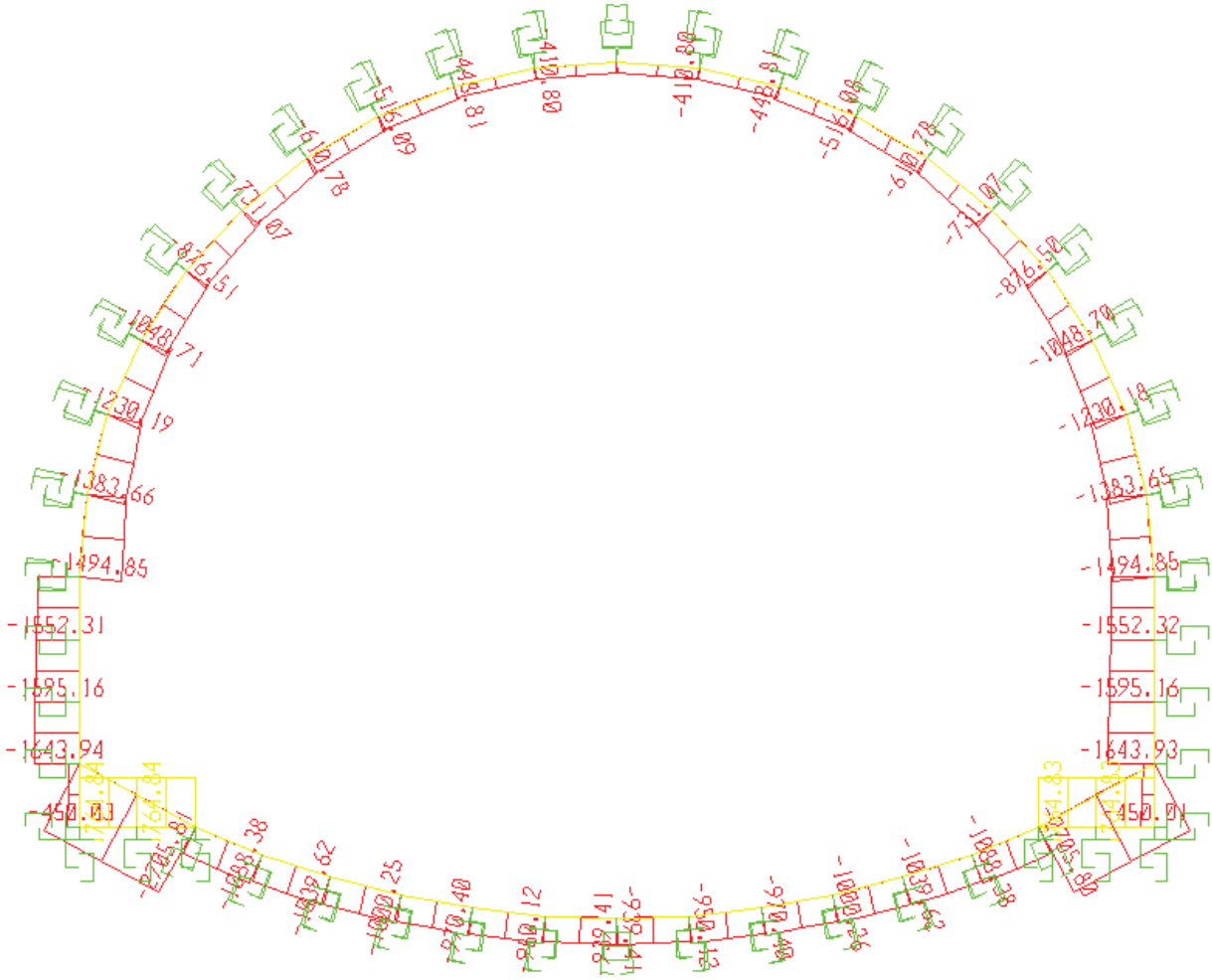



Diagramma azione assiale - SLE

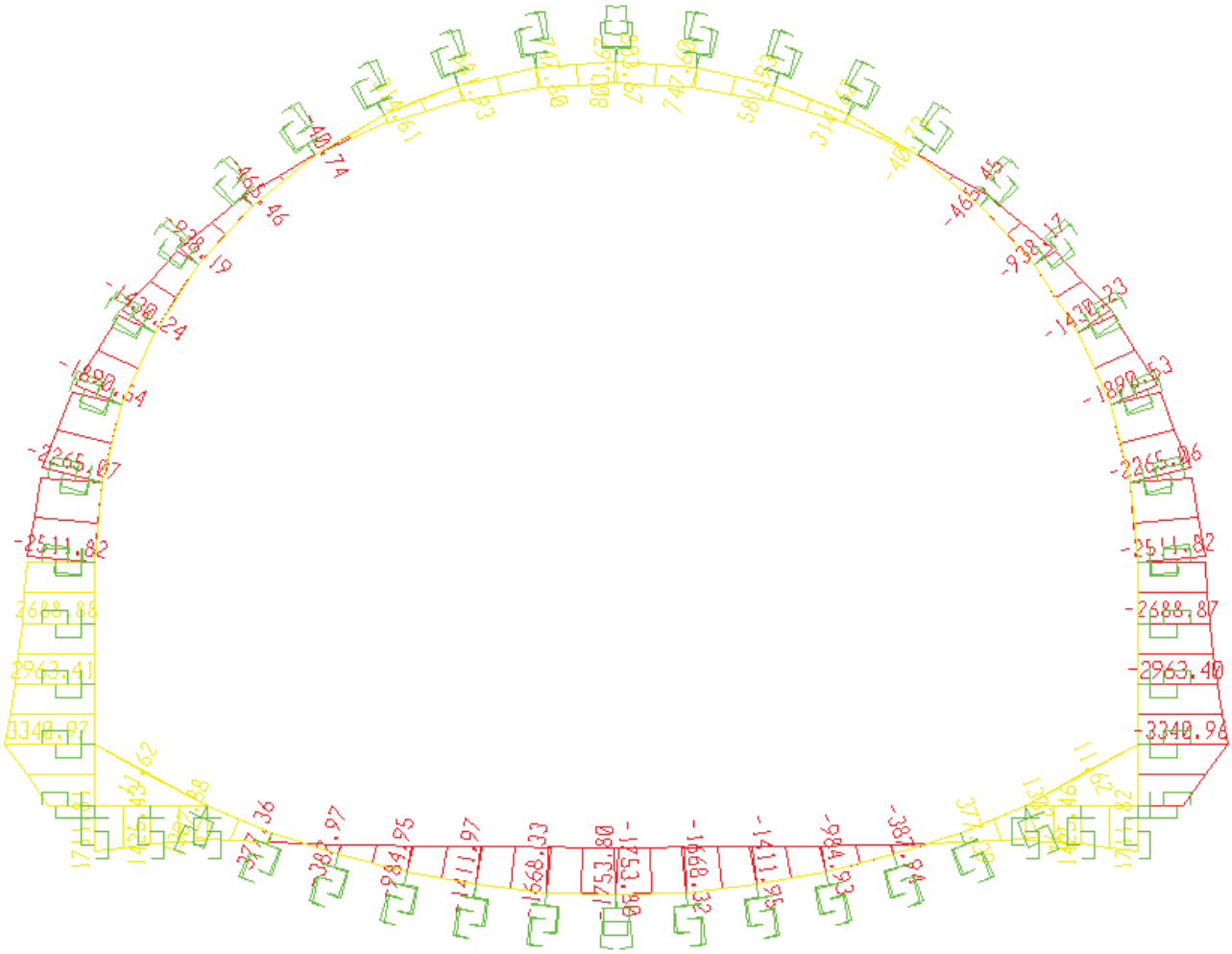



Diagramma momento flettente – SLE

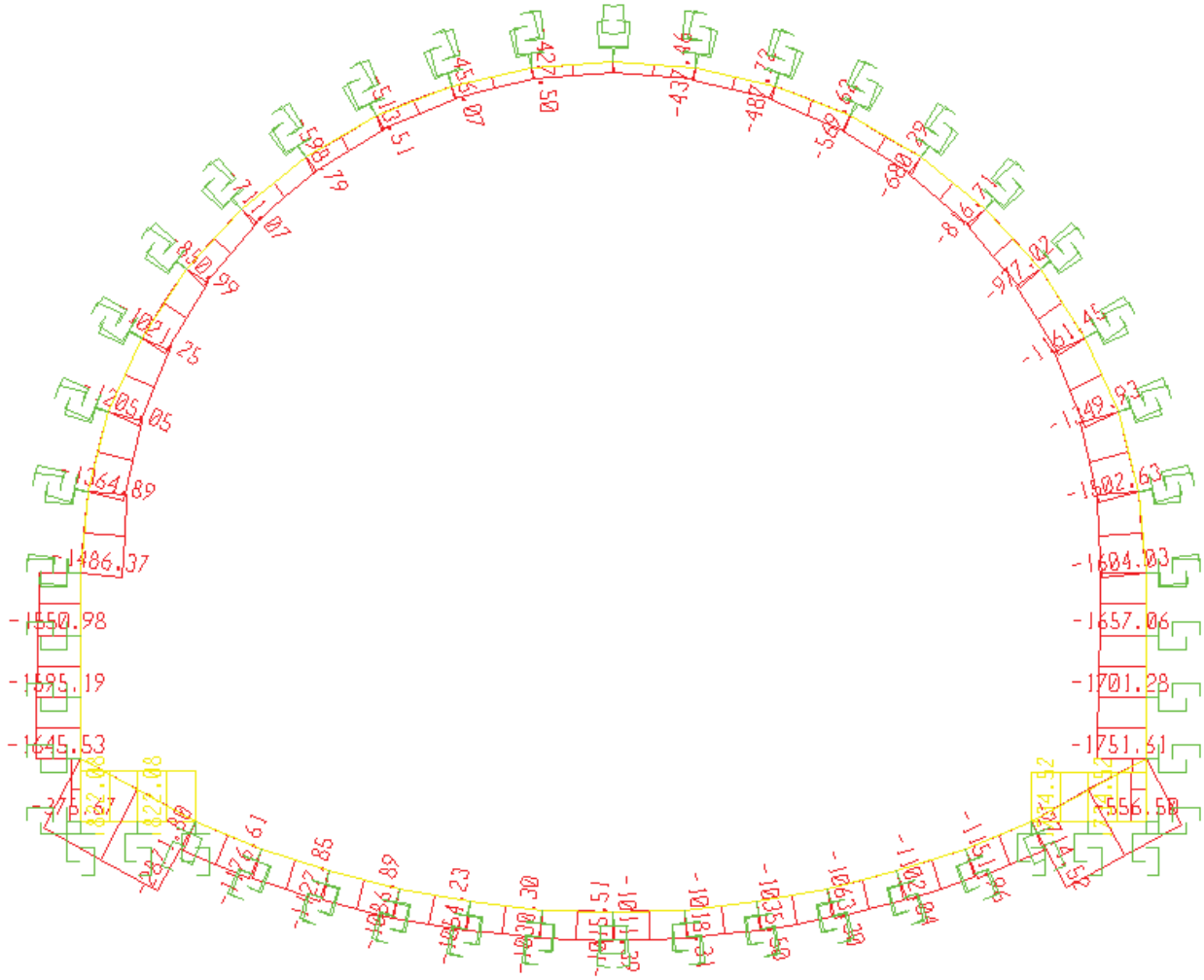



Diagramma azione assiale – SLE sisma down

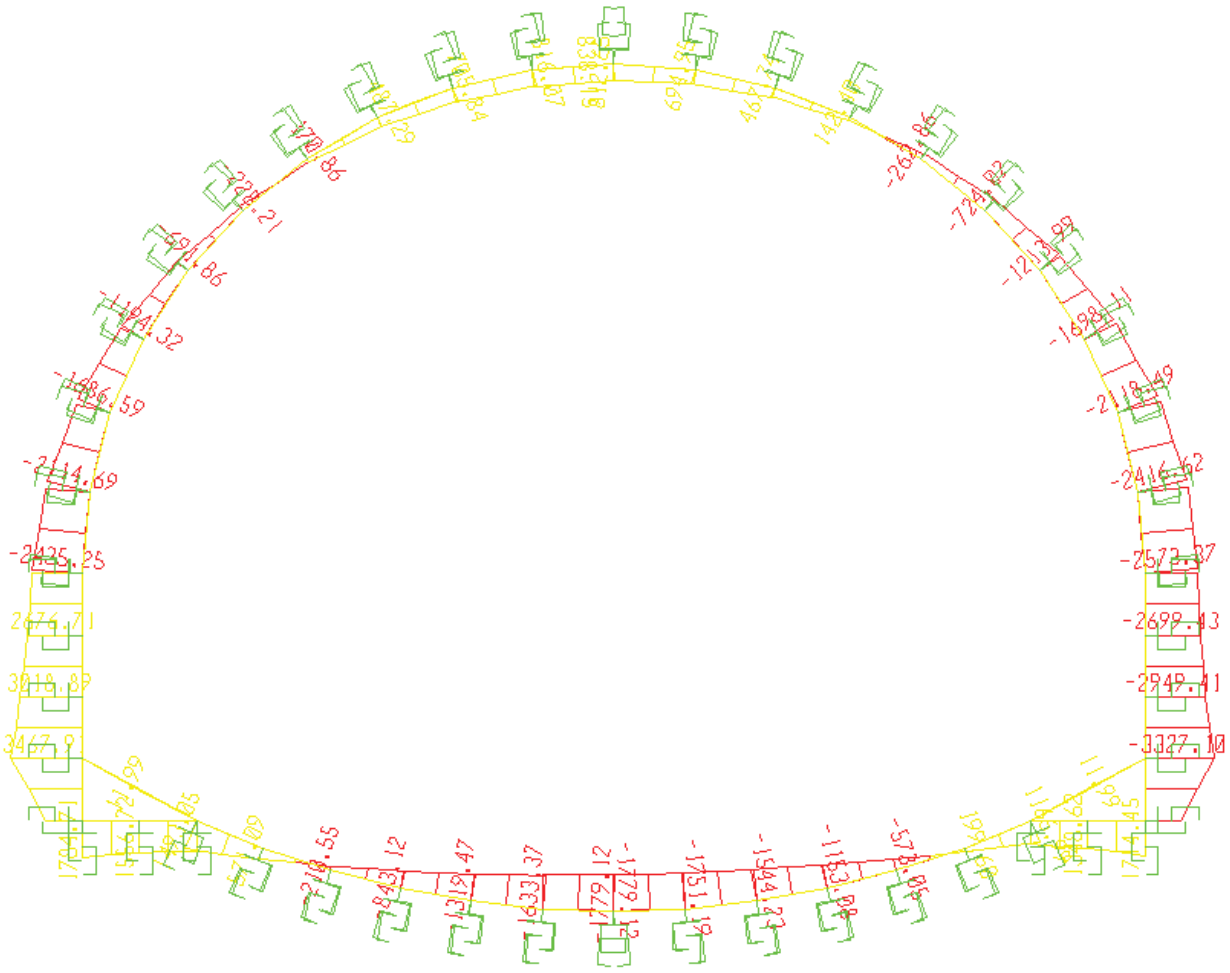


Diagramma momento flettente – SLE sisma down

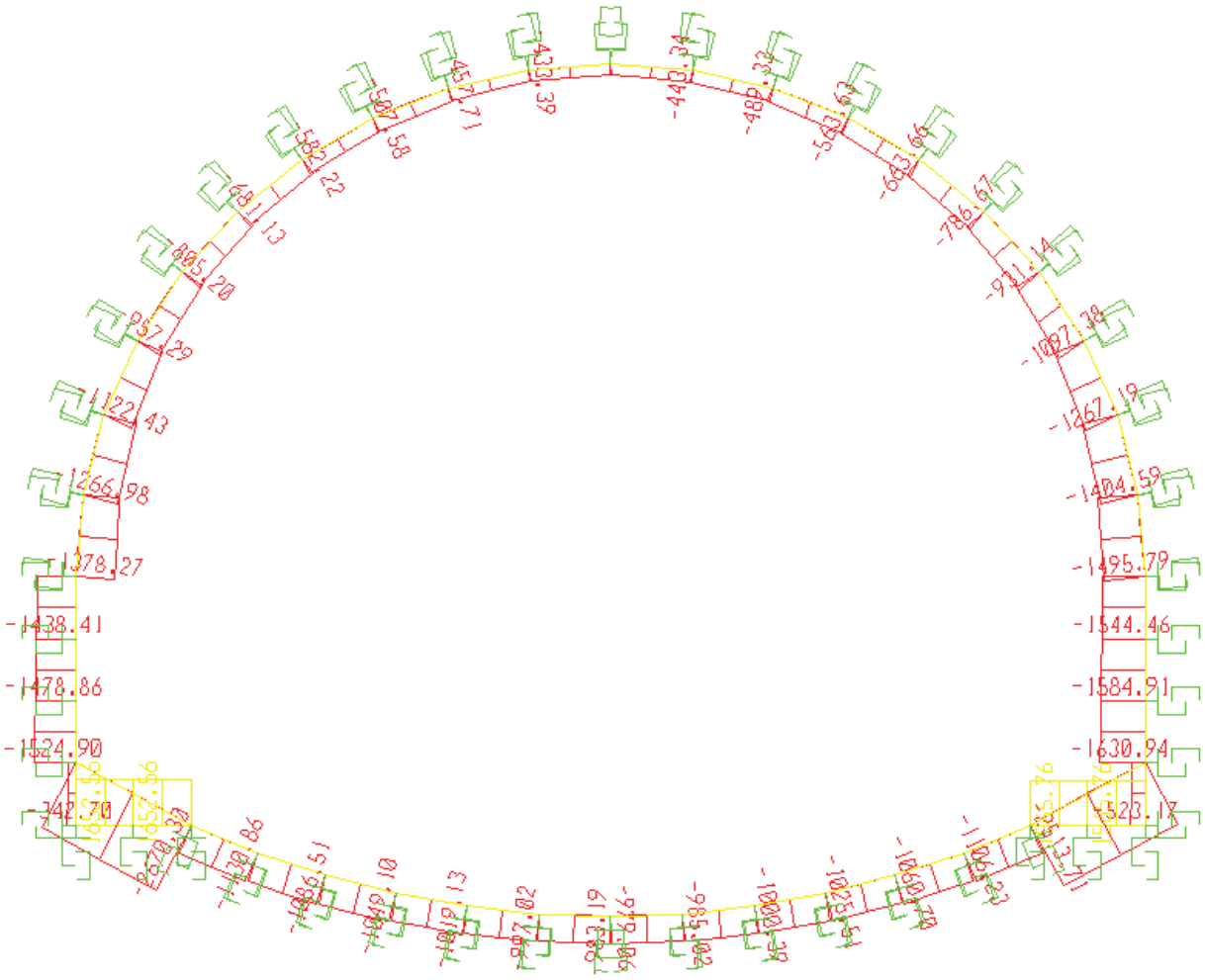



Diagramma azione assiale – SLE sisma up

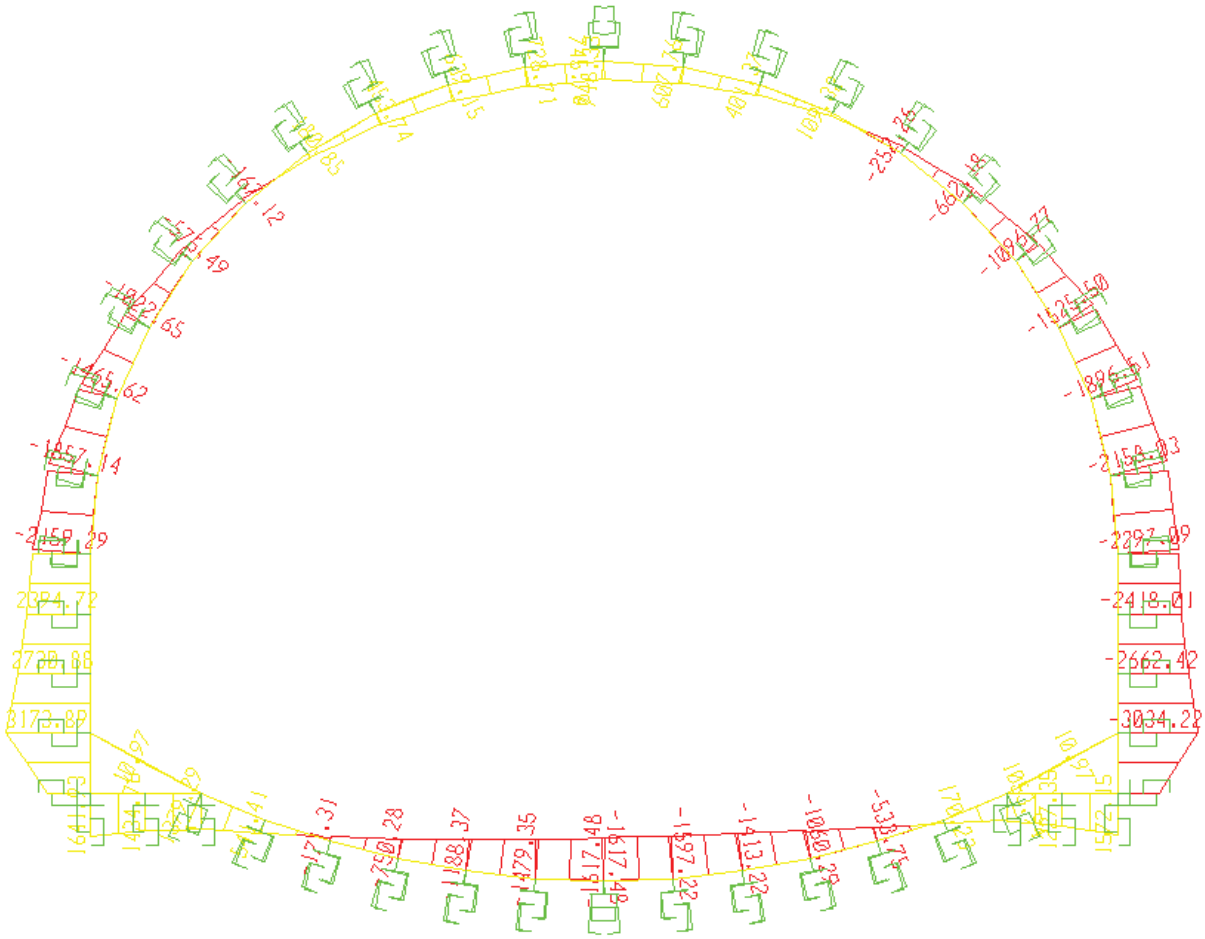


Diagramma momento flettente – SLE sisma up

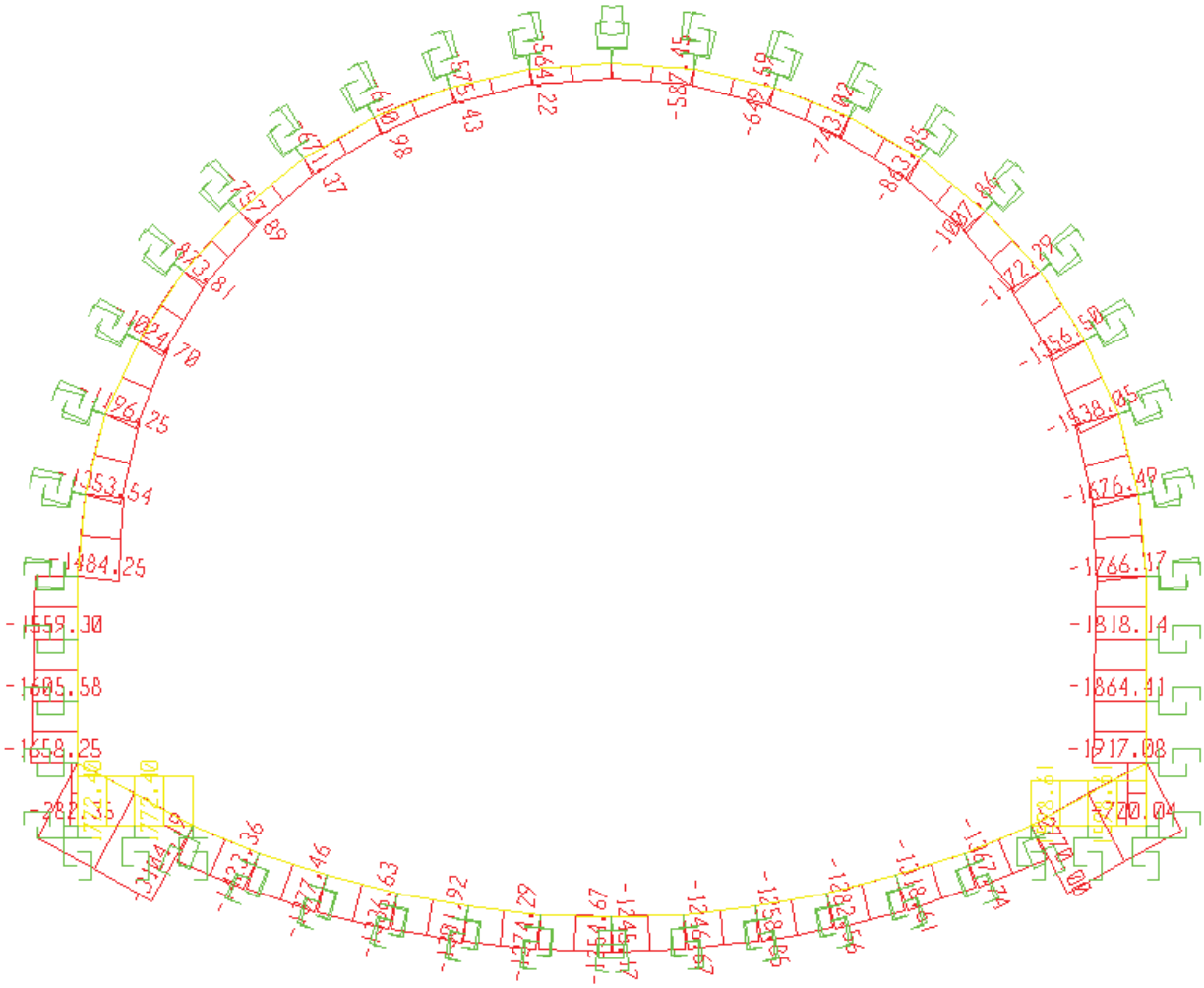



Diagramma azione assiale – SLU sisma down

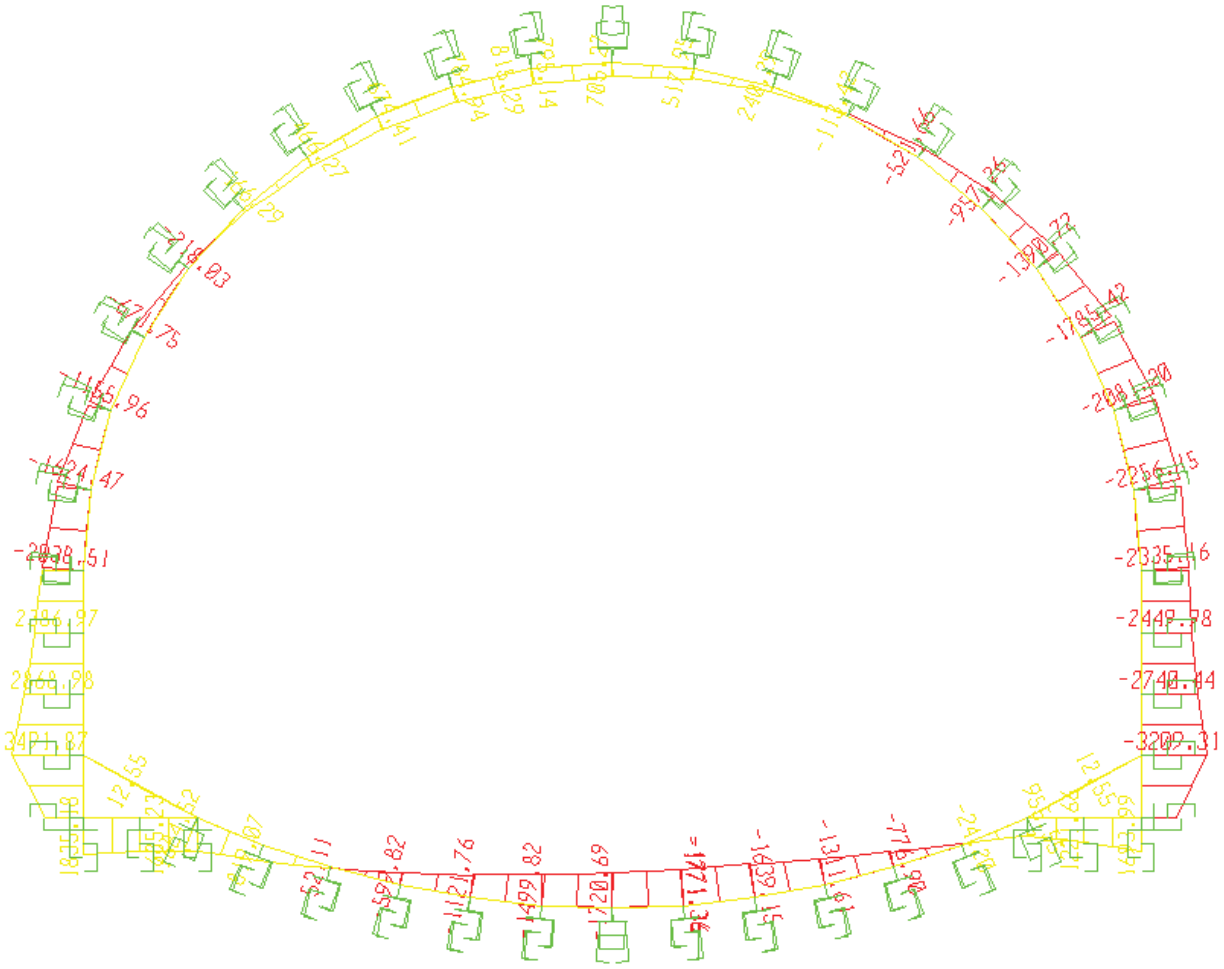
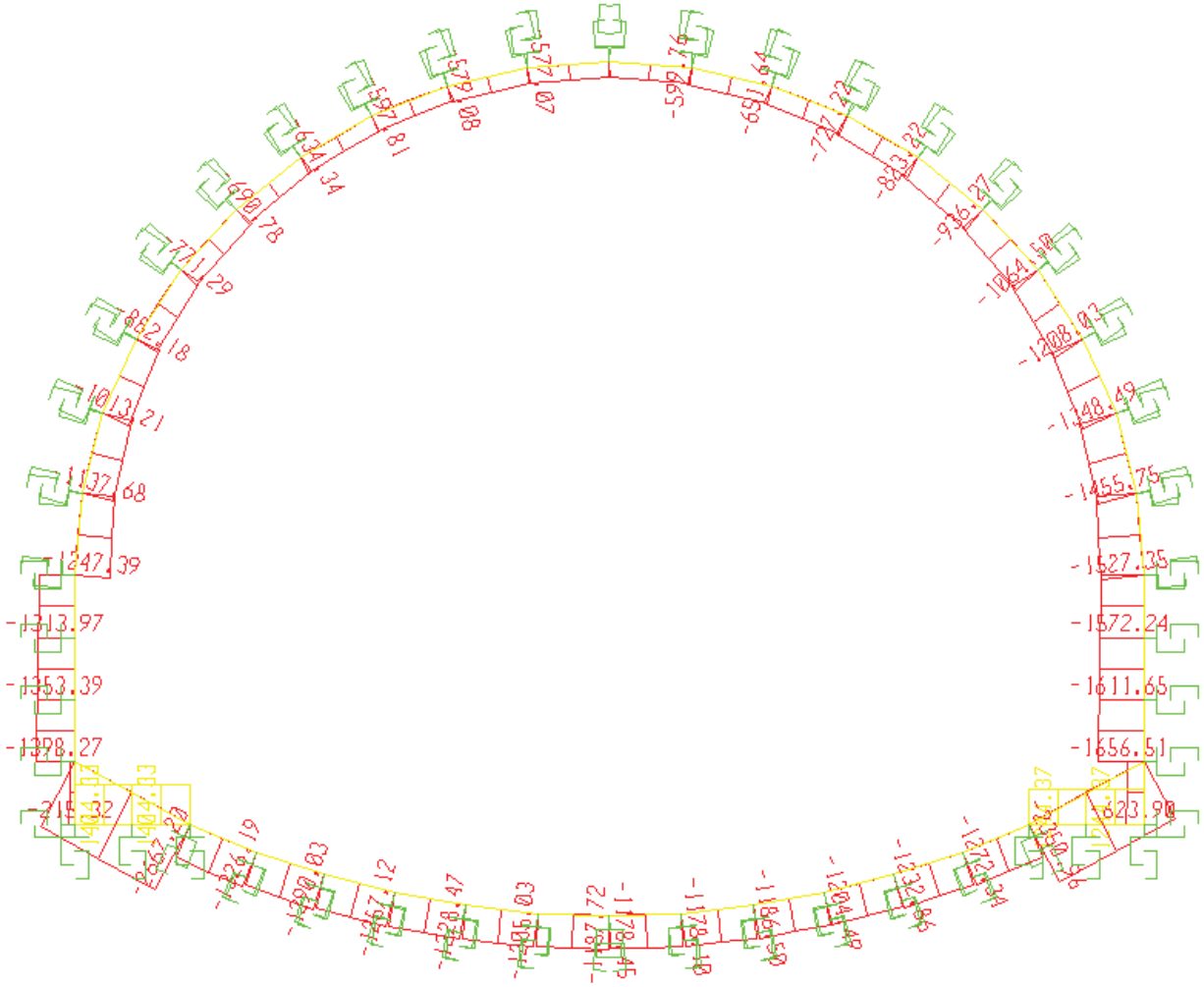


Diagramma momento flettente – SLU sisma down


-1313.97
-1353.39
-1392.81
-1432.23
-1471.65
-1511.07
-1550.49
-1589.91
-1629.33
-1668.75
-1708.17
-1747.59
-1787.01
-1826.43
-1865.85
-1905.27
-1944.69
-1984.11
-2023.53
-2062.95
-2102.37
-2141.79
-2181.21
-2220.63
-2260.05
-2299.47
-2338.89
-2378.31
-2417.73
-2457.15
-2496.57
-2535.99
-2575.41
-2614.83
-2654.25
-2693.67
-2733.09
-2772.51
-2811.93
-2851.35
-2890.77

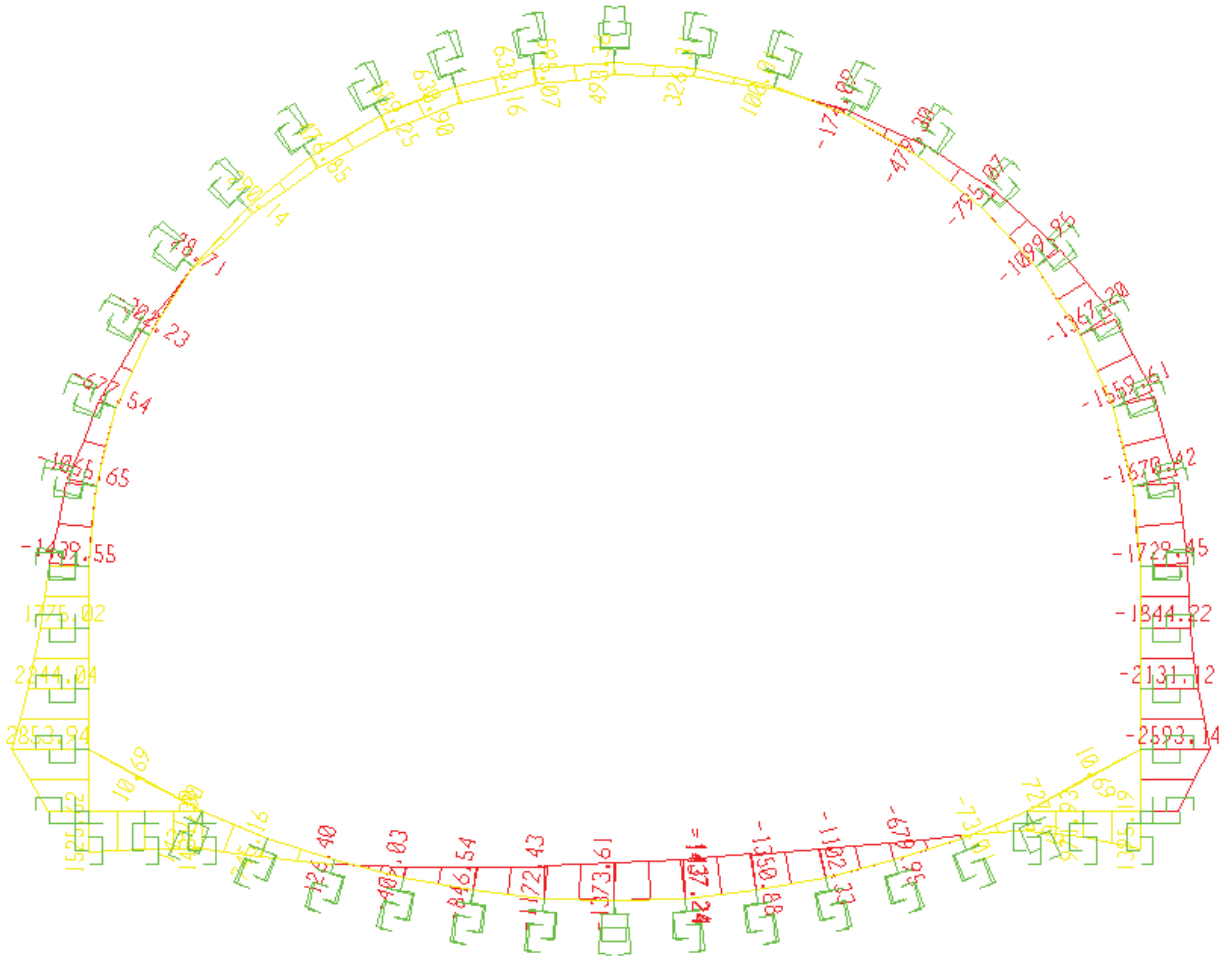


Diagramma momento flettente – SLU sisma up

| Combinazione 1 - SLE (no sisma) | | | | | | | | γe = 1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | γe N (kN) | γe M (kNm) | σt (MPa) | σc (MPa) | σs (MPa) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.25 | 403.00 | 803.00 | 403.00 | 803.00 | 2.35 | 4.90 | 201.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.47 | 788.00 | -465.00 | 788.00 | -465.00 | 0.62 | 1.99 | 24.00 |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.47 | 788.00 | -465.00 | 788.00 | -465.00 | 0.62 | 1.99 | 24.00 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.87 | 1428.00 | -2265.00 | 1428.00 | -2265.00 | 2.75 | 7.11 | 262.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.87 | 1428.00 | -2265.00 | 1428.00 | -2265.00 | 2.75 | 7.11 | 262.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.20 | 940.00 | 1752.00 | 940.00 | 1752.00 | 5.05 | 9.10 | 290.00 |

| Combinazione 2 - SLE (sisma verticale verso il basso) | | | | | | | | γe = 1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | γe N (kN) | γe M (kNm) | σt (MPa) | σc (MPa) | σs (MPa) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.25 | 420.00 | 812.00 | 420.00 | 812.00 | 2.37 | 4.92 | 202.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.47 | 766.00 | -228.00 | 766.00 | -228.00 | 0.06 | 1.00 | 0.40 |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.47 | 818.00 | -724.00 | 818.00 | -724.00 | 1.23 | 3.30 | 78.22 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.87 | 1419.00 | -2114.00 | 1419.00 | -2114.00 | 2.53 | 6.60 | 233.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.87 | 1503.00 | -2417.00 | 1503.00 | -2417.00 | 2.95 | 7.60 | 283.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.20 | 1011.00 | 1779.00 | 1011.00 | 1779.00 | 5.09 | 9.30 | 289.00 |

| Combinazione 3 - SLE (sisma verticale verso l'alto) | | | | | | | | γe = 1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | γe N (kN) | γe M (kNm) | σt (MPa) | σc (MPa) | σs (MPa) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.25 | 427.00 | 736.00 | 427.00 | 736.00 | 2.11 | 4.47 | 175.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.47 | 729.00 | -167.00 | 729.00 | -167.00 | - | 0.88 | - |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.47 | 787.00 | -662.00 | 787.00 | -662.00 | 1.10 | 3.00 | 66.80 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.87 | 1316.00 | -1857.00 | 1316.00 | -1857.00 | 2.18 | 5.79 | 195.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.87 | 1405.00 | -2158.00 | 1405.00 | -2158.00 | 2.60 | 6.77 | 244.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.20 | 979.00 | 1617.00 | 979.00 | 1617.00 | 4.58 | 8.45 | 257.00 |

**Calcolo apertura fessure**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sezione 100 x 125 | σtmax = | **2.35 Mpa** | Srm = | **17.24 cm** | wk = 1.7 Srm εsm = | **0.18 mm** | **<0.3mm** |
| | | | εsm = | **0.0006** | | | |
| Sezione 100 x 147 | σtmax = | **1.23 Mpa** | **< 2.13 Mpa** | No fessurazione | | | |
| Sezione 100 x 187 | σtmax = | **2.95 Mpa** | Srm = | **17.24 cm** | wk = 1.7 Srm εsm = | **0.2 mm** | **<0.4mm** |
| | | | εsm = | **0.0007** | | | |
| Sezione 100 x 120 | σtmax = | **5.05 Mpa** | Srm = | **12.65 cm** | wk = 1.7 Srm εsm = | **0.28 mm** | **<0.3mm** |
| | | | εsm = | **0.0013** | | | |
| Sezione 100 x 120 | σtmax = | **5.09 Mpa** | Srm = | **12.65 cm** | wk = 1.7 Srm εsm = | **0.26 mm** | **<0.4mm** |
| | | | εsm = | **0.0012** | | | |

**SLU** **γe M < Mrd** Staffe **Φ16 / 20**

| Combinazione 4 - SLU (A1+M1 - no sisma) | | | | | | | | | γe = 1.3 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | T (kN) | γe N (kN) | γe M (kNm) | γe T (kN) | Mrd (kNm) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.25 | 403.00 | 803.00 | 31.00 | 523.90 | 1043.90 | 40.30 | 1512.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.47 | 788.00 | -465.00 | 436.00 | 1024.40 | -604.50 | 566.80 | -2135.00 |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.47 | 788.00 | -465.00 | 436.00 | 1024.40 | -604.50 | 566.80 | -2135.00 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.87 | 1428.00 | -2265.00 | 382.00 | 1856.40 | -2944.50 | 496.60 | -3449.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.87 | 1428.00 | -2265.00 | 382.00 | 1856.40 | -2944.50 | 496.60 | -3449.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.20 | 940.00 | 1752.00 | 98.00 | 1222.00 | 2277.60 | 127.40 | 2505.00 |

| Combinazione 5 - SLU (A2+M2 - sisma verticale verso il basso) | | | | | | | | | γe = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | T (kN) | γe N (kN) | γe M (kNm) | γe T (kN) | Mrd (kNm) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.25 | 558.00 | 705.00 | 160.00 | 558.00 | 705.00 | 160.00 | 1531.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.47 | 801.00 | 166.00 | 346.00 | 801.00 | 166.00 | 346.00 | 1985.00 |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.47 | 1172.00 | -957.00 | 446.00 | 1172.00 | -957.00 | 446.00 | -2233.00 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.87 | 1416.00 | -1624.00 | 489.00 | 1416.00 | -1624.00 | 489.00 | -3090.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.87 | 1676.00 | -2256.00 | 207.00 | 1676.00 | -2256.00 | 207.00 | -3304.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.20 | 1245.00 | 1721.00 | 229.00 | 1245.00 | 1721.00 | 229.00 | 2517.00 |

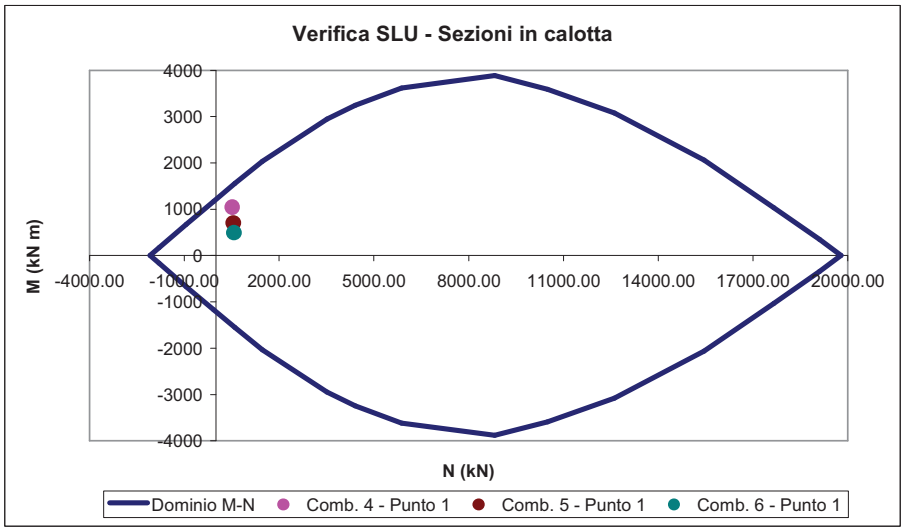
| Combinazione 6 - SLU (A2+M2 - sisma verticale verso l'alto) | | | | | | | | | γe = 1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| punti | frame | posizione | As | As' | h sez (m) | N (kN) | M (kNm) | T (kN) | γe N (kN) | γe M (kNm) | γe T (kN) | Mrd (kNm) |
| 1 | 14-15 | calotta | Φ26/20 | Φ26/20 | 1.25 | 574.00 | 493.00 | 157.00 | 574.00 | 493.00 | 157.00 | 1540.00 |
| 2 | 9-10 | rene sx | Φ26/20 | Φ26/20 | 1.47 | 719.00 | 290.00 | 310.00 | 719.00 | 290.00 | 310.00 | 1930.00 |
| 3 | 19-20 | renedx | Φ26/20 | Φ26/20 | 1.47 | 936.00 | -795.00 | 335.00 | 936.00 | -795.00 | 335.00 | -2076.00 |
| 4 | 5-6 | piedritto sx | Φ26/20 | Φ26/20 | 1.87 | 1192.00 | -1065.00 | 419.00 | 1192.00 | -1065.00 | 419.00 | -2900.00 |
| 5 | 23-24 | piedritto dx | Φ26/20 | Φ26/20 | 1.87 | 1456.00 | -1670.00 | 151.00 | 1456.00 | -1670.00 | 151.00 | -3123.00 |
| 6 | 36-37 | arco rovescio | Φ26/12.5 | Φ26/12.5 | 1.20 | 1178.00 | 1374.00 | 208.00 | 1178.00 | 1374.00 | 208.00 | 2482.00 |

**SLU - Sezioni in calotta**

| | |
|---|---|
| **h sez (m)** | 1.25 |
| **As** | Φ26 / 20 |
| **As'** | Φ26 / 20 |

**Punti del dominio N-M**

| MRd | N | -N |
|---|---|---|
| -2077.80 | 0 | 0 |
| -1800.53 | 165.176 | -165.176 |
| -934.02 | 671.672 | -671.672 |
| -67.88 | 1172.78 | -1172.78 |
| 603.35 | 1556.62 | -1556.62 |
| 1472.11 | 2036.09 | -2036.09 |
| 3524.40 | 2946.91 | -2946.91 |
| 4406.80 | 3244.63 | -3244.63 |
| 5879.15 | 3615.66 | -3615.66 |
| 8829.89 | 3885.99 | -3885.99 |
| 10497.80 | 3591.67 | -3591.67 |
| 12612.40 | 3077.26 | -3077.26 |
| 15452.20 | 2060.53 | -2060.53 |
| 17655.60 | 1034.62 | -1034.62 |
| 19109.30 | 343.343 | -343.343 |
| 19790.30 | 0 | 0 |

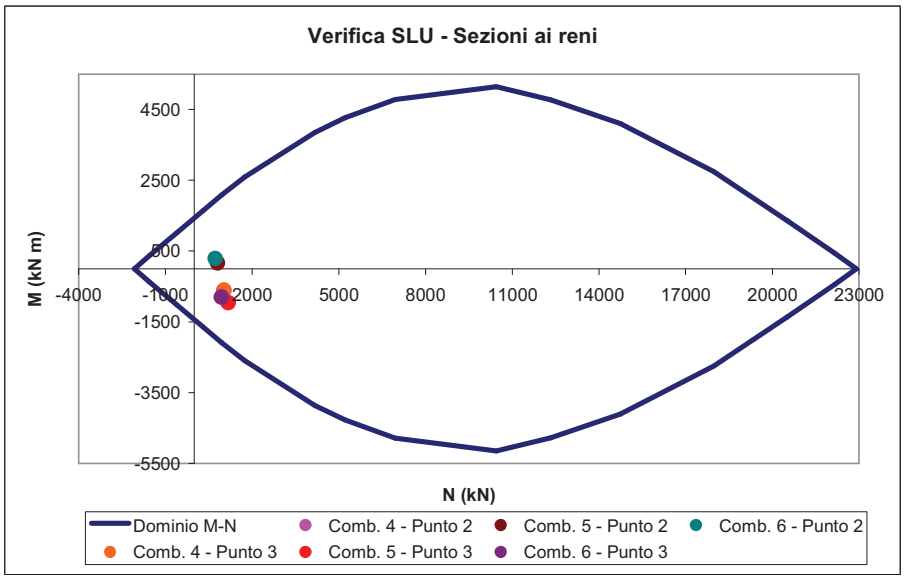



**SLU - Sezioni ai reni**

| | |
|---|---|
| **h sez (m)** | 1.47 |
| **As** | Φ26 / 20 |
| **As'** | Φ26 / 20 |

**Punti del dominio N-M**

| MRd | N | -N |
|---|---|---|
| -2077.8 | 0 | 0 |
| -1539.86 | 375.04 | -375.04 |
| -619.421 | 1014.13 | -1014.13 |
| 300.79 | 1645.84 | -1645.84 |
| 952.006 | 2086.26 | -2086.26 |
| 1741.92 | 2593.39 | -2593.39 |
| 4170.52 | 3857.7 | -3857.7 |
| 5214.72 | 4269.81 | -4269.81 |
| 6956.97 | 4781.38 | -4781.38 |
| 10448.7 | 5143.9 | -5143.9 |
| 12333.1 | 4774.22 | -4774.22 |
| 14733 | 4102.81 | -4102.81 |
| 17964.7 | 2750.98 | -2750.98 |
| 20501.7 | 1365.9 | -1365.9 |
| 22157.1 | 443.631 | -443.631 |
| 22907.7 | -0.006939 | 0.00693863 |

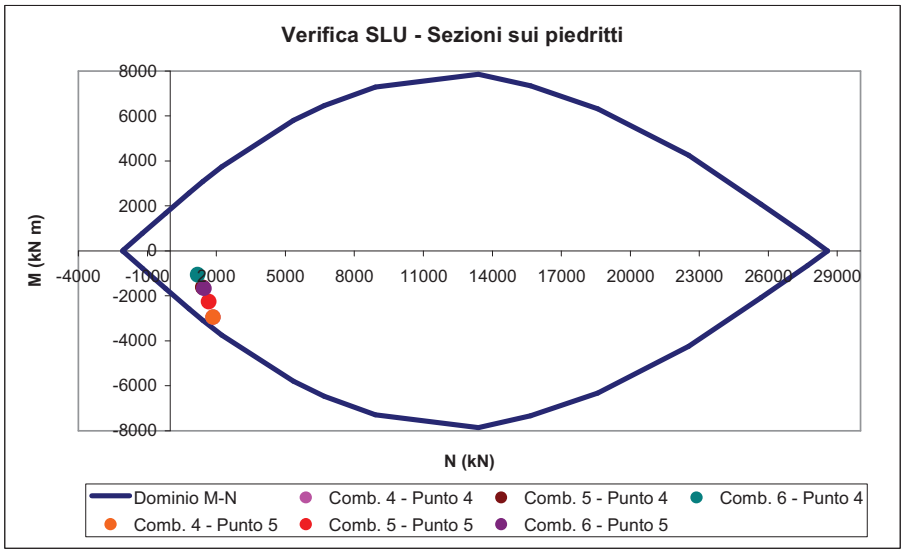


**SLU - Sezioni sui piedritti**

| | |
|---|---|
| **h sez (m)** | 1.87 |
| **As** | Φ26 / 20 |
| **As'** | Φ26 / 20 |

**Punti del dominio N-M**

| MRd | N | -N |
|---|---|---|
| -2077.8 | 0 | 0 |
| -2023.59 | 47.9825 | -47.9825 |
| -1211.69 | 774.317 | -774.317 |
| -195.691 | 1681.76 | -1681.76 |
| 820.376 | 2577.41 | -2577.41 |
| 1413.17 | 3087.41 | -3087.41 |
| 2232.49 | 3745.19 | -3745.19 |
| 5345.31 | 5800.28 | -5800.28 |
| 6683.64 | 6467.85 | -6467.85 |
| 8916.66 | 7292.48 | -7292.48 |
| 13392 | 7856.51 | -7856.51 |
| 15672 | 7332.59 | -7332.59 |
| 18592.7 | 6325.82 | -6325.82 |
| 22539.7 | 4245.7 | -4245.7 |
| 25680.9 | 2074.7 | -2074.7 |
| 27700.6 | 652.652 | -652.652 |
| 28575.7 | -0.009863 | 0.00986252 |

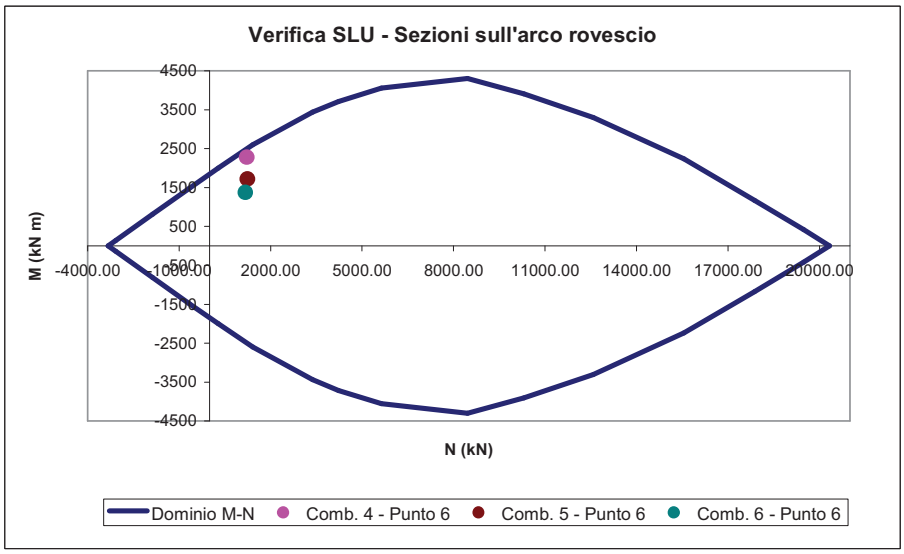



**SLU - Sezione sull'arco rovescio**

| | |
|---|---|
| **h sez (m)** | 1.20 |
| **As** | Φ26 / 12.5 |
| **As'** | Φ26 / 12.5 |

**Punti del dominio N-M**

| MRd | N | -N |
|---|---|---|
| -3323.7 | 0 | 0 |
| -3074.41 | 142.665 | -142.665 |
| -1865.04 | 815.938 | -815.938 |
| -656.095 | 1484.23 | -1484.23 |
| 287.708 | 2001.87 | -2001.87 |
| 1410.79 | 2602.21 | -2602.21 |
| 3377.55 | 3440.76 | -3440.76 |
| 4223.19 | 3715.06 | -3715.06 |
| 5634.18 | 4057.29 | -4057.29 |
| 8461.98 | 4308.5 | -4308.5 |
| 10304 | 3907.66 | -3907.66 |
| 12577 | 3303.5 | -3303.5 |
| 15551.1 | 2233.74 | -2233.74 |
| 17875.3 | 1173.97 | -1173.97 |
| 19479.8 | 422.62 | -422.62 |
| 20327.7 | 0 | 0 |



**SLU** **Verifica a taglio** **$V_{Rd} \geq V_{Ed}$** **Staffe Φ16/20**

Taglio massimo **$V_{Ed}$ = 160 kN**

Resistenza di calcolo staffe

$$V_{Rd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\cot \alpha + \cot \theta) \cdot \sin \alpha$$

| | | | |
|---|---|---|---|
| d = | 1200 mm | altezza utile sezione | |
| $A_{sw}$ = | 201 $mm^2$ | area staffe (1Φ16 a 2 bracci) | (staffe Φ16/20) |
| s = | 200 mm | interasse staffe | |
| $f_{yd}$ = | 391.30 MPa | tensione di snervamento di calcolo | |
| α = | 90 ° | inclinazione delle staffe rispetto all'asse de lla sezione | |
| θ = | 45 ° | inclinazione dei puntoni di cls rispetto all'ass e della sezione | |

**$V_{Rd}$ = 849 kN**

**SLU** **Verifica a taglio** **$V_{Rd} \geq V_{Ed}$** **Staffe Φ16/20**

Taglio massimo **$V_{Ed}$ = 557 kN**

Resistenza di calcolo staffe

$$V_{Rd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\cot \alpha + \cot \theta) \cdot \sin \alpha$$

| | | | |
|---|---|---|---|
| d = | 1420 mm | altezza utile sezione | |
| $A_{sw}$ = | 201 $mm^2$ | area staffe (1Φ16 a 2 bracci) | (staffe Φ16/20) |
| s = | 200 mm | interasse staffe | |
| $f_{yd}$ = | 391.30 MPa | tensione di snervamento di calcolo | |
| α = | 90 ° | inclinazione delle staffe rispetto all'asse de lla sezione | |
| θ = | 45 ° | inclinazione dei puntoni di cls rispetto all'ass e della sezione | |

**$V_{Rd}$ = 1005 kN**

**SLU** **Verifica a taglio** **$V_{Rd} \geq V_{Ed}$** **Staffe Φ16/20**

Taglio massimo **$V_{Ed}$ = 496 kN**

Resistenza di calcolo staffe

$$V_{Rd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\cot \alpha + \cot \theta) \cdot \sin \alpha$$

| | | | |
|---|---|---|---|
| d = | 1820 mm | altezza utile sezione | |
| $A_{sw}$ = | 201 $mm^2$ | area staffe (1Φ16 a 2 bracci) | (staffe Φ16/20) |
| s = | 200 mm | interasse staffe | |
| $f_{yd}$ = | 391.30 MPa | tensione di snervamento di calcolo | |
| α = | 90 ° | inclinazione delle staffe rispetto all'asse de lla sezione | |
| θ = | 45 ° | inclinazione dei puntoni di cls rispetto all'ass e della sezione | |

**$V_{Rd}$ = 1288 kN**

**SLU** **Verifica a taglio** **$V_{Rd} \geq V_{Ed}$** **Staffe Φ16/20**

Taglio massimo **$V_{Ed}$ = 229 kN**

Resistenza di calcolo staffe

$$V_{Rd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\cot \alpha + \cot \theta) \cdot \sin \alpha$$

| | | | |
|---|---|---|---|
| d = | 1150 mm | altezza utile sezione | |
| $A_{sw}$ = | 201 $mm^2$ | area staffe (1Φ16 a 2 bracci) | (staffe Φ16/20) |
| s = | 200 mm | interasse staffe | |
| $f_{yd}$ = | 391.30 MPa | tensione di snervamento di calcolo | |
| α = | 90 ° | inclinazione delle staffe rispetto all'asse de lla sezione | |
| θ = | 45 ° | inclinazione dei puntoni di cls rispetto all'ass e della sezione | |

**$V_{Rd}$ = 814 kN**

# 8 ALLEGATI DI CALCOLO CARR. SX (R=6.45M)

## Table: Active Degrees of Freedom

**Table: Active Degrees of Freedom**

| UX | UY | UZ | RX | RY | RZ |
|---|---|---|---|---|---|
| Yes | Yes | Yes | Yes | Yes | Yes |

## Table: Analysis Options

**Table: Analysis Options**

| Solver | SolverProc | Force32Bit | StiffCase | GeomMod |
|---|---|---|---|---|
| Advanced | Auto | No | None | No |

## Table: Assembled Joint Masses

**Table: Assembled Joint Masses**

| Joint | U1 | U2 | U3 | R1 | R2 | R3 |
|---|---|---|---|---|---|---|
| | KN-s2/m | KN-s2/m | KN-s2/m | KN-m-s2 | KN-m-s2 | KN-m-s2 |
| 1 | 3.87 | 3.87 | 3.87 | 0.0000 | 0.0000 | 0.0000 |
| 2 | 6.87 | 6.87 | 6.87 | 0.0000 | 0.0000 | 0.0000 |
| 3 | 3.12 | 3.12 | 3.12 | 0.0000 | 0.0000 | 0.0000 |
| 4 | 2.76 | 2.76 | 2.76 | 0.0000 | 0.0000 | 0.0000 |
| 5 | 3.05 | 3.05 | 3.05 | 0.0000 | 0.0000 | 0.0000 |
| 6 | 3.75 | 3.75 | 3.75 | 0.0000 | 0.0000 | 0.0000 |
| 7 | 4.68 | 4.68 | 4.68 | 0.0000 | 0.0000 | 0.0000 |
| 8 | 5.76 | 5.76 | 5.76 | 0.0000 | 0.0000 | 0.0000 |
| 9 | 5.30 | 5.30 | 5.30 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 4.22 | 4.22 | 4.22 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 3.56 | 3.56 | 3.56 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 3.40 | 3.40 | 3.40 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 3.38 | 3.38 | 3.38 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 3.38 | 3.38 | 3.38 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 3.38 | 3.38 | 3.38 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 3.38 | 3.38 | 3.38 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3.38 | 3.38 | 3.38 | 0.0000 | 0.0000 | 0.0000 |
| 18 | 3.40 | 3.40 | 3.40 | 0.0000 | 0.0000 | 0.0000 |
| 19 | 3.56 | 3.56 | 3.56 | 0.0000 | 0.0000 | 0.0000 |
| 20 | 4.22 | 4.22 | 4.22 | 0.0000 | 0.0000 | 0.0000 |
| 21 | 5.30 | 5.30 | 5.30 | 0.0000 | 0.0000 | 0.0000 |
| 22 | 5.76 | 5.76 | 5.76 | 0.0000 | 0.0000 | 0.0000 |
| 23 | 4.68 | 4.68 | 4.68 | 0.0000 | 0.0000 | 0.0000 |
| 24 | 3.75 | 3.75 | 3.75 | 0.0000 | 0.0000 | 0.0000 |
| 25 | 3.05 | 3.05 | 3.05 | 0.0000 | 0.0000 | 0.0000 |
| 26 | 2.76 | 2.76 | 2.76 | 0.0000 | 0.0000 | 0.0000 |
| 27 | 3.12 | 3.12 | 3.12 | 0.0000 | 0.0000 | 0.0000 |
| 28 | 6.87 | 6.87 | 6.87 | 0.0000 | 0.0000 | 0.0000 |
| 29 | 3.87 | 3.87 | 3.87 | 0.0000 | 0.0000 | 0.0000 |
| 30 | 2.29 | 2.29 | 2.29 | 0.0000 | 0.0000 | 0.0000 |
| 31 | 4.94 | 4.94 | 4.94 | 0.0000 | 0.0000 | 0.0000 |
| 32 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |
| 33 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |
| 34 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |
| 35 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |
| 36 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |
| 37 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |
| 38 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |

**Table: Assembled Joint Masses**

| Joint | U1 | U2 | U3 | R1 | R2 | R3 |
|---|---|---|---|---|---|---|
| | KN-s2/m | KN-s2/m | KN-s2/m | KN-m-s2 | KN-m-s2 | KN-m-s2 |
| 39 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |
| 40 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |
| 41 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |
| 42 | 2.30 | 2.30 | 2.30 | 0.0000 | 0.0000 | 0.0000 |
| 43 | 4.94 | 4.94 | 4.94 | 0.0000 | 0.0000 | 0.0000 |
| 44 | 2.29 | 2.29 | 2.29 | 0.0000 | 0.0000 | 0.0000 |

## Table: Auto Wave 3 - Wave Characteristics - General

**Table: Auto Wave 3 - Wave Characteristics - General**

| WaveChar | WaveType | KinFactor | SWaterDepth | WaveHeight | WavePeriod | WaveTheory |
|---|---|---|---|---|---|---|
| | | | m | m | Sec | |
| Default | From Theory | 1.000000 | 1800.00000 | 720.00000 | 12.0000 | Linear |

## Table: Base Reactions, Part 1 of 3

**Table: Base Reactions, Part 1 of 3**

| OutputCase | CaseType | StepType | GlobalFX | GlobalFY | GlobalFZ | GlobalMX | GlobalMY | GlobalMZ |
|---|---|---|---|---|---|---|---|---|
| | | | KN | KN | KN | KN-m | KN-m | KN-m |
| SLE | NonStatic | Max | 7.610E-10 | 0.000 | 3246.475 | 0.0000 | 0.0000 | 0.0000 |
| SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | -85858.0538 | 0.0000 |
| SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 3387.966 | 0.0000 | 0.0000 | 0.0000 |
| SLE_SISMA_DOWN | NonStatic | Min | -235.320 | 0.000 | 0.000 | 0.0000 | -94077.0760 | 0.0000 |
| SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 3105.241 | 0.0000 | 0.0000 | 0.0000 |
| SLE_SISMA_UP | NonStatic | Min | -235.327 | 0.000 | 0.000 | 0.0000 | -86600.1212 | 0.0000 |
| SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 3585.477 | 0.0000 | 0.0000 | 0.0000 |
| SLU_SISMA_DOWN | NonStatic | Min | -585.564 | 0.000 | 0.000 | 0.0000 | -105964.149 | 0.0000 |
| SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 2907.731 | 0.0000 | 0.0000 | 0.0000 |
| SLU_SISMA_UP | NonStatic | Min | -585.564 | 0.000 | 0.000 | 0.0000 | -88040.1009 | 0.0000 |

## Table: Base Reactions, Part 2 of 3

**Table: Base Reactions, Part 2 of 3**

| OutputCase | StepType | GlobalX | GlobalY | GlobalZ | XCentroidFX | YCentroidFX | ZCentroidFX | XCentroidFY |
|---|---|---|---|---|---|---|---|---|
| | | m | m | m | m | m | m | m |
| SLE | Max | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 11.88937 | 0.00000 |
| SLE | Min | 0.00000 | 0.00000 | 0.00000 | -3.142E+12 | 0.00000 | 0.00000 | 0.00000 |
| SLE_SISMA_DOWN | Max | 0.00000 | 0.00000 | 0.00000 | 40.46103 | 0.00000 | 15.61579 | 0.00000 |
| SLE_SISMA_DOWN | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLE_SISMA_UP | Max | 0.00000 | 0.00000 | 0.00000 | 39.76695 | 0.00000 | 15.61412 | 0.00000 |
| SLE_SISMA_UP | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLU_SISMA_DOWN | Max | 0.00000 | 0.00000 | 0.00000 | 35.80781 | 0.00000 | 15.95086 | 0.00000 |
| SLU_SISMA_DOWN | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

**Table: Base Reactions, Part 2 of 3**

| OutputCase | StepType | GlobalX | GlobalY | GlobalZ | XCentroidFX | YCentroidFX | ZCentroidFX | XCentroidFY |
|---|---|---|---|---|---|---|---|---|
| | | m | m | m | m | m | m | m |
| SLU_SISMA_UP | Max | 0.00000 | 0.00000 | 0.00000 | 35.16193 | 0.00000 | 16.08493 | 0.00000 |
| SLU_SISMA_UP | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## Table: Base Reactions, Part 3 of 3

**Table: Base Reactions, Part 3 of 3**

| OutputCase | StepType | YCentroidFY | ZCentroidFY | XCentroidFZ | YCentroidFZ | ZCentroidFZ |
|---|---|---|---|---|---|---|
| | | m | m | m | m | m |
| SLE | Max | 0.00000 | 0.00000 | 26.44655 | 0.00000 | 13.16323 |
| SLE | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLE_SISMA_DOWN | Max | 0.00000 | 0.00000 | 26.68338 | 0.00000 | 13.15877 |
| SLE_SISMA_DOWN | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLE_SISMA_UP | Max | 0.00000 | 0.00000 | 26.70512 | 0.00000 | 13.15761 |
| SLE_SISMA_UP | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLU_SISMA_DOWN | Max | 0.00000 | 0.00000 | 26.94869 | 0.00000 | 13.12636 |
| SLU_SISMA_DOWN | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLU_SISMA_UP | Max | 0.00000 | 0.00000 | 27.03873 | 0.00000 | 13.09974 |
| SLU_SISMA_UP | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## Table: Bridge Design Preferences - AASHTOLRFD07

**Table: Bridge Design Preferences - AASHTOLRFD07**

| HingeOpt |
|---|
| Auto: AASHTO/Caltrans Hinge |

## Table: Case - Static 1 - Load Assignments

**Table: Case - Static 1 - Load Assignments**

| Case | LoadType | LoadName | LoadSF |
|---|---|---|---|
| SLE | Load pattern | DEAD | 1.000000 |
| SLE | Load pattern | PHDX_SLE | 1.000000 |
| SLE | Load pattern | PHSX_SLE | 1.000000 |
| SLE | Load pattern | PV_SLE | 1.000000 |
| SLE_SISMA_DOWN | Load pattern | DEAD_SLE_SISMA_DOWN | 1.000000 |
| SLE_SISMA_DOWN | Load pattern | PV_SLE_SISMA_DOWN | 1.000000 |
| SLE_SISMA_DOWN | Load pattern | PHSX_SLE_SISMA | 1.000000 |
| SLE_SISMA_DOWN | Load pattern | PHDX_SLE_SISMA | 1.000000 |
| SLE_SISMA_UP | Load pattern | DEAD_SLE_SISMA_UP | 1.000000 |
| SLE_SISMA_UP | Load pattern | PV_SLE_SISMA_UP | 1.000000 |

**Table: Case - Static 1 - Load Assignments**

| Case | LoadType | LoadName | LoadSF |
|---|---|---|---|
| SLE_SISMA_UP | Load pattern | PHSX_SLE_SISMA | 1.000000 |
| SLE_SISMA_UP | Load pattern | PHDX_SLE_SISMA | 1.000000 |
| SLU_SISMA_DOWN | Load pattern | DEAD_SLU_SISMA_DOWN | 1.000000 |
| SLU_SISMA_DOWN | Load pattern | PV_SLU_SISMA_DOWN | 1.000000 |
| SLU_SISMA_DOWN | Load pattern | PHSX_SLU_SISMA | 1.000000 |
| SLU_SISMA_DOWN | Load pattern | PHDX_SLU_SISMA | 1.000000 |
| SLU_SISMA_UP | Load pattern | DEAD_SLU_SISMA_UP | 1.000000 |
| SLU_SISMA_UP | Load pattern | PV_SLU_SISMA_UP | 1.000000 |
| SLU_SISMA_UP | Load pattern | PHSX_SLU_SISMA | 1.000000 |
| SLU_SISMA_UP | Load pattern | PHDX_SLU_SISMA | 1.000000 |

## Table: Case - Static 2 - Nonlinear Load Application

**Table: Case - Static 2 - Nonlinear Load Application**

| Case | LoadApp | MonitorDOF | MonitorJt |
|---|---|---|---|
| SLE | Full Load | U1 | 15 |
| SLE_SISMA_DOWN | Full Load | U1 | 15 |
| SLE_SISMA_UP | Full Load | U1 | 15 |
| SLU_SISMA_DOWN | Full Load | U1 | 15 |
| SLU_SISMA_UP | Full Load | U1 | 15 |

## Table: Case - Static 4 - Nonlinear Parameters, Part 1 of 5

**Table: Case - Static 4 - Nonlinear Parameters, Part 1 of 5**

| Case | Unloading | GeoNonLin | ResultsSave | MinNumState | MaxNumState | PosIncOnly |
|---|---|---|---|---|---|---|
| SLE | Unload Entire | None | Multiple States | 10 | 10 | Yes |
| SLE_SISMA_DOWN | Unload Entire | None | Multiple States | 10 | 10 | Yes |
| SLE_SISMA_UP | Unload Entire | None | Multiple States | 10 | 10 | Yes |
| SLU_SISMA_DOWN | Unload Entire | None | Multiple States | 10 | 10 | Yes |
| SLU_SISMA_UP | Unload Entire | None | Multiple States | 10 | 10 | Yes |

## Table: Case - Static 4 - Nonlinear Parameters, Part 2 of 5

**Table: Case - Static 4 - Nonlinear Parameters, Part 2 of 5**

| Case | MaxTotal | MaxNull | MaxIterCS | MaxIterNR | ItConvTol | UseEvStep | EvLumpTol |
|---|---|---|---|---|---|---|---|
| SLE | 200 | 50 | 10 | 40 | 1.0000E-04 | Yes | 0.010000 |
| SLE_SISMA_DOWN | 200 | 50 | 10 | 40 | 1.0000E-04 | Yes | 0.010000 |
| SLE_SISMA_UP | 200 | 50 | 10 | 40 | 1.0000E-04 | Yes | 0.010000 |
| SLU_SISMA_DOWN | 200 | 50 | 10 | 40 | 1.0000E-04 | Yes | 0.010000 |
| SLU_SISMA_UP | 200 | 50 | 10 | 40 | 1.0000E-04 | Yes | 0.010000 |

## Table: Case - Static 4 - Nonlinear Parameters, Part 3 of 5

**Table: Case - Static 4 - Nonlinear Parameters, Part 3 of 5**

| Case | LSPerIter | LSTol | LSStepFact | StageSave | StageMinIns | StageMinTD |
|---|---|---|---|---|---|---|
| SLE | 20 | 0.100000 | 1.618000 | | | |
| SLE_SISMA_DOWN | 20 | 0.100000 | 1.618000 | | | |
| SLE_SISMA_UP | 20 | 0.100000 | 1.618000 | | | |

**Table: Case - Static 4 - Nonlinear Parameters, Part 3 of 5**

| Case | LSPerIter | LSTol | LSStepFact | StageSave | StageMinIns | StageMinTD |
|---|---|---|---|---|---|---|
| SLU_SISMA_DOWN | 20 | 0.100000 | 1.618000 | | | |
| SLU_SISMA_UP | 20 | 0.100000 | 1.618000 | | | |

## Table: Case - Static 4 - Nonlinear Parameters, Part 4 of 5

**Table: Case - Static 4 - Nonlinear Parameters, Part 4 of 5**

| Case | FrameTC | FrameHinge | CableTC | LinkTC | LinkOther | TimeDepMat | TFMaxIter |
|---|---|---|---|---|---|---|---|
| SLE | Yes | Yes | Yes | Yes | Yes | | 10 |
| SLE_SISMA_DOWN | Yes | Yes | Yes | Yes | Yes | | 10 |
| SLE_SISMA_UP | Yes | Yes | Yes | Yes | Yes | | 10 |
| SLU_SISMA_DOWN | Yes | Yes | Yes | Yes | Yes | | 10 |
| SLU_SISMA_UP | Yes | Yes | Yes | Yes | Yes | | 10 |

## Table: Case - Static 4 - Nonlinear Parameters, Part 5 of 5

**Table: Case - Static 4 - Nonlinear Parameters, Part 5 of 5**

| Case | TFTol | TFAccelFact | TFNoStop |
|---|---|---|---|
| SLE | 0.010000 | 1.000000 | No |
| SLE_SISMA_DOWN | 0.010000 | 1.000000 | No |
| SLE_SISMA_UP | 0.010000 | 1.000000 | No |
| SLU_SISMA_DOWN | 0.010000 | 1.000000 | No |
| SLU_SISMA_UP | 0.010000 | 1.000000 | No |

## Table: Connectivity - Frame, Part 1 of 2

**Table: Connectivity - Frame, Part 1 of 2**

| Frame | JointI | JointJ | IsCurved | Length | CentroidX | CentroidY | CentroidZ |
|---|---|---|---|---|---|---|---|
| | | | | m | m | m | m |
| 1 | 1 | 2 | No | 1.02176 | 19.39655 | 0.00000 | 14.22867 |
| 2 | 2 | 3 | No | 0.84789 | 19.39655 | 0.00000 | 15.16350 |
| 3 | 3 | 4 | No | 0.84789 | 19.39655 | 0.00000 | 16.01140 |
| 4 | 4 | 5 | No | 0.84789 | 19.39655 | 0.00000 | 16.85929 |
| 5 | 5 | 6 | No | 1.10627 | 19.43995 | 0.00000 | 17.83467 |
| 6 | 6 | 7 | No | 1.10627 | 19.61247 | 0.00000 | 18.92395 |
| 7 | 7 | 8 | No | 1.10627 | 19.95328 | 0.00000 | 19.97284 |
| 8 | 8 | 9 | No | 1.10627 | 20.45396 | 0.00000 | 20.95550 |
| 9 | 9 | 10 | No | 1.10627 | 21.10221 | 0.00000 | 21.84773 |
| 10 | 10 | 11 | No | 1.10627 | 21.88205 | 0.00000 | 22.62757 |
| 11 | 11 | 12 | No | 1.10627 | 22.77429 | 0.00000 | 23.27582 |
| 12 | 12 | 13 | No | 1.10627 | 23.75695 | 0.00000 | 23.77651 |
| 13 | 13 | 14 | No | 1.10627 | 24.80583 | 0.00000 | 24.11731 |
| 14 | 14 | 15 | No | 1.10627 | 25.89512 | 0.00000 | 24.28984 |
| 15 | 15 | 16 | No | 1.10627 | 26.99798 | 0.00000 | 24.28984 |
| 16 | 16 | 17 | No | 1.10627 | 28.08726 | 0.00000 | 24.11731 |
| 17 | 17 | 18 | No | 1.10627 | 29.13615 | 0.00000 | 23.77651 |
| 18 | 18 | 19 | No | 1.10627 | 30.11881 | 0.00000 | 23.27582 |
| 19 | 19 | 20 | No | 1.10627 | 31.01104 | 0.00000 | 22.62757 |
| 20 | 20 | 21 | No | 1.10627 | 31.79088 | 0.00000 | 21.84773 |
| 21 | 21 | 22 | No | 1.10627 | 32.43913 | 0.00000 | 20.95550 |
| 22 | 22 | 23 | No | 1.10627 | 32.93982 | 0.00000 | 19.97284 |
| 23 | 23 | 24 | No | 1.10627 | 33.28062 | 0.00000 | 18.92395 |
| 24 | 24 | 25 | No | 1.10627 | 33.45315 | 0.00000 | 17.83467 |
| 25 | 25 | 26 | No | 0.84789 | 33.49655 | 0.00000 | 16.85929 |
| 26 | 26 | 27 | No | 0.84789 | 33.49655 | 0.00000 | 16.01140 |

**Table: Connectivity - Frame, Part 1 of 2**

| Frame | JointI | JointJ | IsCurved | Length | CentroidX | CentroidY | CentroidZ |
|---|---|---|---|---|---|---|---|
| | | | | m | m | m | m |
| 27 | 27 | 28 | No | 0.84789 | 33.49655 | 0.00000 | 15.16350 |
| 28 | 28 | 29 | No | 1.02176 | 33.49655 | 0.00000 | 14.22867 |
| 29 | 29 | 30 | No | 0.89989 | 33.04660 | 0.00000 | 13.71779 |
| 30 | 30 | 31 | No | 0.89989 | 32.14672 | 0.00000 | 13.71779 |
| 31 | 31 | 32 | No | 0.90286 | 31.28052 | 0.00000 | 13.54310 |
| 32 | 32 | 33 | No | 0.90286 | 30.43648 | 0.00000 | 13.22423 |
| 33 | 33 | 34 | No | 0.90286 | 29.57162 | 0.00000 | 12.96711 |
| 34 | 34 | 35 | No | 0.90286 | 28.69046 | 0.00000 | 12.77308 |
| 35 | 35 | 36 | No | 0.90286 | 27.79759 | 0.00000 | 12.64317 |
| 36 | 36 | 37 | No | 0.90286 | 26.89768 | 0.00000 | 12.57804 |
| 37 | 37 | 38 | No | 0.90286 | 25.99541 | 0.00000 | 12.57804 |
| 38 | 38 | 39 | No | 0.90286 | 25.09550 | 0.00000 | 12.64317 |
| 39 | 39 | 40 | No | 0.90286 | 24.20263 | 0.00000 | 12.77308 |
| 40 | 40 | 41 | No | 0.90286 | 23.32148 | 0.00000 | 12.96711 |
| 41 | 41 | 42 | No | 0.90286 | 22.45662 | 0.00000 | 13.22423 |
| 42 | 42 | 43 | No | 0.90286 | 21.61258 | 0.00000 | 13.54310 |
| 43 | 43 | 44 | No | 0.89989 | 20.74638 | 0.00000 | 13.71779 |
| 44 | 44 | 1 | No | 0.89989 | 19.84649 | 0.00000 | 13.71779 |
| 45 | 2 | 43 | No | 2.06958 | 20.29643 | 0.00000 | 14.22867 |
| 46 | 31 | 28 | No | 2.06958 | 32.59666 | 0.00000 | 14.22867 |

## Table: Connectivity - Frame, Part 2 of 2

**Table: Connectivity - Frame, Part 2 of 2**

| Frame | GUID |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |
| 28 | |
| 29 | |
| 30 | |
| 31 | |
| 32 | |

**Table: Connectivity - Frame, Part 2 of 2**

| Frame | GUID |
|---|---|
| 33 | |
| 34 | |
| 35 | |
| 36 | |
| 37 | |
| 38 | |
| 39 | |
| 40 | |
| 41 | |
| 42 | |
| 43 | |
| 44 | |
| 45 | |
| 46 | |

## Table: Coordinate Systems

**Table: Coordinate Systems**

| Name | Type | X | Y | Z | AboutZ | AboutY | AboutX |
|---|---|---|---|---|---|---|---|
| | | m | m | m | Degrees | Degrees | Degrees |
| GLOBAL | Cartesian | 0.00000 | 0.00000 | 0.00000 | 0.000 | 0.000 | 0.000 |

## Table: Database Format Types

**Table: Database Format Types**

| UnitsCurr | OverrideE |
|---|---|
| Yes | No |

## Table: Element Forces - Frames, Part 1 of 2

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 1 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.51088 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1.02176 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLE | NonStatic | Min | -339.850 | -1332.936 | 0.000 | 0.0000 |
| 1 | 0.51088 | SLE | NonStatic | Min | -312.518 | -1396.593 | 0.000 | 0.0000 |
| 1 | 1.02176 | SLE | NonStatic | Min | -288.762 | -1460.249 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.51088 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1.02176 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -269.553 | -1414.334 | 0.000 | 0.0000 |
| 1 | 0.51088 | SLE_SISMA_DOWN | NonStatic | Min | -240.690 | -1483.653 | 0.000 | 0.0000 |
| 1 | 1.02176 | SLE_SISMA_DOWN | NonStatic | Min | -215.604 | -1552.971 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.51088 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 1 | 1.02176 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -240.177 | -1265.622 | 0.000 | 0.0000 |
| 1 | 0.51088 | SLE_SISMA_UP | NonStatic | Min | -214.376 | -1334.940 | 0.000 | 0.0000 |
| 1 | 1.02176 | SLE_SISMA_UP | NonStatic | Min | -191.950 | -1404.259 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.51088 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1.02176 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -176.738 | -1399.398 | 0.000 | 0.0000 |
| 1 | 0.51088 | SLU_SISMA_DOWN | NonStatic | Min | -145.825 | -1489.813 | 0.000 | 0.0000 |
| 1 | 1.02176 | SLU_SISMA_DOWN | NonStatic | Min | -118.957 | -1580.228 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.51088 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1.02176 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -111.981 | -1040.674 | 0.000 | 0.0000 |
| 1 | 0.51088 | SLU_SISMA_UP | NonStatic | Min | -88.230 | -1131.089 | 0.000 | 0.0000 |
| 1 | 1.02176 | SLU_SISMA_UP | NonStatic | Min | -67.586 | -1221.504 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE | NonStatic | Max | 0.000 | 427.864 | 0.000 | 0.0000 |
| 2 | 0.42395 | SLE | NonStatic | Max | 0.000 | 378.438 | 0.000 | 0.0000 |
| 2 | 0.84789 | SLE | NonStatic | Max | 0.000 | 329.013 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE | NonStatic | Min | -1339.987 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.42395 | SLE | NonStatic | Min | -1322.552 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.84789 | SLE | NonStatic | Min | -1306.707 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 492.520 | 0.000 | 0.0000 |
| 2 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 438.395 | 0.000 | 0.0000 |
| 2 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 384.270 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1349.545 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Min | -1331.134 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Min | -1314.401 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 484.601 | 0.000 | 0.0000 |
| 2 | 0.42395 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 430.477 | 0.000 | 0.0000 |
| 2 | 0.84789 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 376.352 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1239.867 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.42395 | SLE_SISMA_UP | NonStatic | Min | -1223.408 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.84789 | SLE_SISMA_UP | NonStatic | Min | -1208.451 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 673.049 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 2 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 602.095 | 0.000 | 0.0000 |
| 2 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 531.140 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1368.922 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Min | -1349.203 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Min | -1331.283 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 651.248 | 0.000 | 0.0000 |
| 2 | 0.42395 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 580.293 | 0.000 | 0.0000 |
| 2 | 0.84789 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 509.338 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1108.298 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.42395 | SLU_SISMA_UP | NonStatic | Min | -1093.147 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.84789 | SLU_SISMA_UP | NonStatic | Min | -1079.377 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE | NonStatic | Max | 0.000 | 318.774 | 0.000 | 0.0000 |
| 3 | 0.42395 | SLE | NonStatic | Max | 0.000 | 272.385 | 0.000 | 0.0000 |
| 3 | 0.84789 | SLE | NonStatic | Max | 0.000 | 225.997 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE | NonStatic | Min | -1306.707 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.42395 | SLE | NonStatic | Min | -1292.081 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.84789 | SLE | NonStatic | Min | -1278.303 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 384.270 | 0.000 | 0.0000 |
| 3 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 333.183 | 0.000 | 0.0000 |
| 3 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 282.096 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1314.401 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Min | -1298.956 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Min | -1284.406 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 376.352 | 0.000 | 0.0000 |
| 3 | 0.42395 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 325.265 | 0.000 | 0.0000 |
| 3 | 0.84789 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 274.177 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1208.451 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.42395 | SLE_SISMA_UP | NonStatic | Min | -1194.644 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.84789 | SLE_SISMA_UP | NonStatic | Min | -1181.637 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 531.140 | 0.000 | 0.0000 |
| 3 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 463.827 | 0.000 | 0.0000 |
| 3 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 396.514 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1331.283 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Min | -1314.740 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Min | -1299.157 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 3 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 509.338 | 0.000 | 0.0000 |
| 3 | 0.42395 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 442.025 | 0.000 | 0.0000 |
| 3 | 0.84789 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 374.712 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1079.377 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.42395 | SLU_SISMA_UP | NonStatic | Min | -1066.667 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.84789 | SLU_SISMA_UP | NonStatic | Min | -1054.694 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE | NonStatic | Max | 0.000 | 214.457 | 0.000 | 0.0000 |
| 4 | 0.42395 | SLE | NonStatic | Max | 0.000 | 171.142 | 0.000 | 0.0000 |
| 4 | 0.84789 | SLE | NonStatic | Max | 0.000 | 127.826 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE | NonStatic | Min | -1278.303 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.42395 | SLE | NonStatic | Min | -1265.107 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.84789 | SLE | NonStatic | Min | -1252.230 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 282.096 | 0.000 | 0.0000 |
| 4 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 234.081 | 0.000 | 0.0000 |
| 4 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 186.067 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1284.406 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Min | -1270.472 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Min | -1256.873 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 274.177 | 0.000 | 0.0000 |
| 4 | 0.42395 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 226.163 | 0.000 | 0.0000 |
| 4 | 0.84789 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 178.149 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1181.637 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.42395 | SLE_SISMA_UP | NonStatic | Min | -1169.180 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.84789 | SLE_SISMA_UP | NonStatic | Min | -1157.024 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 396.514 | 0.000 | 0.0000 |
| 4 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 332.886 | 0.000 | 0.0000 |
| 4 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 269.258 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1299.157 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Min | -1284.233 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Min | -1269.669 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 374.712 | 0.000 | 0.0000 |
| 4 | 0.42395 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 311.084 | 0.000 | 0.0000 |
| 4 | 0.84789 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 247.456 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1054.694 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.42395 | SLU_SISMA_UP | NonStatic | Min | -1043.227 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 4 | 0.84789 | SLU_SISMA_UP | NonStatic | Min | -1032.037 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.55314 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 1.10627 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE | NonStatic | Min | -1238.811 | -219.697 | 0.000 | 0.0000 |
| 5 | 0.55314 | SLE | NonStatic | Min | -1216.499 | -166.050 | 0.000 | 0.0000 |
| 5 | 1.10627 | SLE | NonStatic | Min | -1193.566 | -112.354 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1238.400 | -284.107 | 0.000 | 0.0000 |
| 5 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -1215.316 | -224.268 | 0.000 | 0.0000 |
| 5 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -1191.577 | -164.377 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1139.480 | -268.379 | 0.000 | 0.0000 |
| 5 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -1118.898 | -208.736 | 0.000 | 0.0000 |
| 5 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -1097.730 | -149.048 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1244.629 | -368.045 | 0.000 | 0.0000 |
| 5 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -1221.346 | -288.738 | 0.000 | 0.0000 |
| 5 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -1197.361 | -209.376 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1009.440 | -327.666 | 0.000 | 0.0000 |
| 5 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -992.100 | -248.827 | 0.000 | 0.0000 |
| 5 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -974.221 | -169.945 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.55314 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 1.10627 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLE | NonStatic | Min | -1161.295 | -297.686 | 0.000 | 0.0000 |
| 6 | 0.55314 | SLE | NonStatic | Min | -1128.566 | -243.079 | 0.000 | 0.0000 |
| 6 | 1.10627 | SLE | NonStatic | Min | -1093.618 | -187.939 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 6 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1151.193 | -348.757 | 0.000 | 0.0000 |
| 6 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -1118.019 | -287.912 | 0.000 | 0.0000 |
| 6 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -1082.503 | -226.505 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1060.899 | -318.936 | 0.000 | 0.0000 |
| 6 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -1031.397 | -258.973 | 0.000 | 0.0000 |
| 6 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -999.802 | -198.507 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1149.866 | -394.107 | 0.000 | 0.0000 |
| 6 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -1118.297 | -315.219 | 0.000 | 0.0000 |
| 6 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -1084.219 | -235.728 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -935.641 | -320.255 | 0.000 | 0.0000 |
| 6 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -912.902 | -243.486 | 0.000 | 0.0000 |
| 6 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -888.235 | -166.255 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.55314 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 1.10627 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE | NonStatic | Min | -1050.754 | -356.707 | 0.000 | 0.0000 |
| 7 | 0.55314 | SLE | NonStatic | Min | -1008.392 | -297.364 | 0.000 | 0.0000 |
| 7 | 1.10627 | SLE | NonStatic | Min | -962.453 | -236.539 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1033.743 | -393.057 | 0.000 | 0.0000 |
| 7 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -991.171 | -327.497 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 7 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -944.823 | -260.371 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -956.439 | -352.466 | 0.000 | 0.0000 |
| 7 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -918.621 | -288.875 | 0.000 | 0.0000 |
| 7 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -877.427 | -223.884 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1033.995 | -402.435 | 0.000 | 0.0000 |
| 7 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -994.241 | -320.599 | 0.000 | 0.0000 |
| 7 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -950.441 | -237.086 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -851.291 | -303.159 | 0.000 | 0.0000 |
| 7 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -822.990 | -226.066 | 0.000 | 0.0000 |
| 7 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -791.581 | -147.686 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.55314 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 1.10627 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE | NonStatic | Min | -913.600 | -384.193 | 0.000 | 0.0000 |
| 8 | 0.55314 | SLE | NonStatic | Min | -866.417 | -318.105 | 0.000 | 0.0000 |
| 8 | 1.10627 | SLE | NonStatic | Min | -820.825 | -252.994 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -892.459 | -404.969 | 0.000 | 0.0000 |
| 8 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -845.360 | -332.802 | 0.000 | 0.0000 |
| 8 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -799.941 | -261.665 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -831.601 | -358.388 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 8 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -789.796 | -289.466 | 0.000 | 0.0000 |
| 8 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -749.494 | -221.464 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -901.651 | -382.849 | 0.000 | 0.0000 |
| 8 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -858.180 | -296.383 | 0.000 | 0.0000 |
| 8 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -816.510 | -211.020 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -758.732 | -269.698 | 0.000 | 0.0000 |
| 8 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -728.020 | -191.051 | 0.000 | 0.0000 |
| 8 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -698.692 | -113.252 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.55314 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 1.10627 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE | NonStatic | Min | -771.142 | -378.291 | 0.000 | 0.0000 |
| 9 | 0.55314 | SLE | NonStatic | Min | -730.337 | -310.466 | 0.000 | 0.0000 |
| 9 | 1.10627 | SLE | NonStatic | Min | -691.898 | -244.661 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -749.159 | -383.582 | 0.000 | 0.0000 |
| 9 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -709.092 | -310.256 | 0.000 | 0.0000 |
| 9 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -671.523 | -239.063 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -705.622 | -335.984 | 0.000 | 0.0000 |
| 9 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -670.135 | -266.570 | 0.000 | 0.0000 |
| 9 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -636.881 | -199.063 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 9 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -773.446 | -336.153 | 0.000 | 0.0000 |
| 9 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -737.876 | -250.979 | 0.000 | 0.0000 |
| 9 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -704.981 | -168.092 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -672.373 | -221.157 | 0.000 | 0.0000 |
| 9 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -647.884 | -145.448 | 0.000 | 0.0000 |
| 9 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -625.450 | -71.495 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.55314 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 1.10627 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE | NonStatic | Min | -645.105 | -349.894 | 0.000 | 0.0000 |
| 10 | 0.55314 | SLE | NonStatic | Min | -613.050 | -283.067 | 0.000 | 0.0000 |
| 10 | 1.10627 | SLE | NonStatic | Min | -582.028 | -217.449 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -625.858 | -341.170 | 0.000 | 0.0000 |
| 10 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -595.031 | -269.650 | 0.000 | 0.0000 |
| 10 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -565.294 | -199.407 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -597.900 | -296.242 | 0.000 | 0.0000 |
| 10 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -570.671 | -228.936 | 0.000 | 0.0000 |
| 10 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -544.418 | -162.772 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -670.006 | -276.305 | 0.000 | 0.0000 |
| 10 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -643.991 | -195.465 | 0.000 | 0.0000 |
| 10 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -619.145 | -115.992 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 10 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -606.566 | -168.457 | 0.000 | 0.0000 |
| 10 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -589.296 | -97.856 | 0.000 | 0.0000 |
| 10 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -572.924 | -28.305 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.55314 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 1.10627 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE | NonStatic | Min | -540.845 | -305.831 | 0.000 | 0.0000 |
| 11 | 0.55314 | SLE | NonStatic | Min | -516.294 | -239.540 | 0.000 | 0.0000 |
| 11 | 1.10627 | SLE | NonStatic | Min | -491.852 | -173.426 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -527.140 | -285.383 | 0.000 | 0.0000 |
| 11 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -503.943 | -215.169 | 0.000 | 0.0000 |
| 11 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -480.860 | -145.141 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -512.253 | -245.934 | 0.000 | 0.0000 |
| 11 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -491.812 | -180.218 | 0.000 | 0.0000 |
| 11 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -471.474 | -114.669 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -593.377 | -211.420 | 0.000 | 0.0000 |
| 11 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -574.592 | -134.062 | 0.000 | 0.0000 |
| 11 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -555.930 | -56.904 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 15.073 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -561.443 | -117.582 | 0.000 | 0.0000 |
| 11 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -549.371 | -51.178 | 0.000 | 0.0000 |
| 11 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -537.393 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.55314 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 12 | 1.10627 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE | NonStatic | Min | -458.666 | -248.245 | 0.000 | 0.0000 |
| 12 | 0.55314 | SLE | NonStatic | Min | -440.964 | -181.639 | 0.000 | 0.0000 |
| 12 | 1.10627 | SLE | NonStatic | Min | -423.262 | -115.032 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -452.235 | -218.577 | 0.000 | 0.0000 |
| 12 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -435.707 | -148.674 | 0.000 | 0.0000 |
| 12 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -419.178 | -78.770 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -447.731 | -187.012 | 0.000 | 0.0000 |
| 12 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -433.190 | -121.907 | 0.000 | 0.0000 |
| 12 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -418.650 | -56.802 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 7.588 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -540.184 | -143.170 | 0.000 | 0.0000 |
| 12 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -527.135 | -67.791 | 0.000 | 0.0000 |
| 12 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -514.087 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 58.208 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -533.134 | -69.179 | 0.000 | 0.0000 |
| 12 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -524.926 | -5.486 | 0.000 | 0.0000 |
| 12 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -516.717 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.55314 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 1.10627 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLE | NonStatic | Min | -400.055 | -179.842 | 0.000 | 0.0000 |
| 13 | 0.55314 | SLE | NonStatic | Min | -389.383 | -113.122 | 0.000 | 0.0000 |
| 13 | 1.10627 | SLE | NonStatic | Min | -378.711 | -46.402 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 13 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -401.695 | -143.374 | 0.000 | 0.0000 |
| 13 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -391.815 | -73.825 | 0.000 | 0.0000 |
| 13 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -381.936 | -4.275 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 7.521 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -404.610 | -121.594 | 0.000 | 0.0000 |
| 13 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -395.928 | -57.037 | 0.000 | 0.0000 |
| 13 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -387.247 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.942 | 0.000 | 0.0000 |
| 13 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 74.810 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -508.944 | -72.926 | 0.000 | 0.0000 |
| 13 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -501.282 | 0.000 | 0.000 | 0.0000 |
| 13 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -493.620 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 38.376 | 0.000 | 0.0000 |
| 13 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 100.092 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -519.461 | -23.341 | 0.000 | 0.0000 |
| 13 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -514.717 | 0.000 | 0.000 | 0.0000 |
| 13 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -509.972 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.55314 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 1.10627 | SLE | NonStatic | Max | 0.000 | 28.313 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE | NonStatic | Min | -366.788 | -105.088 | 0.000 | 0.0000 |
| 14 | 0.55314 | SLE | NonStatic | Min | -363.228 | -38.387 | 0.000 | 0.0000 |
| 14 | 1.10627 | SLE | NonStatic | Min | -359.668 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 5.307 | 0.000 | 0.0000 |
| 14 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 74.586 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -376.564 | -63.971 | 0.000 | 0.0000 |
| 14 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -373.284 | 0.000 | 0.000 | 0.0000 |
| 14 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -370.003 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 11.049 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 14 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 75.247 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -383.656 | -53.150 | 0.000 | 0.0000 |
| 14 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -380.775 | 0.000 | 0.000 | 0.0000 |
| 14 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -377.894 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 69.672 | 0.000 | 0.0000 |
| 14 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 142.675 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -499.246 | -3.330 | 0.000 | 0.0000 |
| 14 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -496.727 | 0.000 | 0.000 | 0.0000 |
| 14 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -494.207 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 19.083 | 0.000 | 0.0000 |
| 14 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 79.722 | 0.000 | 0.0000 |
| 14 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 140.361 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -519.351 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -517.805 | 0.000 | 0.000 | 0.0000 |
| 14 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -516.259 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.55314 | SLE | NonStatic | Max | 0.000 | 38.387 | 0.000 | 0.0000 |
| 15 | 1.10627 | SLE | NonStatic | Max | 0.000 | 105.088 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE | NonStatic | Min | -359.668 | -28.313 | 0.000 | 0.0000 |
| 15 | 0.55314 | SLE | NonStatic | Min | -363.228 | 0.000 | 0.000 | 0.0000 |
| 15 | 1.10627 | SLE | NonStatic | Min | -366.788 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 15.786 | 0.000 | 0.0000 |
| 15 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 84.989 | 0.000 | 0.0000 |
| 15 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 154.191 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -377.116 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -381.355 | 0.000 | 0.000 | 0.0000 |
| 15 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -385.595 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 15.205 | 0.000 | 0.0000 |
| 15 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 79.328 | 0.000 | 0.0000 |
| 15 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 143.452 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -385.013 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -388.853 | 0.000 | 0.000 | 0.0000 |
| 15 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -392.693 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 63.607 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 15 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 136.422 | 0.000 | 0.0000 |
| 15 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 209.237 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -510.442 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -515.348 | 0.000 | 0.000 | 0.0000 |
| 15 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -520.254 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 57.872 | 0.000 | 0.0000 |
| 15 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 118.324 | 0.000 | 0.0000 |
| 15 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 178.775 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -531.860 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -535.793 | 0.000 | 0.000 | 0.0000 |
| 15 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -539.726 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE | NonStatic | Max | 0.000 | 46.402 | 0.000 | 0.0000 |
| 16 | 0.55314 | SLE | NonStatic | Max | 0.000 | 113.122 | 0.000 | 0.0000 |
| 16 | 1.10627 | SLE | NonStatic | Max | 0.000 | 179.842 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE | NonStatic | Min | -378.711 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.55314 | SLE | NonStatic | Min | -389.383 | 0.000 | 0.000 | 0.0000 |
| 16 | 1.10627 | SLE | NonStatic | Min | -400.055 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 91.973 | 0.000 | 0.0000 |
| 16 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 160.854 | 0.000 | 0.0000 |
| 16 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 229.735 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -404.969 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -417.632 | 0.000 | 0.000 | 0.0000 |
| 16 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -430.295 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 80.255 | 0.000 | 0.0000 |
| 16 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 144.144 | 0.000 | 0.0000 |
| 16 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 208.034 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -410.299 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -421.764 | 0.000 | 0.000 | 0.0000 |
| 16 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -433.228 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 125.275 | 0.000 | 0.0000 |
| 16 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 197.480 | 0.000 | 0.0000 |
| 16 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 269.686 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -546.580 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -561.169 | 0.000 | 0.000 | 0.0000 |
| 16 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -575.757 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 16 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 92.142 | 0.000 | 0.0000 |
| 16 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 152.196 | 0.000 | 0.0000 |
| 16 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 212.250 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -561.047 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -572.718 | 0.000 | 0.000 | 0.0000 |
| 16 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -584.389 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE | NonStatic | Max | 0.000 | 115.032 | 0.000 | 0.0000 |
| 17 | 0.55314 | SLE | NonStatic | Max | 0.000 | 181.639 | 0.000 | 0.0000 |
| 17 | 1.10627 | SLE | NonStatic | Max | 0.000 | 248.245 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE | NonStatic | Min | -423.262 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.55314 | SLE | NonStatic | Min | -440.964 | 0.000 | 0.000 | 0.0000 |
| 17 | 1.10627 | SLE | NonStatic | Min | -458.666 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 159.594 | 0.000 | 0.0000 |
| 17 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 227.702 | 0.000 | 0.0000 |
| 17 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 295.809 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -460.936 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -481.799 | 0.000 | 0.000 | 0.0000 |
| 17 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -502.663 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 137.701 | 0.000 | 0.0000 |
| 17 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 201.010 | 0.000 | 0.0000 |
| 17 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 264.319 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -460.438 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -479.314 | 0.000 | 0.000 | 0.0000 |
| 17 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -498.190 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 176.297 | 0.000 | 0.0000 |
| 17 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 247.208 | 0.000 | 0.0000 |
| 17 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 318.118 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -610.856 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -634.693 | 0.000 | 0.000 | 0.0000 |
| 17 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -658.529 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 118.219 | 0.000 | 0.0000 |
| 17 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 177.444 | 0.000 | 0.0000 |
| 17 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 236.669 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -610.397 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -629.393 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 17 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -648.390 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE | NonStatic | Max | 0.000 | 173.426 | 0.000 | 0.0000 |
| 18 | 0.55314 | SLE | NonStatic | Max | 0.000 | 239.540 | 0.000 | 0.0000 |
| 18 | 1.10627 | SLE | NonStatic | Max | 0.000 | 305.831 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE | NonStatic | Min | -491.852 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.55314 | SLE | NonStatic | Min | -516.294 | 0.000 | 0.000 | 0.0000 |
| 18 | 1.10627 | SLE | NonStatic | Min | -540.845 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 213.534 | 0.000 | 0.0000 |
| 18 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 280.214 | 0.000 | 0.0000 |
| 18 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 347.081 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -542.749 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -571.294 | 0.000 | 0.000 | 0.0000 |
| 18 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -599.954 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 183.131 | 0.000 | 0.0000 |
| 18 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 245.332 | 0.000 | 0.0000 |
| 18 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 307.700 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -533.405 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -559.206 | 0.000 | 0.000 | 0.0000 |
| 18 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -585.109 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 211.185 | 0.000 | 0.0000 |
| 18 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 280.013 | 0.000 | 0.0000 |
| 18 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 349.041 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -700.186 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -732.441 | 0.000 | 0.000 | 0.0000 |
| 18 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -764.819 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 132.325 | 0.000 | 0.0000 |
| 18 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 190.246 | 0.000 | 0.0000 |
| 18 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 248.320 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -677.430 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -703.001 | 0.000 | 0.000 | 0.0000 |
| 18 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -728.666 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE | NonStatic | Max | 0.000 | 217.449 | 0.000 | 0.0000 |
| 19 | 0.55314 | SLE | NonStatic | Max | 0.000 | 283.067 | 0.000 | 0.0000 |
| 19 | 1.10627 | SLE | NonStatic | Max | 0.000 | 349.894 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE | NonStatic | Min | -582.028 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.55314 | SLE | NonStatic | Min | -613.050 | 0.000 | 0.000 | 0.0000 |
| 19 | 1.10627 | SLE | NonStatic | Min | -645.105 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 19 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 248.954 | 0.000 | 0.0000 |
| 19 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 314.025 | 0.000 | 0.0000 |
| 19 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 380.373 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -646.863 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -682.655 | 0.000 | 0.000 | 0.0000 |
| 19 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -719.538 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 212.381 | 0.000 | 0.0000 |
| 19 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 273.373 | 0.000 | 0.0000 |
| 19 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 335.508 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -626.040 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -658.349 | 0.000 | 0.000 | 0.0000 |
| 19 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -691.632 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 225.100 | 0.000 | 0.0000 |
| 19 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 291.704 | 0.000 | 0.0000 |
| 19 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 359.675 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -810.005 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -849.919 | 0.000 | 0.000 | 0.0000 |
| 19 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -891.002 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 131.274 | 0.000 | 0.0000 |
| 19 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 187.955 | 0.000 | 0.0000 |
| 19 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 245.687 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -758.541 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -789.981 | 0.000 | 0.000 | 0.0000 |
| 19 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -822.319 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE | NonStatic | Max | 0.000 | 244.661 | 0.000 | 0.0000 |
| 20 | 0.55314 | SLE | NonStatic | Max | 0.000 | 310.466 | 0.000 | 0.0000 |
| 20 | 1.10627 | SLE | NonStatic | Max | 0.000 | 378.291 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE | NonStatic | Min | -691.898 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.55314 | SLE | NonStatic | Min | -730.337 | 0.000 | 0.000 | 0.0000 |
| 20 | 1.10627 | SLE | NonStatic | Min | -771.142 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 263.130 | 0.000 | 0.0000 |
| 20 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 327.232 | 0.000 | 0.0000 |
| 20 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 393.468 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -770.182 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -813.807 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 20 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -859.929 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 223.182 | 0.000 | 0.0000 |
| 20 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 283.599 | 0.000 | 0.0000 |
| 20 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 345.923 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -735.602 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -774.911 | 0.000 | 0.000 | 0.0000 |
| 20 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -816.454 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 215.863 | 0.000 | 0.0000 |
| 20 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 281.108 | 0.000 | 0.0000 |
| 20 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 348.639 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -936.298 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -984.261 | 0.000 | 0.000 | 0.0000 |
| 20 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -1034.900 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 114.023 | 0.000 | 0.0000 |
| 20 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 170.334 | 0.000 | 0.0000 |
| 20 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 228.400 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -850.628 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -888.130 | 0.000 | 0.000 | 0.0000 |
| 20 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -927.688 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE | NonStatic | Max | 0.000 | 252.994 | 0.000 | 0.0000 |
| 21 | 0.55314 | SLE | NonStatic | Max | 0.000 | 318.105 | 0.000 | 0.0000 |
| 21 | 1.10627 | SLE | NonStatic | Max | 0.000 | 384.193 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE | NonStatic | Min | -820.825 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.55314 | SLE | NonStatic | Min | -866.417 | 0.000 | 0.000 | 0.0000 |
| 21 | 1.10627 | SLE | NonStatic | Min | -913.600 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 254.102 | 0.000 | 0.0000 |
| 21 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 316.324 | 0.000 | 0.0000 |
| 21 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 379.576 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -910.894 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -961.775 | 0.000 | 0.000 | 0.0000 |
| 21 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -1014.337 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 213.943 | 0.000 | 0.0000 |
| 21 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 273.030 | 0.000 | 0.0000 |
| 21 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 333.038 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -860.516 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 21 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -906.281 | 0.000 | 0.000 | 0.0000 |
| 21 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -953.549 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 182.453 | 0.000 | 0.0000 |
| 21 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 245.634 | 0.000 | 0.0000 |
| 21 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 309.917 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1076.698 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -1131.961 | 0.000 | 0.000 | 0.0000 |
| 21 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -1189.025 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 80.466 | 0.000 | 0.0000 |
| 21 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 136.083 | 0.000 | 0.0000 |
| 21 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 192.548 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -951.996 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -994.917 | 0.000 | 0.000 | 0.0000 |
| 21 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -1039.222 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE | NonStatic | Max | 0.000 | 236.539 | 0.000 | 0.0000 |
| 22 | 0.55314 | SLE | NonStatic | Max | 0.000 | 297.364 | 0.000 | 0.0000 |
| 22 | 1.10627 | SLE | NonStatic | Max | 0.000 | 356.707 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE | NonStatic | Min | -962.453 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.55314 | SLE | NonStatic | Min | -1008.392 | 0.000 | 0.000 | 0.0000 |
| 22 | 1.10627 | SLE | NonStatic | Min | -1050.754 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 216.226 | 0.000 | 0.0000 |
| 22 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 272.885 | 0.000 | 0.0000 |
| 22 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 327.980 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1061.228 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -1111.912 | 0.000 | 0.000 | 0.0000 |
| 22 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -1158.818 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 179.770 | 0.000 | 0.0000 |
| 22 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 234.294 | 0.000 | 0.0000 |
| 22 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 287.420 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -993.908 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -1039.437 | 0.000 | 0.000 | 0.0000 |
| 22 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -1081.590 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 123.909 | 0.000 | 0.0000 |
| 22 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 181.378 | 0.000 | 0.0000 |
| 22 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 237.171 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 22 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1222.868 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -1277.455 | 0.000 | 0.000 | 0.0000 |
| 22 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -1327.997 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 39.269 | 0.000 | 0.0000 |
| 22 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 91.606 | 0.000 | 0.0000 |
| 22 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 142.655 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1056.549 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -1098.746 | 0.000 | 0.000 | 0.0000 |
| 22 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -1137.834 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE | NonStatic | Max | 0.000 | 187.939 | 0.000 | 0.0000 |
| 23 | 0.55314 | SLE | NonStatic | Max | 0.000 | 243.079 | 0.000 | 0.0000 |
| 23 | 1.10627 | SLE | NonStatic | Max | 0.000 | 297.686 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE | NonStatic | Min | -1093.618 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.55314 | SLE | NonStatic | Min | -1128.566 | 0.000 | 0.000 | 0.0000 |
| 23 | 1.10627 | SLE | NonStatic | Min | -1161.295 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 142.663 | 0.000 | 0.0000 |
| 23 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 192.476 | 0.000 | 0.0000 |
| 23 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 241.727 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1195.859 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -1234.158 | 0.000 | 0.000 | 0.0000 |
| 23 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -1270.115 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 114.745 | 0.000 | 0.0000 |
| 23 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 163.617 | 0.000 | 0.0000 |
| 23 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 211.987 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1113.236 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -1147.615 | 0.000 | 0.000 | 0.0000 |
| 23 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -1179.900 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 55.800 | 0.000 | 0.0000 |
| 23 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 106.442 | 0.000 | 0.0000 |
| 23 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 156.481 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1348.931 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -1389.935 | 0.000 | 0.000 | 0.0000 |
| 23 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -1428.430 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 2.911 | 0.000 | 0.0000 |
| 23 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 51.294 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 23 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 99.213 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1147.496 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -1179.090 | 0.000 | 0.000 | 0.0000 |
| 23 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -1208.755 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE | NonStatic | Max | 0.000 | 112.354 | 0.000 | 0.0000 |
| 24 | 0.55314 | SLE | NonStatic | Max | 0.000 | 166.050 | 0.000 | 0.0000 |
| 24 | 1.10627 | SLE | NonStatic | Max | 0.000 | 219.697 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE | NonStatic | Min | -1193.566 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.55314 | SLE | NonStatic | Min | -1216.499 | 0.000 | 0.000 | 0.0000 |
| 24 | 1.10627 | SLE | NonStatic | Min | -1238.811 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 59.723 | 0.000 | 0.0000 |
| 24 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 107.427 | 0.000 | 0.0000 |
| 24 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 155.080 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1292.292 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.55314 | SLE_SISMA_DOWN | NonStatic | Min | -1316.990 | 0.000 | 0.000 | 0.0000 |
| 24 | 1.10627 | SLE_SISMA_DOWN | NonStatic | Min | -1341.033 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 44.891 | 0.000 | 0.0000 |
| 24 | 0.55314 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 92.393 | 0.000 | 0.0000 |
| 24 | 1.10627 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 139.849 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1198.535 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.55314 | SLE_SISMA_UP | NonStatic | Min | -1220.662 | 0.000 | 0.000 | 0.0000 |
| 24 | 1.10627 | SLE_SISMA_UP | NonStatic | Min | -1242.204 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 7.399 | 0.000 | 0.0000 |
| 24 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 56.437 | 0.000 | 0.0000 |
| 24 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 105.420 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1439.257 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.55314 | SLU_SISMA_DOWN | NonStatic | Min | -1465.628 | 0.000 | 0.000 | 0.0000 |
| 24 | 1.10627 | SLU_SISMA_DOWN | NonStatic | Min | -1491.298 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.55314 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 35.600 | 0.000 | 0.0000 |
| 24 | 1.10627 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 84.115 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1213.809 | -12.957 | 0.000 | 0.0000 |
| 24 | 0.55314 | SLU_SISMA_UP | NonStatic | Min | -1234.074 | 0.000 | 0.000 | 0.0000 |
| 24 | 1.10627 | SLU_SISMA_UP | NonStatic | Min | -1253.801 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE | NonStatic | Max | 0.000 | 127.826 | 0.000 | 0.0000 |
| 25 | 0.42395 | SLE | NonStatic | Max | 0.000 | 171.142 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 25 | 0.84789 | SLE | NonStatic | Max | 0.000 | 214.457 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE | NonStatic | Min | -1252.230 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.42395 | SLE | NonStatic | Min | -1265.107 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.84789 | SLE | NonStatic | Min | -1278.303 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 90.151 | 0.000 | 0.0000 |
| 25 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 128.767 | 0.000 | 0.0000 |
| 25 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 167.383 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1350.502 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Min | -1364.100 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Min | -1378.035 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 82.753 | 0.000 | 0.0000 |
| 25 | 0.42395 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 121.369 | 0.000 | 0.0000 |
| 25 | 0.84789 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 159.985 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1250.814 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.42395 | SLE_SISMA_UP | NonStatic | Min | -1262.970 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.84789 | SLE_SISMA_UP | NonStatic | Min | -1275.426 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 82.058 | 0.000 | 0.0000 |
| 25 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 122.300 | 0.000 | 0.0000 |
| 25 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 162.543 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1498.719 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Min | -1513.283 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Min | -1528.207 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 75.725 | 0.000 | 0.0000 |
| 25 | 0.42395 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 115.967 | 0.000 | 0.0000 |
| 25 | 0.84789 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 156.210 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1260.189 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.42395 | SLU_SISMA_UP | NonStatic | Min | -1271.379 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.84789 | SLU_SISMA_UP | NonStatic | Min | -1282.846 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE | NonStatic | Max | 0.000 | 225.997 | 0.000 | 0.0000 |
| 26 | 0.42395 | SLE | NonStatic | Max | 0.000 | 272.385 | 0.000 | 0.0000 |
| 26 | 0.84789 | SLE | NonStatic | Max | 0.000 | 318.774 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE | NonStatic | Min | -1278.303 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.42395 | SLE | NonStatic | Min | -1292.081 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.84789 | SLE | NonStatic | Min | -1306.707 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 209.781 | 0.000 | 0.0000 |
| 26 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 251.471 | 0.000 | 0.0000 |
| 26 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 293.160 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 26 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1378.035 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Min | -1392.584 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Min | -1408.030 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 201.747 | 0.000 | 0.0000 |
| 26 | 0.42395 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 243.437 | 0.000 | 0.0000 |
| 26 | 0.84789 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 285.126 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1275.426 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.42395 | SLE_SISMA_UP | NonStatic | Min | -1288.433 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.84789 | SLE_SISMA_UP | NonStatic | Min | -1302.240 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 249.963 | 0.000 | 0.0000 |
| 26 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 293.890 | 0.000 | 0.0000 |
| 26 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 337.818 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1528.207 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Min | -1543.790 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Min | -1560.333 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 238.876 | 0.000 | 0.0000 |
| 26 | 0.42395 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 282.803 | 0.000 | 0.0000 |
| 26 | 0.84789 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 326.731 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1282.846 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.42395 | SLU_SISMA_UP | NonStatic | Min | -1294.820 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.84789 | SLU_SISMA_UP | NonStatic | Min | -1307.530 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE | NonStatic | Max | 0.000 | 329.013 | 0.000 | 0.0000 |
| 27 | 0.42395 | SLE | NonStatic | Max | 0.000 | 378.438 | 0.000 | 0.0000 |
| 27 | 0.84789 | SLE | NonStatic | Max | 0.000 | 427.864 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE | NonStatic | Min | -1306.707 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.42395 | SLE | NonStatic | Min | -1322.552 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.84789 | SLE | NonStatic | Min | -1339.987 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 332.037 | 0.000 | 0.0000 |
| 27 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 376.764 | 0.000 | 0.0000 |
| 27 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 421.491 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1408.030 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.42395 | SLE_SISMA_DOWN | NonStatic | Min | -1424.762 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.84789 | SLE_SISMA_DOWN | NonStatic | Min | -1443.173 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 323.580 | 0.000 | 0.0000 |
| 27 | 0.42395 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 368.307 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 27 | 0.84789 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 413.033 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1302.240 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.42395 | SLE_SISMA_UP | NonStatic | Min | -1317.198 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.84789 | SLE_SISMA_UP | NonStatic | Min | -1333.656 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 419.181 | 0.000 | 0.0000 |
| 27 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 466.750 | 0.000 | 0.0000 |
| 27 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 514.319 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1560.333 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.42395 | SLU_SISMA_DOWN | NonStatic | Min | -1578.253 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.84789 | SLU_SISMA_DOWN | NonStatic | Min | -1597.972 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 403.921 | 0.000 | 0.0000 |
| 27 | 0.42395 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 451.490 | 0.000 | 0.0000 |
| 27 | 0.84789 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 499.059 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1307.530 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.42395 | SLU_SISMA_UP | NonStatic | Min | -1321.299 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.84789 | SLU_SISMA_UP | NonStatic | Min | -1336.450 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.51088 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 1.02176 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE | NonStatic | Min | -288.762 | -1460.249 | 0.000 | 0.0000 |
| 28 | 0.51088 | SLE | NonStatic | Min | -312.518 | -1396.593 | 0.000 | 0.0000 |
| 28 | 1.02176 | SLE | NonStatic | Min | -339.850 | -1332.936 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.51088 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 1.02176 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -384.718 | -1452.790 | 0.000 | 0.0000 |
| 28 | 0.51088 | SLE_SISMA_DOWN | NonStatic | Min | -409.804 | -1394.797 | 0.000 | 0.0000 |
| 28 | 1.02176 | SLE_SISMA_DOWN | NonStatic | Min | -438.667 | -1336.803 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.51088 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 1.02176 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -361.173 | -1304.856 | 0.000 | 0.0000 |
| 28 | 0.51088 | SLE_SISMA_UP | NonStatic | Min | -383.599 | -1246.863 | 0.000 | 0.0000 |
| 28 | 1.02176 | SLE_SISMA_UP | NonStatic | Min | -409.400 | -1188.869 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 28 | 0.51088 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 1.02176 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -506.712 | -1377.058 | 0.000 | 0.0000 |
| 28 | 0.51088 | SLU_SISMA_DOWN | NonStatic | Min | -533.580 | -1314.824 | 0.000 | 0.0000 |
| 28 | 1.02176 | SLU_SISMA_DOWN | NonStatic | Min | -564.493 | -1252.590 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.51088 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 1.02176 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -443.846 | -1034.219 | 0.000 | 0.0000 |
| 28 | 0.51088 | SLU_SISMA_UP | NonStatic | Min | -464.490 | -971.984 | 0.000 | 0.0000 |
| 28 | 1.02176 | SLU_SISMA_UP | NonStatic | Min | -488.242 | -909.750 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE | NonStatic | Max | 1329.876 | 224.922 | 0.000 | 0.0000 |
| 29 | 0.44994 | SLE | NonStatic | Max | 1329.876 | 236.171 | 0.000 | 0.0000 |
| 29 | 0.89989 | SLE | NonStatic | Max | 1329.876 | 247.419 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.44994 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.89989 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 1319.449 | 310.010 | 0.000 | 0.0000 |
| 29 | 0.44994 | SLE_SISMA_DOWN | NonStatic | Max | 1319.449 | 321.888 | 0.000 | 0.0000 |
| 29 | 0.89989 | SLE_SISMA_DOWN | NonStatic | Max | 1319.449 | 333.767 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.44994 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.89989 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 1171.336 | 291.107 | 0.000 | 0.0000 |
| 29 | 0.44994 | SLE_SISMA_UP | NonStatic | Max | 1171.336 | 301.726 | 0.000 | 0.0000 |
| 29 | 0.89989 | SLE_SISMA_UP | NonStatic | Max | 1171.336 | 312.344 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.44994 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.89989 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 1212.929 | 418.082 | 0.000 | 0.0000 |
| 29 | 0.44994 | SLU_SISMA_DOWN | NonStatic | Max | 1212.929 | 430.804 | 0.000 | 0.0000 |
| 29 | 0.89989 | SLU_SISMA_DOWN | NonStatic | Max | 1212.929 | 443.527 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.44994 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.89989 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 29 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 871.481 | 366.537 | 0.000 | 0.0000 |
| 29 | 0.44994 | SLU_SISMA_UP | NonStatic | Max | 871.481 | 376.312 | 0.000 | 0.0000 |
| 29 | 0.89989 | SLU_SISMA_UP | NonStatic | Max | 871.481 | 386.087 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.44994 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.89989 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE | NonStatic | Max | 1329.876 | 21.432 | 0.000 | 0.0000 |
| 30 | 0.44994 | SLE | NonStatic | Max | 1329.876 | 32.680 | 0.000 | 0.0000 |
| 30 | 0.89989 | SLE | NonStatic | Max | 1329.876 | 43.929 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.44994 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.89989 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 1319.449 | 83.191 | 0.000 | 0.0000 |
| 30 | 0.44994 | SLE_SISMA_DOWN | NonStatic | Max | 1319.449 | 95.069 | 0.000 | 0.0000 |
| 30 | 0.89989 | SLE_SISMA_DOWN | NonStatic | Max | 1319.449 | 106.948 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.44994 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.89989 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 1171.336 | 82.000 | 0.000 | 0.0000 |
| 30 | 0.44994 | SLE_SISMA_UP | NonStatic | Max | 1171.336 | 92.618 | 0.000 | 0.0000 |
| 30 | 0.89989 | SLE_SISMA_UP | NonStatic | Max | 1171.336 | 103.237 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.44994 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.89989 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 1212.929 | 160.634 | 0.000 | 0.0000 |
| 30 | 0.44994 | SLU_SISMA_DOWN | NonStatic | Max | 1212.929 | 173.356 | 0.000 | 0.0000 |
| 30 | 0.89989 | SLU_SISMA_DOWN | NonStatic | Max | 1212.929 | 186.078 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.44994 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.89989 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 871.481 | 151.339 | 0.000 | 0.0000 |
| 30 | 0.44994 | SLU_SISMA_UP | NonStatic | Max | 871.481 | 161.114 | 0.000 | 0.0000 |
| 30 | 0.89989 | SLU_SISMA_UP | NonStatic | Max | 871.481 | 170.889 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.44994 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 30 | 0.89989 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE | NonStatic | Max | 0.000 | 632.524 | 0.000 | 0.0000 |
| 31 | 0.45143 | SLE | NonStatic | Max | 0.000 | 642.931 | 0.000 | 0.0000 |
| 31 | 0.90286 | SLE | NonStatic | Max | 0.000 | 653.337 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE | NonStatic | Min | -924.167 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.45143 | SLE | NonStatic | Min | -928.534 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.90286 | SLE | NonStatic | Min | -932.901 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 664.383 | 0.000 | 0.0000 |
| 31 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 675.372 | 0.000 | 0.0000 |
| 31 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 686.361 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -971.968 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -976.580 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -981.191 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 597.677 | 0.000 | 0.0000 |
| 31 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 607.501 | 0.000 | 0.0000 |
| 31 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 617.325 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -931.054 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -935.176 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -939.299 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 670.662 | 0.000 | 0.0000 |
| 31 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 682.431 | 0.000 | 0.0000 |
| 31 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 694.201 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1165.782 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1170.722 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1175.661 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 512.520 | 0.000 | 0.0000 |
| 31 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 521.563 | 0.000 | 0.0000 |
| 31 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 530.606 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1067.997 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1071.792 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1075.587 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE | NonStatic | Max | 0.000 | 515.412 | 0.000 | 0.0000 |
| 32 | 0.45143 | SLE | NonStatic | Max | 0.000 | 526.107 | 0.000 | 0.0000 |
| 32 | 0.90286 | SLE | NonStatic | Max | 0.000 | 536.801 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE | NonStatic | Min | -890.570 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.45143 | SLE | NonStatic | Min | -894.174 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.90286 | SLE | NonStatic | Min | -897.779 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 32 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 524.033 | 0.000 | 0.0000 |
| 32 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 535.326 | 0.000 | 0.0000 |
| 32 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 546.620 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -937.380 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -941.186 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -944.993 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 469.744 | 0.000 | 0.0000 |
| 32 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 479.840 | 0.000 | 0.0000 |
| 32 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 489.936 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -899.954 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -903.356 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -906.759 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 505.695 | 0.000 | 0.0000 |
| 32 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 517.790 | 0.000 | 0.0000 |
| 32 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 529.886 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1132.269 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1136.346 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1140.423 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 378.325 | 0.000 | 0.0000 |
| 32 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 387.618 | 0.000 | 0.0000 |
| 32 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 396.912 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1042.729 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1045.861 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1048.994 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE | NonStatic | Max | 0.000 | 397.682 | 0.000 | 0.0000 |
| 33 | 0.45143 | SLE | NonStatic | Max | 0.000 | 408.609 | 0.000 | 0.0000 |
| 33 | 0.90286 | SLE | NonStatic | Max | 0.000 | 419.536 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE | NonStatic | Min | -863.933 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.45143 | SLE | NonStatic | Min | -866.756 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.90286 | SLE | NonStatic | Min | -869.579 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 386.981 | 0.000 | 0.0000 |
| 33 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 398.520 | 0.000 | 0.0000 |
| 33 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 410.058 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -911.205 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -914.187 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 33 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -917.168 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 345.085 | 0.000 | 0.0000 |
| 33 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 355.400 | 0.000 | 0.0000 |
| 33 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 365.715 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -876.542 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -879.207 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -881.873 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 349.222 | 0.000 | 0.0000 |
| 33 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 361.581 | 0.000 | 0.0000 |
| 33 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 373.939 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1108.649 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1111.842 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1115.036 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 252.282 | 0.000 | 0.0000 |
| 33 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 261.778 | 0.000 | 0.0000 |
| 33 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 271.273 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1025.543 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1027.996 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1030.450 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE | NonStatic | Max | 0.000 | 280.184 | 0.000 | 0.0000 |
| 34 | 0.45143 | SLE | NonStatic | Max | 0.000 | 291.286 | 0.000 | 0.0000 |
| 34 | 0.90286 | SLE | NonStatic | Max | 0.000 | 302.389 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE | NonStatic | Min | -844.236 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.45143 | SLE | NonStatic | Min | -846.263 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.90286 | SLE | NonStatic | Min | -848.291 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 254.088 | 0.000 | 0.0000 |
| 34 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 265.812 | 0.000 | 0.0000 |
| 34 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 277.536 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -893.140 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -895.280 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -897.421 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 224.502 | 0.000 | 0.0000 |
| 34 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 234.983 | 0.000 | 0.0000 |
| 34 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 245.463 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -860.522 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 34 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -862.436 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -864.349 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 202.185 | 0.000 | 0.0000 |
| 34 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 214.742 | 0.000 | 0.0000 |
| 34 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 227.298 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1094.235 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1096.528 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1098.821 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 135.200 | 0.000 | 0.0000 |
| 34 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 144.847 | 0.000 | 0.0000 |
| 34 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 154.495 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1015.791 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1017.552 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1019.314 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE | NonStatic | Max | 0.000 | 163.246 | 0.000 | 0.0000 |
| 35 | 0.45143 | SLE | NonStatic | Max | 0.000 | 174.465 | 0.000 | 0.0000 |
| 35 | 0.90286 | SLE | NonStatic | Max | 0.000 | 185.685 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE | NonStatic | Min | -831.426 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.45143 | SLE | NonStatic | Min | -832.646 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.90286 | SLE | NonStatic | Min | -833.867 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 125.668 | 0.000 | 0.0000 |
| 35 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 137.515 | 0.000 | 0.0000 |
| 35 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 149.363 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -882.843 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -884.132 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -885.421 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 108.305 | 0.000 | 0.0000 |
| 35 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 118.896 | 0.000 | 0.0000 |
| 35 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 129.487 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -851.563 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -852.715 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -853.867 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 64.967 | 0.000 | 0.0000 |
| 35 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 77.656 | 0.000 | 0.0000 |
| 35 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 90.345 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 35 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1088.302 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1089.683 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1091.063 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 27.458 | 0.000 | 0.0000 |
| 35 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 37.207 | 0.000 | 0.0000 |
| 35 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 46.957 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1012.788 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1013.849 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1014.910 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE | NonStatic | Max | 0.000 | 46.818 | 0.000 | 0.0000 |
| 36 | 0.45143 | SLE | NonStatic | Max | 0.000 | 58.096 | 0.000 | 0.0000 |
| 36 | 0.90286 | SLE | NonStatic | Max | 0.000 | 69.375 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE | NonStatic | Min | -825.446 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.45143 | SLE | NonStatic | Min | -825.854 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.90286 | SLE | NonStatic | Min | -826.261 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 1.648 | 0.000 | 0.0000 |
| 36 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 13.557 | 0.000 | 0.0000 |
| 36 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 25.467 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -879.977 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -880.408 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -880.838 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 7.104 | 0.000 | 0.0000 |
| 36 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 17.751 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -849.332 | -3.543 | 0.000 | 0.0000 |
| 36 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -849.717 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -850.102 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1090.120 | -62.422 | 0.000 | 0.0000 |
| 36 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1090.581 | -49.666 | 0.000 | 0.0000 |
| 36 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1091.042 | -36.910 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 36 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1015.841 | -70.842 | 0.000 | 0.0000 |
| 36 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1016.195 | -61.041 | 0.000 | 0.0000 |
| 36 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1016.549 | -51.240 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.45143 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.90286 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE | NonStatic | Min | -826.261 | -69.375 | 0.000 | 0.0000 |
| 37 | 0.45143 | SLE | NonStatic | Min | -825.854 | -58.096 | 0.000 | 0.0000 |
| 37 | 0.90286 | SLE | NonStatic | Min | -825.446 | -46.818 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -884.225 | -118.263 | 0.000 | 0.0000 |
| 37 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -883.794 | -106.353 | 0.000 | 0.0000 |
| 37 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -883.364 | -94.443 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -853.516 | -111.270 | 0.000 | 0.0000 |
| 37 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -853.131 | -100.623 | 0.000 | 0.0000 |
| 37 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -852.747 | -89.977 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1098.974 | -180.171 | 0.000 | 0.0000 |
| 37 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1098.513 | -167.416 | 0.000 | 0.0000 |
| 37 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1098.052 | -154.660 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1024.260 | -159.741 | 0.000 | 0.0000 |
| 37 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1023.905 | -149.941 | 0.000 | 0.0000 |
| 37 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1023.551 | -140.140 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.45143 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 38 | 0.90286 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE | NonStatic | Min | -833.867 | -185.685 | 0.000 | 0.0000 |
| 38 | 0.45143 | SLE | NonStatic | Min | -832.646 | -174.465 | 0.000 | 0.0000 |
| 38 | 0.90286 | SLE | NonStatic | Min | -831.426 | -163.246 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -895.301 | -234.416 | 0.000 | 0.0000 |
| 38 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -894.012 | -222.568 | 0.000 | 0.0000 |
| 38 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -892.723 | -210.720 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -863.826 | -215.160 | 0.000 | 0.0000 |
| 38 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -862.674 | -204.569 | 0.000 | 0.0000 |
| 38 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -861.522 | -193.977 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1114.175 | -288.506 | 0.000 | 0.0000 |
| 38 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1112.794 | -275.817 | 0.000 | 0.0000 |
| 38 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1111.414 | -263.128 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1037.366 | -239.302 | 0.000 | 0.0000 |
| 38 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1036.306 | -229.553 | 0.000 | 0.0000 |
| 38 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1035.245 | -219.803 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.45143 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.90286 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE | NonStatic | Min | -848.291 | -302.389 | 0.000 | 0.0000 |
| 39 | 0.45143 | SLE | NonStatic | Min | -846.263 | -291.286 | 0.000 | 0.0000 |
| 39 | 0.90286 | SLE | NonStatic | Min | -844.236 | -280.184 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 39 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -912.952 | -347.063 | 0.000 | 0.0000 |
| 39 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -910.812 | -335.339 | 0.000 | 0.0000 |
| 39 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -908.671 | -323.615 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -880.000 | -315.405 | 0.000 | 0.0000 |
| 39 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -878.086 | -304.924 | 0.000 | 0.0000 |
| 39 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -876.173 | -294.444 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1135.055 | -387.534 | 0.000 | 0.0000 |
| 39 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1132.762 | -374.978 | 0.000 | 0.0000 |
| 39 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1130.470 | -362.421 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1054.492 | -309.490 | 0.000 | 0.0000 |
| 39 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1052.730 | -299.843 | 0.000 | 0.0000 |
| 39 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1050.968 | -290.195 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.45143 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.90286 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE | NonStatic | Min | -869.579 | -419.536 | 0.000 | 0.0000 |
| 40 | 0.45143 | SLE | NonStatic | Min | -866.756 | -408.609 | 0.000 | 0.0000 |
| 40 | 0.90286 | SLE | NonStatic | Min | -863.933 | -397.682 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -936.943 | -456.211 | 0.000 | 0.0000 |
| 40 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -933.962 | -444.672 | 0.000 | 0.0000 |
| 40 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -930.980 | -433.134 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 40 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -901.789 | -411.975 | 0.000 | 0.0000 |
| 40 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -899.124 | -401.660 | 0.000 | 0.0000 |
| 40 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -896.459 | -391.345 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1160.955 | -477.109 | 0.000 | 0.0000 |
| 40 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1157.762 | -464.751 | 0.000 | 0.0000 |
| 40 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1154.569 | -452.393 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1074.964 | -370.076 | 0.000 | 0.0000 |
| 40 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1072.510 | -360.581 | 0.000 | 0.0000 |
| 40 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1070.057 | -351.085 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.45143 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.90286 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE | NonStatic | Min | -897.779 | -536.801 | 0.000 | 0.0000 |
| 41 | 0.45143 | SLE | NonStatic | Min | -894.174 | -526.107 | 0.000 | 0.0000 |
| 41 | 0.90286 | SLE | NonStatic | Min | -890.570 | -515.412 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -967.033 | -561.475 | 0.000 | 0.0000 |
| 41 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -963.227 | -550.182 | 0.000 | 0.0000 |
| 41 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -959.420 | -538.888 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -928.937 | -504.488 | 0.000 | 0.0000 |
| 41 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -925.534 | -494.393 | 0.000 | 0.0000 |
| 41 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -922.131 | -484.297 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 41 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1191.201 | -556.702 | 0.000 | 0.0000 |
| 41 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1187.124 | -544.607 | 0.000 | 0.0000 |
| 41 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1183.047 | -532.511 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1098.091 | -420.546 | 0.000 | 0.0000 |
| 41 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1094.958 | -411.252 | 0.000 | 0.0000 |
| 41 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1091.826 | -401.959 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.45143 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.90286 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE | NonStatic | Min | -932.901 | -653.337 | 0.000 | 0.0000 |
| 42 | 0.45143 | SLE | NonStatic | Min | -928.534 | -642.931 | 0.000 | 0.0000 |
| 42 | 0.90286 | SLE | NonStatic | Min | -924.167 | -632.524 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1002.945 | -661.943 | 0.000 | 0.0000 |
| 42 | 0.45143 | SLE_SISMA_DOWN | NonStatic | Min | -998.333 | -650.954 | 0.000 | 0.0000 |
| 42 | 0.90286 | SLE_SISMA_DOWN | NonStatic | Min | -993.721 | -639.965 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.45143 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.90286 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -961.152 | -592.096 | 0.000 | 0.0000 |
| 42 | 0.45143 | SLE_SISMA_UP | NonStatic | Min | -957.029 | -582.272 | 0.000 | 0.0000 |
| 42 | 0.90286 | SLE_SISMA_UP | NonStatic | Min | -952.906 | -572.448 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1225.071 | -625.297 | 0.000 | 0.0000 |
| 42 | 0.45143 | SLU_SISMA_DOWN | NonStatic | Min | -1220.132 | -613.527 | 0.000 | 0.0000 |
| 42 | 0.90286 | SLU_SISMA_DOWN | NonStatic | Min | -1215.193 | -601.757 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 42 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.45143 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.90286 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1123.139 | -460.032 | 0.000 | 0.0000 |
| 42 | 0.45143 | SLU_SISMA_UP | NonStatic | Min | -1119.344 | -450.988 | 0.000 | 0.0000 |
| 42 | 0.90286 | SLU_SISMA_UP | NonStatic | Min | -1115.549 | -441.945 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE | NonStatic | Max | 1329.876 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.44994 | SLE | NonStatic | Max | 1329.876 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.89989 | SLE | NonStatic | Max | 1329.876 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE | NonStatic | Min | 0.000 | -43.929 | 0.000 | 0.0000 |
| 43 | 0.44994 | SLE | NonStatic | Min | 0.000 | -32.680 | 0.000 | 0.0000 |
| 43 | 0.89989 | SLE | NonStatic | Min | 0.000 | -21.432 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 1414.334 | 15.139 | 0.000 | 0.0000 |
| 43 | 0.44994 | SLE_SISMA_DOWN | NonStatic | Max | 1414.334 | 27.018 | 0.000 | 0.0000 |
| 43 | 0.89989 | SLE_SISMA_DOWN | NonStatic | Max | 1414.334 | 38.896 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.44994 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.89989 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 1265.622 | 19.578 | 0.000 | 0.0000 |
| 43 | 0.44994 | SLE_SISMA_UP | NonStatic | Max | 1265.622 | 30.196 | 0.000 | 0.0000 |
| 43 | 0.89989 | SLE_SISMA_UP | NonStatic | Max | 1265.622 | 40.815 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.44994 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.89989 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 1399.398 | 94.316 | 0.000 | 0.0000 |
| 43 | 0.44994 | SLU_SISMA_DOWN | NonStatic | Max | 1399.398 | 107.038 | 0.000 | 0.0000 |
| 43 | 0.89989 | SLU_SISMA_DOWN | NonStatic | Max | 1399.398 | 119.760 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.44994 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.89989 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 1040.674 | 99.933 | 0.000 | 0.0000 |
| 43 | 0.44994 | SLU_SISMA_UP | NonStatic | Max | 1040.674 | 109.708 | 0.000 | 0.0000 |
| 43 | 0.89989 | SLU_SISMA_UP | NonStatic | Max | 1040.674 | 119.483 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.44994 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 43 | 0.89989 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE | NonStatic | Max | 1329.876 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.44994 | SLE | NonStatic | Max | 1329.876 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.89989 | SLE | NonStatic | Max | 1329.876 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE | NonStatic | Min | 0.000 | -247.419 | 0.000 | 0.0000 |
| 44 | 0.44994 | SLE | NonStatic | Min | 0.000 | -236.171 | 0.000 | 0.0000 |
| 44 | 0.89989 | SLE | NonStatic | Min | 0.000 | -224.922 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 1414.334 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.44994 | SLE_SISMA_DOWN | NonStatic | Max | 1414.334 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.89989 | SLE_SISMA_DOWN | NonStatic | Max | 1414.334 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | -182.177 | 0.000 | 0.0000 |
| 44 | 0.44994 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | -170.299 | 0.000 | 0.0000 |
| 44 | 0.89989 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | -158.420 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 1265.622 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.44994 | SLE_SISMA_UP | NonStatic | Max | 1265.622 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.89989 | SLE_SISMA_UP | NonStatic | Max | 1265.622 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | 0.000 | -160.422 | 0.000 | 0.0000 |
| 44 | 0.44994 | SLE_SISMA_UP | NonStatic | Min | 0.000 | -149.804 | 0.000 | 0.0000 |
| 44 | 0.89989 | SLE_SISMA_UP | NonStatic | Min | 0.000 | -139.185 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 1399.398 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.44994 | SLU_SISMA_DOWN | NonStatic | Max | 1399.398 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.89989 | SLU_SISMA_DOWN | NonStatic | Max | 1399.398 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | -95.776 | 0.000 | 0.0000 |
| 44 | 0.44994 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | -83.054 | 0.000 | 0.0000 |
| 44 | 0.89989 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | -70.332 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 1040.674 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.44994 | SLU_SISMA_UP | NonStatic | Max | 1040.674 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.89989 | SLU_SISMA_UP | NonStatic | Max | 1040.674 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | 0.000 | -49.098 | 0.000 | 0.0000 |
| 44 | 0.44994 | SLU_SISMA_UP | NonStatic | Min | 0.000 | -39.323 | 0.000 | 0.0000 |
| 44 | 0.89989 | SLU_SISMA_UP | NonStatic | Min | 0.000 | -29.548 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.03479 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 2.06958 | SLE | NonStatic | Max | 0.000 | 22.497 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLE | NonStatic | Min | -2168.891 | -22.497 | 0.000 | 0.0000 |
| 45 | 1.03479 | SLE | NonStatic | Min | -2181.663 | -1.332E-14 | 0.000 | 0.0000 |
| 45 | 2.06958 | SLE | NonStatic | Min | -2194.435 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 45 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.03479 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 2.06958 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 23.757 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -2338.652 | -23.757 | 0.000 | 0.0000 |
| 45 | 1.03479 | SLE_SISMA_DOWN | NonStatic | Min | -2352.139 | -8.882E-15 | 0.000 | 0.0000 |
| 45 | 2.06958 | SLE_SISMA_DOWN | NonStatic | Min | -2365.626 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.03479 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 2.06958 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 21.237 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -2159.970 | -21.237 | 0.000 | 0.0000 |
| 45 | 1.03479 | SLE_SISMA_UP | NonStatic | Min | -2172.027 | -4.441E-15 | 0.000 | 0.0000 |
| 45 | 2.06958 | SLE_SISMA_UP | NonStatic | Min | -2184.084 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.03479 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 2.06958 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 25.444 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -2576.631 | -25.444 | 0.000 | 0.0000 |
| 45 | 1.03479 | SLU_SISMA_DOWN | NonStatic | Min | -2591.076 | -8.882E-15 | 0.000 | 0.0000 |
| 45 | 2.06958 | SLU_SISMA_DOWN | NonStatic | Min | -2605.521 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.03479 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 2.220E-15 | 0.000 | 0.0000 |
| 45 | 2.06958 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 19.550 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -2142.405 | -19.550 | 0.000 | 0.0000 |
| 45 | 1.03479 | SLU_SISMA_UP | NonStatic | Min | -2153.504 | 0.000 | 0.000 | 0.0000 |
| 45 | 2.06958 | SLU_SISMA_UP | NonStatic | Min | -2164.603 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.03479 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 2.06958 | SLE | NonStatic | Max | 0.000 | 22.497 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE | NonStatic | Min | -2194.435 | -22.497 | 0.000 | 0.0000 |
| 46 | 1.03479 | SLE | NonStatic | Min | -2181.663 | -1.332E-14 | 0.000 | 0.0000 |
| 46 | 2.06958 | SLE | NonStatic | Min | -2168.891 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.03479 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 2.06958 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 23.757 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -2212.729 | -23.757 | 0.000 | 0.0000 |
| 46 | 1.03479 | SLE_SISMA_DOWN | NonStatic | Min | -2199.242 | -8.882E-15 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 46 | 2.06958 | SLE_SISMA_DOWN | NonStatic | Min | -2185.755 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.03479 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 2.06958 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 21.237 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -2031.293 | -21.237 | 0.000 | 0.0000 |
| 46 | 1.03479 | SLE_SISMA_UP | NonStatic | Min | -2019.237 | -4.441E-15 | 0.000 | 0.0000 |
| 46 | 2.06958 | SLE_SISMA_UP | NonStatic | Min | -2007.180 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.03479 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 2.06958 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 25.444 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -2284.063 | -25.444 | 0.000 | 0.0000 |
| 46 | 1.03479 | SLU_SISMA_DOWN | NonStatic | Min | -2269.618 | -8.882E-15 | 0.000 | 0.0000 |
| 46 | 2.06958 | SLU_SISMA_DOWN | NonStatic | Min | -2255.173 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.03479 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 2.220E-15 | 0.000 | 0.0000 |
| 46 | 2.06958 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 19.550 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1864.608 | -19.550 | 0.000 | 0.0000 |
| 46 | 1.03479 | SLU_SISMA_UP | NonStatic | Min | -1853.509 | 0.000 | 0.000 | 0.0000 |
| 46 | 2.06958 | SLU_SISMA_UP | NonStatic | Min | -1842.411 | 0.000 | 0.000 | 0.0000 |

## Table: Element Forces - Frames, Part 2 of 2

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 1 | 0.00000 | SLE | Max | 0.0000 | 870.5279 | 1-1 | 0.00000 |
| 1 | 0.51088 | SLE | Max | 0.0000 | 1567.7600 | 1-1 | 0.51088 |
| 1 | 1.02176 | SLE | Max | 0.0000 | 2297.5128 | 1-1 | 1.02176 |
| 1 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 1-1 | 0.00000 |
| 1 | 0.51088 | SLE | Min | 0.0000 | 0.0000 | 1-1 | 0.51088 |
| 1 | 1.02176 | SLE | Min | 0.0000 | 0.0000 | 1-1 | 1.02176 |
| 1 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 908.0090 | 1-1 | 0.00000 |
| 1 | 0.51088 | SLE_SISMA_DOWN | Max | 0.0000 | 1648.2719 | 1-1 | 0.51088 |
| 1 | 1.02176 | SLE_SISMA_DOWN | Max | 0.0000 | 2423.9484 | 1-1 | 1.02176 |
| 1 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 0.00000 |
| 1 | 0.51088 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 0.51088 |
| 1 | 1.02176 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 1.02176 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 1 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 826.4763 | 1-1 | 0.00000 |
| 1 | 0.51088 | SLE_SISMA_UP | Max | 0.0000 | 1490.7649 | 1-1 | 0.51088 |
| 1 | 1.02176 | SLE_SISMA_UP | Max | 0.0000 | 2190.4672 | 1-1 | 1.02176 |
| 1 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 0.00000 |
| 1 | 0.51088 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 0.51088 |
| 1 | 1.02176 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 1.02176 |
| 1 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 929.7168 | 1-1 | 0.00000 |
| 1 | 0.51088 | SLU_SISMA_DOWN | Max | 0.0000 | 1667.7383 | 1-1 | 0.51088 |
| 1 | 1.02176 | SLU_SISMA_DOWN | Max | 0.0000 | 2451.9511 | 1-1 | 1.02176 |
| 1 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 0.00000 |
| 1 | 0.51088 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 0.51088 |
| 1 | 1.02176 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 1.02176 |
| 1 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 734.0837 | 1-1 | 0.00000 |
| 1 | 0.51088 | SLU_SISMA_UP | Max | 0.0000 | 1288.8399 | 1-1 | 0.51088 |
| 1 | 1.02176 | SLU_SISMA_UP | Max | 0.0000 | 1889.7874 | 1-1 | 1.02176 |
| 1 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 0.00000 |
| 1 | 0.51088 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 0.51088 |
| 1 | 1.02176 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 1.02176 |
| 2 | 0.00000 | SLE | Max | 0.0000 | 2297.5128 | 2-1 | 0.00000 |
| 2 | 0.42395 | SLE | Max | 0.0000 | 2126.5979 | 2-1 | 0.42395 |
| 2 | 0.84789 | SLE | Max | 0.0000 | 1976.6368 | 2-1 | 0.84789 |
| 2 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 2-1 | 0.00000 |
| 2 | 0.42395 | SLE | Min | 0.0000 | 0.0000 | 2-1 | 0.42395 |
| 2 | 0.84789 | SLE | Min | 0.0000 | 0.0000 | 2-1 | 0.84789 |
| 2 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 2423.9484 | 2-1 | 0.00000 |
| 2 | 0.42395 | SLE_SISMA_DOWN | Max | 0.0000 | 2226.6189 | 2-1 | 0.42395 |
| 2 | 0.84789 | SLE_SISMA_DOWN | Max | 0.0000 | 2052.2354 | 2-1 | 0.84789 |
| 2 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.00000 |
| 2 | 0.42395 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.42395 |
| 2 | 0.84789 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.84789 |
| 2 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 2190.4672 | 2-1 | 0.00000 |
| 2 | 0.42395 | SLE_SISMA_UP | Max | 0.0000 | 1996.4947 | 2-1 | 0.42395 |
| 2 | 0.84789 | SLE_SISMA_UP | Max | 0.0000 | 1825.4683 | 2-1 | 0.84789 |
| 2 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.00000 |
| 2 | 0.42395 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.42395 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 2 | 0.84789 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.84789 |
| 2 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 2451.9511 | 2-1 | 0.00000 |
| 2 | 0.42395 | SLU_SISMA_DOWN | Max | 0.0000 | 2181.6540 | 2-1 | 0.42395 |
| 2 | 0.84789 | SLU_SISMA_DOWN | Max | 0.0000 | 1941.4380 | 2-1 | 0.84789 |
| 2 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.00000 |
| 2 | 0.42395 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.42395 |
| 2 | 0.84789 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.84789 |
| 2 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 1889.7874 | 2-1 | 0.00000 |
| 2 | 0.42395 | SLU_SISMA_UP | Max | 0.0000 | 1628.7331 | 2-1 | 0.42395 |
| 2 | 0.84789 | SLU_SISMA_UP | Max | 0.0000 | 1397.7599 | 2-1 | 0.84789 |
| 2 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.00000 |
| 2 | 0.42395 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.42395 |
| 2 | 0.84789 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.84789 |
| 3 | 0.00000 | SLE | Max | 0.0000 | 1976.6368 | 3-1 | 0.00000 |
| 3 | 0.42395 | SLE | Max | 0.0000 | 1851.3266 | 3-1 | 0.42395 |
| 3 | 0.84789 | SLE | Max | 0.0000 | 1745.6828 | 3-1 | 0.84789 |
| 3 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 3-1 | 0.00000 |
| 3 | 0.42395 | SLE | Min | 0.0000 | 0.0000 | 3-1 | 0.42395 |
| 3 | 0.84789 | SLE | Min | 0.0000 | 0.0000 | 3-1 | 0.84789 |
| 3 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 2052.2354 | 3-1 | 0.00000 |
| 3 | 0.42395 | SLE_SISMA_DOWN | Max | 0.0000 | 1900.1541 | 3-1 | 0.42395 |
| 3 | 0.84789 | SLE_SISMA_DOWN | Max | 0.0000 | 1769.7312 | 3-1 | 0.84789 |
| 3 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.00000 |
| 3 | 0.42395 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.42395 |
| 3 | 0.84789 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.84789 |
| 3 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 1825.4683 | 3-1 | 0.00000 |
| 3 | 0.42395 | SLE_SISMA_UP | Max | 0.0000 | 1676.7440 | 3-1 | 0.42395 |
| 3 | 0.84789 | SLE_SISMA_UP | Max | 0.0000 | 1549.6781 | 3-1 | 0.84789 |
| 3 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.00000 |
| 3 | 0.42395 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.42395 |
| 3 | 0.84789 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.84789 |
| 3 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 1941.4380 | 3-1 | 0.00000 |
| 3 | 0.42395 | SLU_SISMA_DOWN | Max | 0.0000 | 1730.5310 | 3-1 | 0.42395 |
| 3 | 0.84789 | SLU_SISMA_DOWN | Max | 0.0000 | 1548.1613 | 3-1 | 0.84789 |
| 3 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 3 | 0.42395 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.42395 |
| 3 | 0.84789 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.84789 |
| 3 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 1397.7599 | 3-1 | 0.00000 |
| 3 | 0.42395 | SLU_SISMA_UP | Max | 0.0000 | 1196.0958 | 3-1 | 0.42395 |
| 3 | 0.84789 | SLU_SISMA_UP | Max | 0.0000 | 1022.9688 | 3-1 | 0.84789 |
| 3 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.00000 |
| 3 | 0.42395 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.42395 |
| 3 | 0.84789 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.84789 |
| 4 | 0.00000 | SLE | Max | 0.0000 | 1745.6828 | 4-1 | 0.00000 |
| 4 | 0.42395 | SLE | Max | 0.0000 | 1663.9460 | 4-1 | 0.42395 |
| 4 | 0.84789 | SLE | Max | 0.0000 | 1600.5727 | 4-1 | 0.84789 |
| 4 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 4-1 | 0.00000 |
| 4 | 0.42395 | SLE | Min | 0.0000 | 0.0000 | 4-1 | 0.42395 |
| 4 | 0.84789 | SLE | Min | 0.0000 | 0.0000 | 4-1 | 0.84789 |
| 4 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 1769.7312 | 4-1 | 0.00000 |
| 4 | 0.42395 | SLE_SISMA_DOWN | Max | 0.0000 | 1660.3152 | 4-1 | 0.42395 |
| 4 | 0.84789 | SLE_SISMA_DOWN | Max | 0.0000 | 1571.2547 | 4-1 | 0.84789 |
| 4 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.00000 |
| 4 | 0.42395 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.42395 |
| 4 | 0.84789 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.84789 |
| 4 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 1549.6781 | 4-1 | 0.00000 |
| 4 | 0.42395 | SLE_SISMA_UP | Max | 0.0000 | 1443.6191 | 4-1 | 0.42395 |
| 4 | 0.84789 | SLE_SISMA_UP | Max | 0.0000 | 1357.9156 | 4-1 | 0.84789 |
| 4 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.00000 |
| 4 | 0.42395 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.42395 |
| 4 | 0.84789 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.84789 |
| 4 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 1548.1613 | 4-1 | 0.00000 |
| 4 | 0.42395 | SLU_SISMA_DOWN | Max | 0.0000 | 1393.5476 | 4-1 | 0.42395 |
| 4 | 0.84789 | SLU_SISMA_DOWN | Max | 0.0000 | 1265.9090 | 4-1 | 0.84789 |
| 4 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.00000 |
| 4 | 0.42395 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.42395 |
| 4 | 0.84789 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.84789 |
| 4 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 1022.9688 | 4-1 | 0.00000 |
| 4 | 0.42395 | SLU_SISMA_UP | Max | 0.0000 | 877.5980 | 4-1 | 0.42395 |
| 4 | 0.84789 | SLU_SISMA_UP | Max | 0.0000 | 759.2021 | 4-1 | 0.84789 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 4 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.00000 |
| 4 | 0.42395 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.42395 |
| 4 | 0.84789 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.84789 |
| 5 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 5-1 | 0.00000 |
| 5 | 0.55314 | SLE | Max | 0.0000 | 0.0000 | 5-1 | 0.55314 |
| 5 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 5-1 | 1.10627 |
| 5 | 0.00000 | SLE | Min | 0.0000 | -1600.5727 | 5-1 | 0.00000 |
| 5 | 0.55314 | SLE | Min | 0.0000 | -1493.8849 | 5-1 | 0.55314 |
| 5 | 1.10627 | SLE | Min | 0.0000 | -1416.8851 | 5-1 | 1.10627 |
| 5 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 0.00000 |
| 5 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 0.55314 |
| 5 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 1.10627 |
| 5 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1571.2547 | 5-1 | 0.00000 |
| 5 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -1430.6520 | 5-1 | 0.55314 |
| 5 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | -1323.1628 | 5-1 | 1.10627 |
| 5 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 0.00000 |
| 5 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 0.55314 |
| 5 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 1.10627 |
| 5 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1357.9156 | 5-1 | 0.00000 |
| 5 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -1225.9586 | 5-1 | 0.55314 |
| 5 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -1127.0045 | 5-1 | 1.10627 |
| 5 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 0.00000 |
| 5 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 0.55314 |
| 5 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 1.10627 |
| 5 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1265.9090 | 5-1 | 0.00000 |
| 5 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -1084.2611 | 5-1 | 0.55314 |
| 5 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | -946.4960 | 5-1 | 1.10627 |
| 5 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 0.00000 |
| 5 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 0.55314 |
| 5 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 1.10627 |
| 5 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -759.2021 | 5-1 | 0.00000 |
| 5 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | -599.7605 | 5-1 | 0.55314 |
| 5 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | -483.9395 | 5-1 | 1.10627 |
| 6 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 6-1 | 0.00000 |
| 6 | 0.55314 | SLE | Max | 0.0000 | 0.0000 | 6-1 | 0.55314 |
| 6 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 6-1 | 1.10627 |
| 6 | 0.00000 | SLE | Min | 0.0000 | -1416.8851 | 6-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 6 | 0.55314 | SLE | Min | 0.0000 | -1267.3022 | 6-1 | 0.55314 |
| 6 | 1.10627 | SLE | Min | 0.0000 | -1148.0719 | 6-1 | 1.10627 |
| 6 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 0.00000 |
| 6 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 0.55314 |
| 6 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 1.10627 |
| 6 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1323.1628 | 6-1 | 0.00000 |
| 6 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -1147.0543 | 6-1 | 0.55314 |
| 6 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | -1004.7567 | 6-1 | 1.10627 |
| 6 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 0.00000 |
| 6 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 0.55314 |
| 6 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 1.10627 |
| 6 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1127.0045 | 6-1 | 0.00000 |
| 6 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -967.1501 | 6-1 | 0.55314 |
| 6 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -840.6025 | 6-1 | 1.10627 |
| 6 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 0.00000 |
| 6 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 0.55314 |
| 6 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 1.10627 |
| 6 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -946.4960 | 6-1 | 0.00000 |
| 6 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -750.2912 | 6-1 | 0.55314 |
| 6 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | -597.8890 | 6-1 | 1.10627 |
| 6 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 0.00000 |
| 6 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 0.55314 |
| 6 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 1.10627 |
| 6 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -483.9395 | 6-1 | 0.00000 |
| 6 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | -328.0052 | 6-1 | 0.55314 |
| 6 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | -214.6623 | 6-1 | 1.10627 |
| 7 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 7-1 | 0.00000 |
| 7 | 0.55314 | SLE | Max | 0.0000 | 0.0000 | 7-1 | 0.55314 |
| 7 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 7-1 | 1.10627 |
| 7 | 0.00000 | SLE | Min | 0.0000 | -1148.0719 | 7-1 | 0.00000 |
| 7 | 0.55314 | SLE | Min | 0.0000 | -967.1081 | 7-1 | 0.55314 |
| 7 | 1.10627 | SLE | Min | 0.0000 | -819.3790 | 7-1 | 1.10627 |
| 7 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 0.00000 |
| 7 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 0.55314 |
| 7 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 1.10627 |
| 7 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1004.7567 | 7-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 7 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -805.4021 | 7-1 | 0.55314 |
| 7 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | -642.7443 | 7-1 | 1.10627 |
| 7 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 0.00000 |
| 7 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 0.55314 |
| 7 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 1.10627 |
| 7 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -840.6025 | 7-1 | 0.00000 |
| 7 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -663.1634 | 7-1 | 0.55314 |
| 7 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -521.2860 | 7-1 | 1.10627 |
| 7 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 0.00000 |
| 7 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 0.55314 |
| 7 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 1.10627 |
| 7 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -597.8890 | 7-1 | 0.00000 |
| 7 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -397.8435 | 7-1 | 0.55314 |
| 7 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | -243.5284 | 7-1 | 1.10627 |
| 7 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 0.00000 |
| 7 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 0.55314 |
| 7 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 35.1911 | 7-1 | 1.10627 |
| 7 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -214.6623 | 7-1 | 0.00000 |
| 7 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | -68.2362 | 7-1 | 0.55314 |
| 7 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 7-1 | 1.10627 |
| 8 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 8-1 | 0.00000 |
| 8 | 0.55314 | SLE | Max | 0.0000 | 0.0000 | 8-1 | 0.55314 |
| 8 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 8-1 | 1.10627 |
| 8 | 0.00000 | SLE | Min | 0.0000 | -819.3790 | 8-1 | 0.00000 |
| 8 | 0.55314 | SLE | Min | 0.0000 | -625.1905 | 8-1 | 0.55314 |
| 8 | 1.10627 | SLE | Min | 0.0000 | -467.2876 | 8-1 | 1.10627 |
| 8 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 0.00000 |
| 8 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 0.55314 |
| 8 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 1.10627 |
| 8 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -642.7443 | 8-1 | 0.00000 |
| 8 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -438.7478 | 8-1 | 0.55314 |
| 8 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | -274.3845 | 8-1 | 1.10627 |
| 8 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 | 0.00000 |
| 8 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 | 0.55314 |
| 8 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 | 1.10627 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 8 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -521.2860 | 8-1 | 0.00000 |
| 8 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -342.1528 | 8-1 | 0.55314 |
| 8 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -200.8882 | 8-1 | 1.10627 |
| 8 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 0.00000 |
| 8 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 0.55314 |
| 8 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 84.5556 | 8-1 | 1.10627 |
| 8 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -243.5284 | 8-1 | 0.00000 |
| 8 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -55.7253 | 8-1 | 0.55314 |
| 8 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 8-1 | 1.10627 |
| 8 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 35.1911 | 8-1 | 0.00000 |
| 8 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 162.5806 | 8-1 | 0.55314 |
| 8 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 246.7020 | 8-1 | 1.10627 |
| 8 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 8-1 | 0.00000 |
| 8 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 8-1 | 0.55314 |
| 8 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 8-1 | 1.10627 |
| 9 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 9-1 | 0.00000 |
| 9 | 0.55314 | SLE | Max | 0.0000 | 0.0000 | 9-1 | 0.55314 |
| 9 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 9-1 | 1.10627 |
| 9 | 0.00000 | SLE | Min | 0.0000 | -467.2876 | 9-1 | 0.00000 |
| 9 | 0.55314 | SLE | Min | 0.0000 | -276.8925 | 9-1 | 0.55314 |
| 9 | 1.10627 | SLE | Min | 0.0000 | -123.4553 | 9-1 | 1.10627 |
| 9 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 | 0.00000 |
| 9 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 | 0.55314 |
| 9 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 69.2368 | 9-1 | 1.10627 |
| 9 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -274.3845 | 9-1 | 0.00000 |
| 9 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -82.5892 | 9-1 | 0.55314 |
| 9 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 9-1 | 1.10627 |
| 9 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 9-1 | 0.00000 |
| 9 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 9-1 | 0.55314 |
| 9 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 94.3626 | 9-1 | 1.10627 |
| 9 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -200.8882 | 9-1 | 0.00000 |
| 9 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -34.3287 | 9-1 | 0.55314 |
| 9 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 9-1 | 1.10627 |
| 9 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 84.5556 | 9-1 | 0.00000 |
| 9 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 246.8323 | 9-1 | 0.55314 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 9 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 362.6287 | 9-1 | 1.10627 |
| 9 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 9-1 | 0.00000 |
| 9 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 9-1 | 0.55314 |
| 9 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 9-1 | 1.10627 |
| 9 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 246.7020 | 9-1 | 0.00000 |
| 9 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 348.0123 | 9-1 | 0.55314 |
| 9 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 407.9308 | 9-1 | 1.10627 |
| 9 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 9-1 | 0.00000 |
| 9 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 9-1 | 0.55314 |
| 9 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 9-1 | 1.10627 |
| 10 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 10-1 | 0.00000 |
| 10 | 0.55314 | SLE | Max | 0.0000 | 51.5459 | 10-1 | 0.55314 |
| 10 | 1.10627 | SLE | Max | 0.0000 | 189.9170 | 10-1 | 1.10627 |
| 10 | 0.00000 | SLE | Min | 0.0000 | -123.4553 | 10-1 | 0.00000 |
| 10 | 0.55314 | SLE | Min | 0.0000 | 0.0000 | 10-1 | 0.55314 |
| 10 | 1.10627 | SLE | Min | 0.0000 | 0.0000 | 10-1 | 1.10627 |
| 10 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 69.2368 | 10-1 | 0.00000 |
| 10 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 238.1112 | 10-1 | 0.55314 |
| 10 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 367.7785 | 10-1 | 1.10627 |
| 10 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 | 0.00000 |
| 10 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 | 0.55314 |
| 10 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 | 1.10627 |
| 10 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 94.3626 | 10-1 | 0.00000 |
| 10 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 239.5577 | 10-1 | 0.55314 |
| 10 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 347.8391 | 10-1 | 1.10627 |
| 10 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 0.00000 |
| 10 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 0.55314 |
| 10 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 1.10627 |
| 10 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 362.6287 | 10-1 | 0.00000 |
| 10 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 493.0424 | 10-1 | 0.55314 |
| 10 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 579.1184 | 10-1 | 1.10627 |
| 10 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 | 0.00000 |
| 10 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 | 0.55314 |
| 10 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 | 1.10627 |
| 10 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 407.9308 | 10-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 10 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 481.5359 | 10-1 | 0.55314 |
| 10 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 516.3796 | 10-1 | 1.10627 |
| 10 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 0.00000 |
| 10 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 0.55314 |
| 10 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 1.10627 |
| 11 | 0.00000 | SLE | Max | 0.0000 | 189.9170 | 11-1 | 0.00000 |
| 11 | 0.55314 | SLE | Max | 0.0000 | 340.7414 | 11-1 | 0.55314 |
| 11 | 1.10627 | SLE | Max | 0.0000 | 454.9465 | 11-1 | 1.10627 |
| 11 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 11-1 | 0.00000 |
| 11 | 0.55314 | SLE | Min | 0.0000 | 0.0000 | 11-1 | 0.55314 |
| 11 | 1.10627 | SLE | Min | 0.0000 | 0.0000 | 11-1 | 1.10627 |
| 11 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 367.7785 | 11-1 | 0.00000 |
| 11 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 506.2067 | 11-1 | 0.55314 |
| 11 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 605.8485 | 11-1 | 1.10627 |
| 11 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 0.00000 |
| 11 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 0.55314 |
| 11 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 1.10627 |
| 11 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 347.8391 | 11-1 | 0.00000 |
| 11 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 465.6914 | 11-1 | 0.55314 |
| 11 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 547.2400 | 11-1 | 1.10627 |
| 11 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 0.00000 |
| 11 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 0.55314 |
| 11 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 1.10627 |
| 11 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 579.1184 | 11-1 | 0.00000 |
| 11 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 674.6583 | 11-1 | 0.55314 |
| 11 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 727.4640 | 11-1 | 1.10627 |
| 11 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 0.00000 |
| 11 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 0.55314 |
| 11 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 1.10627 |
| 11 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 516.3796 | 11-1 | 0.00000 |
| 11 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 563.0461 | 11-1 | 0.55314 |
| 11 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 573.0244 | 11-1 | 1.10627 |
| 11 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 0.00000 |
| 11 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 0.55314 |
| 11 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 1.10627 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 12 | 0.00000 | SLE | Max | 0.0000 | 454.9465 | 12-1 | 0.00000 |
| 12 | 0.55314 | SLE | Max | 0.0000 | 573.8387 | 12-1 | 0.55314 |
| 12 | 1.10627 | SLE | Max | 0.0000 | 655.8884 | 12-1 | 1.10627 |
| 12 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 12-1 | 0.00000 |
| 12 | 0.55314 | SLE | Min | 0.0000 | 0.0000 | 12-1 | 0.55314 |
| 12 | 1.10627 | SLE | Min | 0.0000 | 0.0000 | 12-1 | 1.10627 |
| 12 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 605.8485 | 12-1 | 0.00000 |
| 12 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 707.4186 | 12-1 | 0.55314 |
| 12 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 770.3224 | 12-1 | 1.10627 |
| 12 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 0.00000 |
| 12 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 0.55314 |
| 12 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 1.10627 |
| 12 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 547.2400 | 12-1 | 0.00000 |
| 12 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 632.6773 | 12-1 | 0.55314 |
| 12 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 682.1027 | 12-1 | 1.10627 |
| 12 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 0.00000 |
| 12 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 0.55314 |
| 12 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 1.10627 |
| 12 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 727.4640 | 12-1 | 0.00000 |
| 12 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 785.8090 | 12-1 | 0.55314 |
| 12 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 802.4591 | 12-1 | 1.10627 |
| 12 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 0.00000 |
| 12 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 0.55314 |
| 12 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 1.10627 |
| 12 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 573.0244 | 12-1 | 0.00000 |
| 12 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 593.6743 | 12-1 | 0.55314 |
| 12 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 579.0929 | 12-1 | 1.10627 |
| 12 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 0.00000 |
| 12 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 0.55314 |
| 12 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 1.10627 |
| 13 | 0.00000 | SLE | Max | 0.0000 | 655.8884 | 13-1 | 0.00000 |
| 13 | 0.55314 | SLE | Max | 0.0000 | 736.9128 | 13-1 | 0.55314 |
| 13 | 1.10627 | SLE | Max | 0.0000 | 781.0323 | 13-1 | 1.10627 |
| 13 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 13-1 | 0.00000 |
| 13 | 0.55314 | SLE | Min | 0.0000 | 0.0000 | 13-1 | 0.55314 |
| 13 | 1.10627 | SLE | Min | 0.0000 | 0.0000 | 13-1 | 1.10627 |
| 13 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 770.3224 | 13-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 13 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 830.3929 | 13-1 | 0.55314 |
| 13 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 851.9930 | 13-1 | 1.10627 |
| 13 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 0.00000 |
| 13 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 0.55314 |
| 13 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 1.10627 |
| 13 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 682.1027 | 13-1 | 0.00000 |
| 13 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 731.5064 | 13-1 | 0.55314 |
| 13 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 745.2007 | 13-1 | 1.10627 |
| 13 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 0.00000 |
| 13 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 0.55314 |
| 13 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 1.10627 |
| 13 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 802.4591 | 13-1 | 0.00000 |
| 13 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 822.3677 | 13-1 | 0.55314 |
| 13 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 801.4170 | 13-1 | 1.10627 |
| 13 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 0.00000 |
| 13 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 0.55314 |
| 13 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 1.10627 |
| 13 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 579.0929 | 13-1 | 0.00000 |
| 13 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 574.9348 | 13-1 | 0.55314 |
| 13 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 536.6390 | 13-1 | 1.10627 |
| 13 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 0.00000 |
| 13 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 0.55314 |
| 13 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 1.10627 |
| 14 | 0.00000 | SLE | Max | 0.0000 | 781.0323 | 14-1 | 0.00000 |
| 14 | 0.55314 | SLE | Max | 0.0000 | 820.7130 | 14-1 | 0.55314 |
| 14 | 1.10627 | SLE | Max | 0.0000 | 823.4991 | 14-1 | 1.10627 |
| 14 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 14-1 | 0.00000 |
| 14 | 0.55314 | SLE | Min | 0.0000 | 0.0000 | 14-1 | 0.55314 |
| 14 | 1.10627 | SLE | Min | 0.0000 | 0.0000 | 14-1 | 1.10627 |
| 14 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 851.9930 | 14-1 | 0.00000 |
| 14 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 868.2174 | 14-1 | 0.55314 |
| 14 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 846.1216 | 14-1 | 1.10627 |
| 14 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 0.00000 |
| 14 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 0.55314 |
| 14 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 1.10627 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 14 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 745.2007 | 14-1 | 0.00000 |
| 14 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 756.8446 | 14-1 | 0.55314 |
| 14 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 732.9779 | 14-1 | 1.10627 |
| 14 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 0.00000 |
| 14 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 0.55314 |
| 14 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 1.10627 |
| 14 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 801.4170 | 14-1 | 0.00000 |
| 14 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 783.0689 | 14-1 | 0.55314 |
| 14 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 724.3403 | 14-1 | 1.10627 |
| 14 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 0.00000 |
| 14 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 0.55314 |
| 14 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 1.10627 |
| 14 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 536.6390 | 14-1 | 0.00000 |
| 14 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 509.3127 | 14-1 | 0.55314 |
| 14 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 448.4446 | 14-1 | 1.10627 |
| 14 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 0.00000 |
| 14 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 0.55314 |
| 14 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 1.10627 |
| 15 | 0.00000 | SLE | Max | 0.0000 | 823.4991 | 15-1 | 0.00000 |
| 15 | 0.55314 | SLE | Max | 0.0000 | 820.7130 | 15-1 | 0.55314 |
| 15 | 1.10627 | SLE | Max | 0.0000 | 781.0323 | 15-1 | 1.10627 |
| 15 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 15-1 | 0.00000 |
| 15 | 0.55314 | SLE | Min | 0.0000 | 0.0000 | 15-1 | 0.55314 |
| 15 | 1.10627 | SLE | Min | 0.0000 | 0.0000 | 15-1 | 1.10627 |
| 15 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 846.1216 | 15-1 | 0.00000 |
| 15 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 818.2505 | 15-1 | 0.55314 |
| 15 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 752.1010 | 15-1 | 1.10627 |
| 15 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 0.00000 |
| 15 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 0.55314 |
| 15 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 1.10627 |
| 15 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 732.9779 | 15-1 | 0.00000 |
| 15 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 706.8329 | 15-1 | 0.55314 |
| 15 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 645.2191 | 15-1 | 1.10627 |
| 15 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 0.00000 |
| 15 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 0.55314 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 15 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 1.10627 |
| 15 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 724.3403 | 15-1 | 0.00000 |
| 15 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 669.0185 | 15-1 | 0.55314 |
| 15 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 573.4202 | 15-1 | 1.10627 |
| 15 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 0.00000 |
| 15 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 0.55314 |
| 15 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 1.10627 |
| 15 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 448.4446 | 15-1 | 0.00000 |
| 15 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 399.7143 | 15-1 | 0.55314 |
| 15 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 317.5462 | 15-1 | 1.10627 |
| 15 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 0.00000 |
| 15 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 0.55314 |
| 15 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 1.10627 |
| 16 | 0.00000 | SLE | Max | 0.0000 | 781.0323 | 16-1 | 0.00000 |
| 16 | 0.55314 | SLE | Max | 0.0000 | 736.9128 | 16-1 | 0.55314 |
| 16 | 1.10627 | SLE | Max | 0.0000 | 655.8884 | 16-1 | 1.10627 |
| 16 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 16-1 | 0.00000 |
| 16 | 0.55314 | SLE | Min | 0.0000 | 0.0000 | 16-1 | 0.55314 |
| 16 | 1.10627 | SLE | Min | 0.0000 | 0.0000 | 16-1 | 1.10627 |
| 16 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 752.1010 | 16-1 | 0.00000 |
| 16 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 682.1772 | 16-1 | 0.55314 |
| 16 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 574.1528 | 16-1 | 1.10627 |
| 16 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 0.00000 |
| 16 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 0.55314 |
| 16 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 1.10627 |
| 16 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 645.2191 | 16-1 | 0.00000 |
| 16 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 583.1574 | 16-1 | 0.55314 |
| 16 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 485.7560 | 16-1 | 1.10627 |
| 16 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 0.00000 |
| 16 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 0.55314 |
| 16 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 1.10627 |
| 16 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 573.4202 | 16-1 | 0.00000 |
| 16 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 484.1563 | 16-1 | 0.55314 |
| 16 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 354.9529 | 16-1 | 1.10627 |
| 16 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 16 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 0.55314 |
| 16 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 1.10627 |
| 16 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 317.5462 | 16-1 | 0.00000 |
| 16 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 249.9698 | 16-1 | 0.55314 |
| 16 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 149.1754 | 16-1 | 1.10627 |
| 16 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 0.00000 |
| 16 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 0.55314 |
| 16 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 1.10627 |
| 17 | 0.00000 | SLE | Max | 0.0000 | 655.8884 | 17-1 | 0.00000 |
| 17 | 0.55314 | SLE | Max | 0.0000 | 573.8387 | 17-1 | 0.55314 |
| 17 | 1.10627 | SLE | Max | 0.0000 | 454.9465 | 17-1 | 1.10627 |
| 17 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 17-1 | 0.00000 |
| 17 | 0.55314 | SLE | Min | 0.0000 | 0.0000 | 17-1 | 0.55314 |
| 17 | 1.10627 | SLE | Min | 0.0000 | 0.0000 | 17-1 | 1.10627 |
| 17 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 574.1528 | 17-1 | 0.00000 |
| 17 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 467.0392 | 17-1 | 0.55314 |
| 17 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 322.2527 | 17-1 | 1.10627 |
| 17 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 0.00000 |
| 17 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 0.55314 |
| 17 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 1.10627 |
| 17 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 485.7560 | 17-1 | 0.00000 |
| 17 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 392.0793 | 17-1 | 0.55314 |
| 17 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 263.3841 | 17-1 | 1.10627 |
| 17 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 | 0.00000 |
| 17 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 | 0.55314 |
| 17 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 | 1.10627 |
| 17 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 354.9529 | 17-1 | 0.00000 |
| 17 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 237.8248 | 17-1 | 0.55314 |
| 17 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 81.4734 | 17-1 | 1.10627 |
| 17 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 0.00000 |
| 17 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 0.55314 |
| 17 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 1.10627 |
| 17 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 149.1754 | 17-1 | 0.00000 |
| 17 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 67.4046 | 17-1 | 0.55314 |
| 17 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 17-1 | 1.10627 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 17 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 | 0.00000 |
| 17 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 | 0.55314 |
| 17 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | -47.1258 | 17-1 | 1.10627 |
| 18 | 0.00000 | SLE | Max | 0.0000 | 454.9465 | 18-1 | 0.00000 |
| 18 | 0.55314 | SLE | Max | 0.0000 | 340.7414 | 18-1 | 0.55314 |
| 18 | 1.10627 | SLE | Max | 0.0000 | 189.9170 | 18-1 | 1.10627 |
| 18 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 18-1 | 0.00000 |
| 18 | 0.55314 | SLE | Min | 0.0000 | 0.0000 | 18-1 | 0.55314 |
| 18 | 1.10627 | SLE | Min | 0.0000 | 0.0000 | 18-1 | 1.10627 |
| 18 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 322.2527 | 18-1 | 0.00000 |
| 18 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 185.7063 | 18-1 | 0.55314 |
| 18 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 12.2251 | 18-1 | 1.10627 |
| 18 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 | 0.00000 |
| 18 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 | 0.55314 |
| 18 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 | 1.10627 |
| 18 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 263.3841 | 18-1 | 0.00000 |
| 18 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 144.8925 | 18-1 | 0.55314 |
| 18 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 | 1.10627 |
| 18 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 18-1 | 0.00000 |
| 18 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 18-1 | 0.55314 |
| 18 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -8.0510 | 18-1 | 1.10627 |
| 18 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 81.4734 | 18-1 | 0.00000 |
| 18 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 18-1 | 0.55314 |
| 18 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 18-1 | 1.10627 |
| 18 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 | 0.00000 |
| 18 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -54.3673 | 18-1 | 0.55314 |
| 18 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | -228.3347 | 18-1 | 1.10627 |
| 18 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 | 0.00000 |
| 18 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 | 0.55314 |
| 18 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 | 1.10627 |
| 18 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -47.1258 | 18-1 | 0.00000 |
| 18 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | -136.3314 | 18-1 | 0.55314 |
| 18 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | -257.6177 | 18-1 | 1.10627 |
| 19 | 0.00000 | SLE | Max | 0.0000 | 189.9170 | 19-1 | 0.00000 |
| 19 | 0.55314 | SLE | Max | 0.0000 | 51.5459 | 19-1 | 0.55314 |
| 19 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 19-1 | 1.10627 |
| 19 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 19-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 19 | 0.55314 | SLE | Min | 0.0000 | 0.0000 | 19-1 | 0.55314 |
| 19 | 1.10627 | SLE | Min | 0.0000 | -123.4553 | 19-1 | 1.10627 |
| 19 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 12.2251 | 19-1 | 0.00000 |
| 19 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 0.55314 |
| 19 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 1.10627 |
| 19 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 19-1 | 0.00000 |
| 19 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -143.4182 | 19-1 | 0.55314 |
| 19 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | -335.4079 | 19-1 | 1.10627 |
| 19 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 0.00000 |
| 19 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 0.55314 |
| 19 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 1.10627 |
| 19 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -8.0510 | 19-1 | 0.00000 |
| 19 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -142.3427 | 19-1 | 0.55314 |
| 19 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -310.6873 | 19-1 | 1.10627 |
| 19 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 0.00000 |
| 19 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 0.55314 |
| 19 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 1.10627 |
| 19 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -228.3347 | 19-1 | 0.00000 |
| 19 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -371.2032 | 19-1 | 0.55314 |
| 19 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | -551.2908 | 19-1 | 1.10627 |
| 19 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 0.00000 |
| 19 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 0.55314 |
| 19 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 1.10627 |
| 19 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -257.6177 | 19-1 | 0.00000 |
| 19 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | -345.8581 | 19-1 | 0.55314 |
| 19 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | -465.7413 | 19-1 | 1.10627 |
| 20 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 20-1 | 0.00000 |
| 20 | 0.55314 | SLE | Max | 0.0000 | 0.0000 | 20-1 | 0.55314 |
| 20 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 20-1 | 1.10627 |
| 20 | 0.00000 | SLE | Min | 0.0000 | -123.4553 | 20-1 | 0.00000 |
| 20 | 0.55314 | SLE | Min | 0.0000 | -276.8925 | 20-1 | 0.55314 |
| 20 | 1.10627 | SLE | Min | 0.0000 | -467.2876 | 20-1 | 1.10627 |
| 20 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 0.00000 |
| 20 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 0.55314 |
| 20 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 1.10627 |
| 20 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -335.4079 | 20-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 20 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -498.5849 | 20-1 | 0.55314 |
| 20 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | -697.8095 | 20-1 | 1.10627 |
| 20 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 0.00000 |
| 20 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 0.55314 |
| 20 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 1.10627 |
| 20 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -310.6873 | 20-1 | 0.00000 |
| 20 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -450.7588 | 20-1 | 0.55314 |
| 20 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -624.7768 | 20-1 | 1.10627 |
| 20 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 0.00000 |
| 20 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 0.55314 |
| 20 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 1.10627 |
| 20 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -551.2908 | 20-1 | 0.00000 |
| 20 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -688.6320 | 20-1 | 0.55314 |
| 20 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | -862.6949 | 20-1 | 1.10627 |
| 20 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 0.00000 |
| 20 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 0.55314 |
| 20 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 1.10627 |
| 20 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -465.7413 | 20-1 | 0.00000 |
| 20 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | -544.3044 | 20-1 | 0.55314 |
| 20 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | -654.5005 | 20-1 | 1.10627 |
| 21 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 21-1 | 0.00000 |
| 21 | 0.55314 | SLE | Max | 0.0000 | 0.0000 | 21-1 | 0.55314 |
| 21 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 21-1 | 1.10627 |
| 21 | 0.00000 | SLE | Min | 0.0000 | -467.2876 | 21-1 | 0.00000 |
| 21 | 0.55314 | SLE | Min | 0.0000 | -625.1905 | 21-1 | 0.55314 |
| 21 | 1.10627 | SLE | Min | 0.0000 | -819.3790 | 21-1 | 1.10627 |
| 21 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 0.00000 |
| 21 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 0.55314 |
| 21 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 1.10627 |
| 21 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -697.8095 | 21-1 | 0.00000 |
| 21 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -855.5237 | 21-1 | 0.55314 |
| 21 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | -1047.9402 | 21-1 | 1.10627 |
| 21 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 0.00000 |
| 21 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 0.55314 |
| 21 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 1.10627 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 21 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -624.7768 | 21-1 | 0.00000 |
| 21 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -759.4157 | 21-1 | 0.55314 |
| 21 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -926.9925 | 21-1 | 1.10627 |
| 21 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 0.00000 |
| 21 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 0.55314 |
| 21 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 1.10627 |
| 21 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -862.6949 | 21-1 | 0.00000 |
| 21 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -981.0392 | 21-1 | 0.55314 |
| 21 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | -1134.6361 | 21-1 | 1.10627 |
| 21 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 0.00000 |
| 21 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 0.55314 |
| 21 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 1.10627 |
| 21 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -654.5005 | 21-1 | 0.00000 |
| 21 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | -714.3520 | 21-1 | 0.55314 |
| 21 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | -805.2019 | 21-1 | 1.10627 |
| 22 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 22-1 | 0.00000 |
| 22 | 0.55314 | SLE | Max | 0.0000 | 0.0000 | 22-1 | 0.55314 |
| 22 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 22-1 | 1.10627 |
| 22 | 0.00000 | SLE | Min | 0.0000 | -819.3790 | 22-1 | 0.00000 |
| 22 | 0.55314 | SLE | Min | 0.0000 | -967.1081 | 22-1 | 0.55314 |
| 22 | 1.10627 | SLE | Min | 0.0000 | -1148.0719 | 22-1 | 1.10627 |
| 22 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 0.00000 |
| 22 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 0.55314 |
| 22 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 1.10627 |
| 22 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1047.9402 | 22-1 | 0.00000 |
| 22 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -1183.2849 | 22-1 | 0.55314 |
| 22 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | -1349.5372 | 22-1 | 1.10627 |
| 22 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 0.00000 |
| 22 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 0.55314 |
| 22 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 1.10627 |
| 22 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -926.9925 | 22-1 | 0.00000 |
| 22 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -1041.5740 | 22-1 | 0.55314 |
| 22 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -1185.9280 | 22-1 | 1.10627 |
| 22 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 0.00000 |
| 22 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 0.55314 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 22 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 1.10627 |
| 22 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1134.6361 | 22-1 | 0.00000 |
| 22 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -1219.1460 | 22-1 | 0.55314 |
| 22 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | -1334.9807 | 22-1 | 1.10627 |
| 22 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 0.00000 |
| 22 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 0.55314 |
| 22 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 1.10627 |
| 22 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -805.2019 | 22-1 | 0.00000 |
| 22 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | -841.4571 | 22-1 | 0.55314 |
| 22 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | -906.3055 | 22-1 | 1.10627 |
| 23 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 23-1 | 0.00000 |
| 23 | 0.55314 | SLE | Max | 0.0000 | 0.0000 | 23-1 | 0.55314 |
| 23 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 23-1 | 1.10627 |
| 23 | 0.00000 | SLE | Min | 0.0000 | -1148.0719 | 23-1 | 0.00000 |
| 23 | 0.55314 | SLE | Min | 0.0000 | -1267.3022 | 23-1 | 0.55314 |
| 23 | 1.10627 | SLE | Min | 0.0000 | -1416.8851 | 23-1 | 1.10627 |
| 23 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 0.00000 |
| 23 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 0.55314 |
| 23 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 1.10627 |
| 23 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1349.5372 | 23-1 | 0.00000 |
| 23 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -1442.2520 | 23-1 | 0.55314 |
| 23 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | -1562.3648 | 23-1 | 1.10627 |
| 23 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 0.00000 |
| 23 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 0.55314 |
| 23 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 1.10627 |
| 23 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1185.9280 | 23-1 | 0.00000 |
| 23 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -1262.9373 | 23-1 | 0.55314 |
| 23 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -1366.8406 | 23-1 | 1.10627 |
| 23 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 0.00000 |
| 23 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 0.55314 |
| 23 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 1.10627 |
| 23 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1334.9807 | 23-1 | 0.00000 |
| 23 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -1379.8795 | 23-1 | 0.55314 |
| 23 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | -1452.6235 | 23-1 | 1.10627 |
| 23 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 23 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 0.55314 |
| 23 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 1.10627 |
| 23 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -906.3055 | 23-1 | 0.00000 |
| 23 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | -921.3183 | 23-1 | 0.55314 |
| 23 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | -962.9649 | 23-1 | 1.10627 |
| 24 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 24-1 | 0.00000 |
| 24 | 0.55314 | SLE | Max | 0.0000 | 0.0000 | 24-1 | 0.55314 |
| 24 | 1.10627 | SLE | Max | 0.0000 | 0.0000 | 24-1 | 1.10627 |
| 24 | 0.00000 | SLE | Min | 0.0000 | -1416.8851 | 24-1 | 0.00000 |
| 24 | 0.55314 | SLE | Min | 0.0000 | -1493.8849 | 24-1 | 0.55314 |
| 24 | 1.10627 | SLE | Min | 0.0000 | -1600.5727 | 24-1 | 1.10627 |
| 24 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 0.00000 |
| 24 | 0.55314 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 0.55314 |
| 24 | 1.10627 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 1.10627 |
| 24 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1562.3648 | 24-1 | 0.00000 |
| 24 | 0.55314 | SLE_SISMA_DOWN | Min | 0.0000 | -1608.5956 | 24-1 | 0.55314 |
| 24 | 1.10627 | SLE_SISMA_DOWN | Min | 0.0000 | -1681.1991 | 24-1 | 1.10627 |
| 24 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 0.00000 |
| 24 | 0.55314 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 0.55314 |
| 24 | 1.10627 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 1.10627 |
| 24 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1366.8406 | 24-1 | 0.00000 |
| 24 | 0.55314 | SLE_SISMA_UP | Min | 0.0000 | -1404.8108 | 24-1 | 0.55314 |
| 24 | 1.10627 | SLE_SISMA_UP | Min | 0.0000 | -1469.0435 | 24-1 | 1.10627 |
| 24 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 0.00000 |
| 24 | 0.55314 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 0.55314 |
| 24 | 1.10627 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 1.10627 |
| 24 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1452.6235 | 24-1 | 0.00000 |
| 24 | 0.55314 | SLU_SISMA_DOWN | Min | 0.0000 | -1470.2812 | 24-1 | 0.55314 |
| 24 | 1.10627 | SLU_SISMA_DOWN | Min | 0.0000 | -1515.0483 | 24-1 | 1.10627 |
| 24 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 0.00000 |
| 24 | 0.55314 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 0.55314 |
| 24 | 1.10627 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 1.10627 |
| 24 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -962.9649 | 24-1 | 0.00000 |
| 24 | 0.55314 | SLU_SISMA_UP | Min | 0.0000 | -969.2292 | 24-1 | 0.55314 |
| 24 | 1.10627 | SLU_SISMA_UP | Min | 0.0000 | -1002.3406 | 24-1 | 1.10627 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 25 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 25-1 | 0.00000 |
| 25 | 0.42395 | SLE | Max | 0.0000 | 0.0000 | 25-1 | 0.42395 |
| 25 | 0.84789 | SLE | Max | 0.0000 | 0.0000 | 25-1 | 0.84789 |
| 25 | 0.00000 | SLE | Min | 0.0000 | -1600.5727 | 25-1 | 0.00000 |
| 25 | 0.42395 | SLE | Min | 0.0000 | -1663.9460 | 25-1 | 0.42395 |
| 25 | 0.84789 | SLE | Min | 0.0000 | -1745.6828 | 25-1 | 0.84789 |
| 25 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.00000 |
| 25 | 0.42395 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.42395 |
| 25 | 0.84789 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.84789 |
| 25 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1681.1991 | 25-1 | 0.00000 |
| 25 | 0.42395 | SLE_SISMA_DOWN | Min | 0.0000 | -1727.6040 | 25-1 | 0.42395 |
| 25 | 0.84789 | SLE_SISMA_DOWN | Min | 0.0000 | -1790.3800 | 25-1 | 0.84789 |
| 25 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.00000 |
| 25 | 0.42395 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.42395 |
| 25 | 0.84789 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.84789 |
| 25 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1469.0435 | 25-1 | 0.00000 |
| 25 | 0.42395 | SLE_SISMA_UP | Min | 0.0000 | -1512.3120 | 25-1 | 0.42395 |
| 25 | 0.84789 | SLE_SISMA_UP | Min | 0.0000 | -1571.9517 | 25-1 | 0.84789 |
| 25 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.00000 |
| 25 | 0.42395 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.42395 |
| 25 | 0.84789 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.84789 |
| 25 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1515.0483 | 25-1 | 0.00000 |
| 25 | 0.42395 | SLU_SISMA_DOWN | Min | 0.0000 | -1558.3669 | 25-1 | 0.42395 |
| 25 | 0.84789 | SLU_SISMA_DOWN | Min | 0.0000 | -1618.7462 | 25-1 | 0.84789 |
| 25 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.00000 |
| 25 | 0.42395 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.42395 |
| 25 | 0.84789 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.84789 |
| 25 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1002.3406 | 25-1 | 0.00000 |
| 25 | 0.42395 | SLU_SISMA_UP | Min | 0.0000 | -1042.9743 | 25-1 | 0.42395 |
| 25 | 0.84789 | SLU_SISMA_UP | Min | 0.0000 | -1100.6688 | 25-1 | 0.84789 |
| 26 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 26-1 | 0.00000 |
| 26 | 0.42395 | SLE | Max | 0.0000 | 0.0000 | 26-1 | 0.42395 |
| 26 | 0.84789 | SLE | Max | 0.0000 | 0.0000 | 26-1 | 0.84789 |
| 26 | 0.00000 | SLE | Min | 0.0000 | -1745.6828 | 26-1 | 0.00000 |
| 26 | 0.42395 | SLE | Min | 0.0000 | -1851.3266 | 26-1 | 0.42395 |
| 26 | 0.84789 | SLE | Min | 0.0000 | -1976.6368 | 26-1 | 0.84789 |
| 26 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 26 | 0.42395 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.42395 |
| 26 | 0.84789 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.84789 |
| 26 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1790.3800 | 26-1 | 0.00000 |
| 26 | 0.42395 | SLE_SISMA_DOWN | Min | 0.0000 | -1888.1533 | 26-1 | 0.42395 |
| 26 | 0.84789 | SLE_SISMA_DOWN | Min | 0.0000 | -2003.6006 | 26-1 | 0.84789 |
| 26 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.00000 |
| 26 | 0.42395 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.42395 |
| 26 | 0.84789 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.84789 |
| 26 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1571.9517 | 26-1 | 0.00000 |
| 26 | 0.42395 | SLE_SISMA_UP | Min | 0.0000 | -1666.3189 | 26-1 | 0.42395 |
| 26 | 0.84789 | SLE_SISMA_UP | Min | 0.0000 | -1778.3603 | 26-1 | 0.84789 |
| 26 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.00000 |
| 26 | 0.42395 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.42395 |
| 26 | 0.84789 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.84789 |
| 26 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1618.7462 | 26-1 | 0.00000 |
| 26 | 0.42395 | SLU_SISMA_DOWN | Min | 0.0000 | -1734.0288 | 26-1 | 0.42395 |
| 26 | 0.84789 | SLU_SISMA_DOWN | Min | 0.0000 | -1867.9343 | 26-1 | 0.84789 |
| 26 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.00000 |
| 26 | 0.42395 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.42395 |
| 26 | 0.84789 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.84789 |
| 26 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1100.6688 | 26-1 | 0.00000 |
| 26 | 0.42395 | SLU_SISMA_UP | Min | 0.0000 | -1211.2511 | 26-1 | 0.42395 |
| 26 | 0.84789 | SLU_SISMA_UP | Min | 0.0000 | -1340.4563 | 26-1 | 0.84789 |
| 27 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 27-1 | 0.00000 |
| 27 | 0.42395 | SLE | Max | 0.0000 | 0.0000 | 27-1 | 0.42395 |
| 27 | 0.84789 | SLE | Max | 0.0000 | 0.0000 | 27-1 | 0.84789 |
| 27 | 0.00000 | SLE | Min | 0.0000 | -1976.6368 | 27-1 | 0.00000 |
| 27 | 0.42395 | SLE | Min | 0.0000 | -2126.5979 | 27-1 | 0.42395 |
| 27 | 0.84789 | SLE | Min | 0.0000 | -2297.5128 | 27-1 | 0.84789 |
| 27 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.00000 |
| 27 | 0.42395 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.42395 |
| 27 | 0.84789 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.84789 |
| 27 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -2003.6006 | 27-1 | 0.00000 |
| 27 | 0.42395 | SLE_SISMA_DOWN | Min | 0.0000 | -2153.8479 | 27-1 | 0.42395 |
| 27 | 0.84789 | SLE_SISMA_DOWN | Min | 0.0000 | -2323.0569 | 27-1 | 0.84789 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 27 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.00000 |
| 27 | 0.42395 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.42395 |
| 27 | 0.84789 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.84789 |
| 27 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1778.3603 | 27-1 | 0.00000 |
| 27 | 0.42395 | SLE_SISMA_UP | Min | 0.0000 | -1925.0222 | 27-1 | 0.42395 |
| 27 | 0.84789 | SLE_SISMA_UP | Min | 0.0000 | -2090.6458 | 27-1 | 0.84789 |
| 27 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.00000 |
| 27 | 0.42395 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.42395 |
| 27 | 0.84789 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.84789 |
| 27 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1867.9343 | 27-1 | 0.00000 |
| 27 | 0.42395 | SLU_SISMA_DOWN | Min | 0.0000 | -2055.7286 | 27-1 | 0.42395 |
| 27 | 0.84789 | SLU_SISMA_DOWN | Min | 0.0000 | -2263.6896 | 27-1 | 0.84789 |
| 27 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.00000 |
| 27 | 0.42395 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.42395 |
| 27 | 0.84789 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.84789 |
| 27 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1340.4563 | 27-1 | 0.00000 |
| 27 | 0.42395 | SLU_SISMA_UP | Min | 0.0000 | -1521.7812 | 27-1 | 0.42395 |
| 27 | 0.84789 | SLU_SISMA_UP | Min | 0.0000 | -1723.2728 | 27-1 | 0.84789 |
| 28 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 28-1 | 0.00000 |
| 28 | 0.51088 | SLE | Max | 0.0000 | 0.0000 | 28-1 | 0.51088 |
| 28 | 1.02176 | SLE | Max | 0.0000 | 0.0000 | 28-1 | 1.02176 |
| 28 | 0.00000 | SLE | Min | 0.0000 | -2297.5128 | 28-1 | 0.00000 |
| 28 | 0.51088 | SLE | Min | 0.0000 | -1567.7600 | 28-1 | 0.51088 |
| 28 | 1.02176 | SLE | Min | 0.0000 | -870.5279 | 28-1 | 1.02176 |
| 28 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 0.00000 |
| 28 | 0.51088 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 0.51088 |
| 28 | 1.02176 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 1.02176 |
| 28 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -2323.0569 | 28-1 | 0.00000 |
| 28 | 0.51088 | SLE_SISMA_DOWN | Min | 0.0000 | -1595.6682 | 28-1 | 0.51088 |
| 28 | 1.02176 | SLE_SISMA_DOWN | Min | 0.0000 | -897.9073 | 28-1 | 1.02176 |
| 28 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 0.00000 |
| 28 | 0.51088 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 0.51088 |
| 28 | 1.02176 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 1.02176 |
| 28 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -2090.6458 | 28-1 | 0.00000 |
| 28 | 0.51088 | SLE_SISMA_UP | Min | 0.0000 | -1438.8337 | 28-1 | 0.51088 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 28 | 1.02176 | SLE_SISMA_UP | Min | 0.0000 | -816.6495 | 28-1 | 1.02176 |
| 28 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 0.00000 |
| 28 | 0.51088 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 0.51088 |
| 28 | 1.02176 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 1.02176 |
| 28 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -2263.6896 | 28-1 | 0.00000 |
| 28 | 0.51088 | SLU_SISMA_DOWN | Min | 0.0000 | -1576.0742 | 28-1 | 0.51088 |
| 28 | 1.02176 | SLU_SISMA_DOWN | Min | 0.0000 | -920.2529 | 28-1 | 1.02176 |
| 28 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 0.00000 |
| 28 | 0.51088 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 0.51088 |
| 28 | 1.02176 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 1.02176 |
| 28 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1723.2728 | 28-1 | 0.00000 |
| 28 | 0.51088 | SLU_SISMA_UP | Min | 0.0000 | -1210.8075 | 28-1 | 0.51088 |
| 28 | 1.02176 | SLU_SISMA_UP | Min | 0.0000 | -730.1363 | 28-1 | 1.02176 |
| 29 | 0.00000 | SLE | Max | 0.0000 | 870.5279 | 29-1 | 0.00000 |
| 29 | 0.44994 | SLE | Max | 0.0000 | 766.7950 | 29-1 | 0.44994 |
| 29 | 0.89989 | SLE | Max | 0.0000 | 658.0008 | 29-1 | 0.89989 |
| 29 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 29-1 | 0.00000 |
| 29 | 0.44994 | SLE | Min | 0.0000 | 0.0000 | 29-1 | 0.44994 |
| 29 | 0.89989 | SLE | Min | 0.0000 | 0.0000 | 29-1 | 0.89989 |
| 29 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 897.9073 | 29-1 | 0.00000 |
| 29 | 0.44994 | SLE_SISMA_DOWN | Max | 0.0000 | 755.7481 | 29-1 | 0.44994 |
| 29 | 0.89989 | SLE_SISMA_DOWN | Max | 0.0000 | 608.2441 | 29-1 | 0.89989 |
| 29 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.00000 |
| 29 | 0.44994 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.44994 |
| 29 | 0.89989 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.89989 |
| 29 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 816.6495 | 29-1 | 0.00000 |
| 29 | 0.44994 | SLE_SISMA_UP | Max | 0.0000 | 683.2789 | 29-1 | 0.44994 |
| 29 | 0.89989 | SLE_SISMA_UP | Max | 0.0000 | 545.1305 | 29-1 | 0.89989 |
| 29 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.00000 |
| 29 | 0.44994 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.44994 |
| 29 | 0.89989 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.89989 |
| 29 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 920.2529 | 29-1 | 0.00000 |
| 29 | 0.44994 | SLU_SISMA_DOWN | Max | 0.0000 | 729.2774 | 29-1 | 0.44994 |
| 29 | 0.89989 | SLU_SISMA_DOWN | Max | 0.0000 | 532.5777 | 29-1 | 0.89989 |
| 29 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 29 | 0.44994 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.44994 |
| 29 | 0.89989 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.89989 |
| 29 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 730.1363 | 29-1 | 0.00000 |
| 29 | 0.44994 | SLU_SISMA_UP | Max | 0.0000 | 563.0164 | 29-1 | 0.44994 |
| 29 | 0.89989 | SLU_SISMA_UP | Max | 0.0000 | 391.4982 | 29-1 | 0.89989 |
| 29 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.00000 |
| 29 | 0.44994 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.44994 |
| 29 | 0.89989 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.89989 |
| 30 | 0.00000 | SLE | Max | 0.0000 | 658.0008 | 30-1 | 0.00000 |
| 30 | 0.44994 | SLE | Max | 0.0000 | 645.8272 | 30-1 | 0.44994 |
| 30 | 0.89989 | SLE | Max | 0.0000 | 628.5923 | 30-1 | 0.89989 |
| 30 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 30-1 | 0.00000 |
| 30 | 0.44994 | SLE | Min | 0.0000 | 0.0000 | 30-1 | 0.44994 |
| 30 | 0.89989 | SLE | Min | 0.0000 | 0.0000 | 30-1 | 0.89989 |
| 30 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 608.2441 | 30-1 | 0.00000 |
| 30 | 0.44994 | SLE_SISMA_DOWN | Max | 0.0000 | 568.1406 | 30-1 | 0.44994 |
| 30 | 0.89989 | SLE_SISMA_DOWN | Max | 0.0000 | 522.6924 | 30-1 | 0.89989 |
| 30 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.00000 |
| 30 | 0.44994 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.44994 |
| 30 | 0.89989 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.89989 |
| 30 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 545.1305 | 30-1 | 0.00000 |
| 30 | 0.44994 | SLE_SISMA_UP | Max | 0.0000 | 505.8464 | 30-1 | 0.44994 |
| 30 | 0.89989 | SLE_SISMA_UP | Max | 0.0000 | 461.7846 | 30-1 | 0.89989 |
| 30 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.00000 |
| 30 | 0.44994 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.44994 |
| 30 | 0.89989 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.89989 |
| 30 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 532.5777 | 30-1 | 0.00000 |
| 30 | 0.44994 | SLU_SISMA_DOWN | Max | 0.0000 | 457.4394 | 30-1 | 0.44994 |
| 30 | 0.89989 | SLU_SISMA_DOWN | Max | 0.0000 | 376.5767 | 30-1 | 0.89989 |
| 30 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.00000 |
| 30 | 0.44994 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.44994 |
| 30 | 0.89989 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.89989 |
| 30 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 391.4982 | 30-1 | 0.00000 |
| 30 | 0.44994 | SLU_SISMA_UP | Max | 0.0000 | 321.2051 | 30-1 | 0.44994 |
| 30 | 0.89989 | SLU_SISMA_UP | Max | 0.0000 | 246.5138 | 30-1 | 0.89989 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 30 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.00000 |
| 30 | 0.44994 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.44994 |
| 30 | 0.89989 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.89989 |
| 31 | 0.00000 | SLE | Max | 0.0000 | 628.5923 | 31-1 | 0.00000 |
| 31 | 0.45143 | SLE | Max | 0.0000 | 340.7041 | 31-1 | 0.45143 |
| 31 | 0.90286 | SLE | Max | 0.0000 | 48.1181 | 31-1 | 0.90286 |
| 31 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 31-1 | 0.00000 |
| 31 | 0.45143 | SLE | Min | 0.0000 | 0.0000 | 31-1 | 0.45143 |
| 31 | 0.90286 | SLE | Min | 0.0000 | 0.0000 | 31-1 | 0.90286 |
| 31 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 522.6924 | 31-1 | 0.00000 |
| 31 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 220.2910 | 31-1 | 0.45143 |
| 31 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 31-1 | 0.90286 |
| 31 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 31-1 | 0.00000 |
| 31 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 31-1 | 0.45143 |
| 31 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | -87.0713 | 31-1 | 0.90286 |
| 31 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 461.7846 | 31-1 | 0.00000 |
| 31 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 189.7589 | 31-1 | 0.45143 |
| 31 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 31-1 | 0.90286 |
| 31 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 31-1 | 0.00000 |
| 31 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 31-1 | 0.45143 |
| 31 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | -86.7015 | 31-1 | 0.90286 |
| 31 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 376.5767 | 31-1 | 0.00000 |
| 31 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 71.1646 | 31-1 | 0.45143 |
| 31 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 31-1 | 0.90286 |
| 31 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 31-1 | 0.00000 |
| 31 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 31-1 | 0.45143 |
| 31 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | -239.5608 | 31-1 | 0.90286 |
| 31 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 246.5138 | 31-1 | 0.00000 |
| 31 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 13.1068 | 31-1 | 0.45143 |
| 31 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 31-1 | 0.90286 |
| 31 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 31-1 | 0.00000 |
| 31 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 31-1 | 0.45143 |
| 31 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | -224.3826 | 31-1 | 0.90286 |
| 32 | 0.00000 | SLE | Max | 0.0000 | 48.1181 | 32-1 | 0.00000 |
| 32 | 0.45143 | SLE | Max | 0.0000 | 0.0000 | 32-1 | 0.45143 |
| 32 | 0.90286 | SLE | Max | 0.0000 | 0.0000 | 32-1 | 0.90286 |
| 32 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 32-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 32 | 0.45143 | SLE | Min | 0.0000 | -186.9673 | 32-1 | 0.45143 |
| 32 | 0.90286 | SLE | Min | 0.0000 | -426.8805 | 32-1 | 0.90286 |
| 32 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 0.00000 |
| 32 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 0.45143 |
| 32 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 0.90286 |
| 32 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -87.0713 | 32-1 | 0.00000 |
| 32 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | -326.1836 | 32-1 | 0.45143 |
| 32 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | -570.3942 | 32-1 | 0.90286 |
| 32 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 0.00000 |
| 32 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 0.45143 |
| 32 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 0.90286 |
| 32 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -86.7015 | 32-1 | 0.00000 |
| 32 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | -301.0361 | 32-1 | 0.45143 |
| 32 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | -519.9281 | 32-1 | 0.90286 |
| 32 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 0.00000 |
| 32 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 0.45143 |
| 32 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 0.90286 |
| 32 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -239.5608 | 32-1 | 0.00000 |
| 32 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | -470.5758 | 32-1 | 0.45143 |
| 32 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | -707.0511 | 32-1 | 0.90286 |
| 32 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 0.00000 |
| 32 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 0.45143 |
| 32 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 0.90286 |
| 32 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -224.3826 | 32-1 | 0.00000 |
| 32 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | -397.2668 | 32-1 | 0.45143 |
| 32 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | -574.3463 | 32-1 | 0.90286 |
| 33 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 33-1 | 0.00000 |
| 33 | 0.45143 | SLE | Max | 0.0000 | 0.0000 | 33-1 | 0.45143 |
| 33 | 0.90286 | SLE | Max | 0.0000 | 0.0000 | 33-1 | 0.90286 |
| 33 | 0.00000 | SLE | Min | 0.0000 | -426.8805 | 33-1 | 0.00000 |
| 33 | 0.45143 | SLE | Min | 0.0000 | -608.8717 | 33-1 | 0.45143 |
| 33 | 0.90286 | SLE | Min | 0.0000 | -795.7956 | 33-1 | 0.90286 |
| 33 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 0.00000 |
| 33 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 0.45143 |
| 33 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 0.90286 |
| 33 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -570.3942 | 33-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 33 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | -747.6927 | 33-1 | 0.45143 |
| 33 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | -930.2001 | 33-1 | 0.90286 |
| 33 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 0.00000 |
| 33 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 0.45143 |
| 33 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 0.90286 |
| 33 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -519.9281 | 33-1 | 0.00000 |
| 33 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | -678.0374 | 33-1 | 0.45143 |
| 33 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | -840.8032 | 33-1 | 0.90286 |
| 33 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 0.00000 |
| 33 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 0.45143 |
| 33 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 0.90286 |
| 33 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -707.0511 | 33-1 | 0.00000 |
| 33 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | -867.4894 | 33-1 | 0.45143 |
| 33 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | -1033.5065 | 33-1 | 0.90286 |
| 33 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 0.00000 |
| 33 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 0.45143 |
| 33 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 0.90286 |
| 33 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -574.3463 | 33-1 | 0.00000 |
| 33 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | -690.3770 | 33-1 | 0.45143 |
| 33 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | -810.6941 | 33-1 | 0.90286 |
| 34 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 34-1 | 0.00000 |
| 34 | 0.45143 | SLE | Max | 0.0000 | 0.0000 | 34-1 | 0.45143 |
| 34 | 0.90286 | SLE | Max | 0.0000 | 0.0000 | 34-1 | 0.90286 |
| 34 | 0.00000 | SLE | Min | 0.0000 | -795.7956 | 34-1 | 0.00000 |
| 34 | 0.45143 | SLE | Min | 0.0000 | -924.7846 | 34-1 | 0.45143 |
| 34 | 0.90286 | SLE | Min | 0.0000 | -1058.7854 | 34-1 | 0.90286 |
| 34 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 0.00000 |
| 34 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 0.45143 |
| 34 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 0.90286 |
| 34 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -930.2001 | 34-1 | 0.00000 |
| 34 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | -1047.5489 | 34-1 | 0.45143 |
| 34 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | -1170.1902 | 34-1 | 0.90286 |
| 34 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 0.00000 |
| 34 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 0.45143 |
| 34 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 0.90286 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 34 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -840.8032 | 34-1 | 0.00000 |
| 34 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | -944.5154 | 34-1 | 0.45143 |
| 34 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | -1052.9587 | 34-1 | 0.90286 |
| 34 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 0.00000 |
| 34 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 0.45143 |
| 34 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 0.90286 |
| 34 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1033.5065 | 34-1 | 0.00000 |
| 34 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | -1127.6127 | 34-1 | 0.45143 |
| 34 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | -1227.3873 | 34-1 | 0.90286 |
| 34 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 0.00000 |
| 34 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 0.45143 |
| 34 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 0.90286 |
| 34 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -810.6941 | 34-1 | 0.00000 |
| 34 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | -873.9046 | 34-1 | 0.45143 |
| 34 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | -941.4704 | 34-1 | 0.90286 |
| 35 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 35-1 | 0.00000 |
| 35 | 0.45143 | SLE | Max | 0.0000 | 0.0000 | 35-1 | 0.45143 |
| 35 | 0.90286 | SLE | Max | 0.0000 | 0.0000 | 35-1 | 0.90286 |
| 35 | 0.00000 | SLE | Min | 0.0000 | -1058.7854 | 35-1 | 0.00000 |
| 35 | 0.45143 | SLE | Min | 0.0000 | -1135.0117 | 35-1 | 0.45143 |
| 35 | 0.90286 | SLE | Min | 0.0000 | -1216.3027 | 35-1 | 0.90286 |
| 35 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 0.00000 |
| 35 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 0.45143 |
| 35 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 0.90286 |
| 35 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1170.1902 | 35-1 | 0.00000 |
| 35 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | -1229.5943 | 35-1 | 0.45143 |
| 35 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | -1294.3468 | 35-1 | 0.90286 |
| 35 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 0.00000 |
| 35 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 0.45143 |
| 35 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 0.90286 |
| 35 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1052.9587 | 35-1 | 0.00000 |
| 35 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | -1104.2411 | 35-1 | 0.45143 |
| 35 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | -1160.3046 | 35-1 | 0.90286 |
| 35 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 0.00000 |
| 35 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 0.45143 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 35 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 0.90286 |
| 35 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1227.3873 | 35-1 | 0.00000 |
| 35 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | -1259.5793 | 35-1 | 0.45143 |
| 35 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | -1297.4997 | 35-1 | 0.90286 |
| 35 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 0.00000 |
| 35 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 0.45143 |
| 35 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 0.90286 |
| 35 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -941.4704 | 35-1 | 0.00000 |
| 35 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | -956.0662 | 35-1 | 0.45143 |
| 35 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | -975.0633 | 35-1 | 0.90286 |
| 36 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 36-1 | 0.00000 |
| 36 | 0.45143 | SLE | Max | 0.0000 | 0.0000 | 36-1 | 0.45143 |
| 36 | 0.90286 | SLE | Max | 0.0000 | 0.0000 | 36-1 | 0.90286 |
| 36 | 0.00000 | SLE | Min | 0.0000 | -1216.3027 | 36-1 | 0.00000 |
| 36 | 0.45143 | SLE | Min | 0.0000 | -1239.9834 | 36-1 | 0.45143 |
| 36 | 0.90286 | SLE | Min | 0.0000 | -1268.7554 | 36-1 | 0.90286 |
| 36 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 0.00000 |
| 36 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 0.45143 |
| 36 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 0.90286 |
| 36 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1294.3468 | 36-1 | 0.00000 |
| 36 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | -1297.7788 | 36-1 | 0.45143 |
| 36 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | -1306.5873 | 36-1 | 0.90286 |
| 36 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 0.00000 |
| 36 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 0.45143 |
| 36 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 0.90286 |
| 36 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1160.3046 | 36-1 | 0.00000 |
| 36 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | -1161.1086 | 36-1 | 0.45143 |
| 36 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | -1166.7188 | 36-1 | 0.90286 |
| 36 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 0.00000 |
| 36 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 0.45143 |
| 36 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 0.90286 |
| 36 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1297.4997 | 36-1 | 0.00000 |
| 36 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | -1272.1998 | 36-1 | 0.45143 |
| 36 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | -1252.6582 | 36-1 | 0.90286 |
| 36 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 36 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 0.45143 |
| 36 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 0.90286 |
| 36 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -975.0633 | 36-1 | 0.00000 |
| 36 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | -945.2954 | 36-1 | 0.45143 |
| 36 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | -919.9520 | 36-1 | 0.90286 |
| 37 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 37-1 | 0.00000 |
| 37 | 0.45143 | SLE | Max | 0.0000 | 0.0000 | 37-1 | 0.45143 |
| 37 | 0.90286 | SLE | Max | 0.0000 | 0.0000 | 37-1 | 0.90286 |
| 37 | 0.00000 | SLE | Min | 0.0000 | -1268.7554 | 37-1 | 0.00000 |
| 37 | 0.45143 | SLE | Min | 0.0000 | -1239.9834 | 37-1 | 0.45143 |
| 37 | 0.90286 | SLE | Min | 0.0000 | -1216.3027 | 37-1 | 0.90286 |
| 37 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 0.00000 |
| 37 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 0.45143 |
| 37 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 0.90286 |
| 37 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1306.5873 | 37-1 | 0.00000 |
| 37 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | -1255.8882 | 37-1 | 0.45143 |
| 37 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | -1210.5655 | 37-1 | 0.90286 |
| 37 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 0.00000 |
| 37 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 0.45143 |
| 37 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 0.90286 |
| 37 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1166.7188 | 37-1 | 0.00000 |
| 37 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | -1118.8914 | 37-1 | 0.45143 |
| 37 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | -1075.8704 | 37-1 | 0.90286 |
| 37 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 0.00000 |
| 37 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 0.45143 |
| 37 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 0.90286 |
| 37 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1252.6582 | 37-1 | 0.00000 |
| 37 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | -1174.2030 | 37-1 | 0.45143 |
| 37 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | -1101.5060 | 37-1 | 0.90286 |
| 37 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 0.00000 |
| 37 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 0.45143 |
| 37 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 0.90286 |
| 37 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -919.9520 | 37-1 | 0.00000 |
| 37 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | -850.0524 | 37-1 | 0.45143 |
| 37 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | -784.5772 | 37-1 | 0.90286 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 38 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 38-1 | 0.00000 |
| 38 | 0.45143 | SLE | Max | 0.0000 | 0.0000 | 38-1 | 0.45143 |
| 38 | 0.90286 | SLE | Max | 0.0000 | 0.0000 | 38-1 | 0.90286 |
| 38 | 0.00000 | SLE | Min | 0.0000 | -1216.3027 | 38-1 | 0.00000 |
| 38 | 0.45143 | SLE | Min | 0.0000 | -1135.0117 | 38-1 | 0.45143 |
| 38 | 0.90286 | SLE | Min | 0.0000 | -1058.7854 | 38-1 | 0.90286 |
| 38 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 0.00000 |
| 38 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 0.45143 |
| 38 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 0.90286 |
| 38 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1210.5655 | 38-1 | 0.00000 |
| 38 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | -1107.4179 | 38-1 | 0.45143 |
| 38 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | -1009.6187 | 38-1 | 0.90286 |
| 38 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 0.00000 |
| 38 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 0.45143 |
| 38 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 0.90286 |
| 38 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1075.8704 | 38-1 | 0.00000 |
| 38 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | -981.1317 | 38-1 | 0.45143 |
| 38 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | -891.1743 | 38-1 | 0.90286 |
| 38 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 0.00000 |
| 38 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 0.45143 |
| 38 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 0.90286 |
| 38 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1101.5060 | 38-1 | 0.00000 |
| 38 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | -974.1304 | 38-1 | 0.45143 |
| 38 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | -852.4831 | 38-1 | 0.90286 |
| 38 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 0.00000 |
| 38 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 0.45143 |
| 38 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 0.90286 |
| 38 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -784.5772 | 38-1 | 0.00000 |
| 38 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | -678.7501 | 38-1 | 0.45143 |
| 38 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | -577.3242 | 38-1 | 0.90286 |
| 39 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 39-1 | 0.00000 |
| 39 | 0.45143 | SLE | Max | 0.0000 | 0.0000 | 39-1 | 0.45143 |
| 39 | 0.90286 | SLE | Max | 0.0000 | 0.0000 | 39-1 | 0.90286 |
| 39 | 0.00000 | SLE | Min | 0.0000 | -1058.7854 | 39-1 | 0.00000 |
| 39 | 0.45143 | SLE | Min | 0.0000 | -924.7846 | 39-1 | 0.45143 |
| 39 | 0.90286 | SLE | Min | 0.0000 | -795.7956 | 39-1 | 0.90286 |
| 39 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 39 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 0.45143 |
| 39 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 0.90286 |
| 39 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1009.6187 | 39-1 | 0.00000 |
| 39 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | -855.5910 | 39-1 | 0.45143 |
| 39 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | -706.8557 | 39-1 | 0.90286 |
| 39 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 0.00000 |
| 39 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 0.45143 |
| 39 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 0.90286 |
| 39 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -891.1743 | 39-1 | 0.00000 |
| 39 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | -751.1573 | 39-1 | 0.45143 |
| 39 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | -615.8714 | 39-1 | 0.90286 |
| 39 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 0.00000 |
| 39 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 0.45143 |
| 39 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 0.90286 |
| 39 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -852.4831 | 39-1 | 0.00000 |
| 39 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | -680.3733 | 39-1 | 0.45143 |
| 39 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | -513.9319 | 39-1 | 0.90286 |
| 39 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 0.00000 |
| 39 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 0.45143 |
| 39 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 0.90286 |
| 39 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -577.3242 | 39-1 | 0.00000 |
| 39 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | -439.7892 | 39-1 | 0.45143 |
| 39 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | -306.6093 | 39-1 | 0.90286 |
| 40 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 40-1 | 0.00000 |
| 40 | 0.45143 | SLE | Max | 0.0000 | 0.0000 | 40-1 | 0.45143 |
| 40 | 0.90286 | SLE | Max | 0.0000 | 0.0000 | 40-1 | 0.90286 |
| 40 | 0.00000 | SLE | Min | 0.0000 | -795.7956 | 40-1 | 0.00000 |
| 40 | 0.45143 | SLE | Min | 0.0000 | -608.8717 | 40-1 | 0.45143 |
| 40 | 0.90286 | SLE | Min | 0.0000 | -426.8805 | 40-1 | 0.90286 |
| 40 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 0.00000 |
| 40 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 0.45143 |
| 40 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 0.90286 |
| 40 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -706.8557 | 40-1 | 0.00000 |
| 40 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | -503.5137 | 40-1 | 0.45143 |
| 40 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | -305.3805 | 40-1 | 0.90286 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 40 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 | 0.00000 |
| 40 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 | 0.45143 |
| 40 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 | 0.90286 |
| 40 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -615.8714 | 40-1 | 0.00000 |
| 40 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | -432.2227 | 40-1 | 0.45143 |
| 40 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | -253.2304 | 40-1 | 0.90286 |
| 40 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 0.00000 |
| 40 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 0.45143 |
| 40 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 0.90286 |
| 40 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -513.9319 | 40-1 | 0.00000 |
| 40 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | -301.3408 | 40-1 | 0.45143 |
| 40 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | -94.3286 | 40-1 | 0.90286 |
| 40 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 | 0.00000 |
| 40 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 | 0.45143 |
| 40 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 18.9432 | 40-1 | 0.90286 |
| 40 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -306.6093 | 40-1 | 0.00000 |
| 40 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | -141.6898 | 40-1 | 0.45143 |
| 40 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 40-1 | 0.90286 |
| 41 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 41-1 | 0.00000 |
| 41 | 0.45143 | SLE | Max | 0.0000 | 0.0000 | 41-1 | 0.45143 |
| 41 | 0.90286 | SLE | Max | 0.0000 | 48.1181 | 41-1 | 0.90286 |
| 41 | 0.00000 | SLE | Min | 0.0000 | -426.8805 | 41-1 | 0.00000 |
| 41 | 0.45143 | SLE | Min | 0.0000 | -186.9673 | 41-1 | 0.45143 |
| 41 | 0.90286 | SLE | Min | 0.0000 | 0.0000 | 41-1 | 0.90286 |
| 41 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 41-1 | 0.00000 |
| 41 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 41-1 | 0.45143 |
| 41 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 191.3543 | 41-1 | 0.90286 |
| 41 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -305.3805 | 41-1 | 0.00000 |
| 41 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | -54.4640 | 41-1 | 0.45143 |
| 41 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 | 0.90286 |
| 41 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 41-1 | 0.00000 |
| 41 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 41-1 | 0.45143 |
| 41 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 193.1352 | 41-1 | 0.90286 |
| 41 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -253.2304 | 41-1 | 0.00000 |
| 41 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | -27.7689 | 41-1 | 0.45143 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 41 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 | 0.90286 |
| 41 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 41-1 | 0.00000 |
| 41 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 154.2523 | 41-1 | 0.45143 |
| 41 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 397.3729 | 41-1 | 0.90286 |
| 41 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -94.3286 | 41-1 | 0.00000 |
| 41 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 | 0.45143 |
| 41 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 | 0.90286 |
| 41 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 18.9432 | 41-1 | 0.00000 |
| 41 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 206.6918 | 41-1 | 0.45143 |
| 41 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 390.2451 | 41-1 | 0.90286 |
| 41 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 | 0.00000 |
| 41 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 | 0.45143 |
| 41 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 | 0.90286 |
| 42 | 0.00000 | SLE | Max | 0.0000 | 48.1181 | 42-1 | 0.00000 |
| 42 | 0.45143 | SLE | Max | 0.0000 | 340.7041 | 42-1 | 0.45143 |
| 42 | 0.90286 | SLE | Max | 0.0000 | 628.5923 | 42-1 | 0.90286 |
| 42 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 42-1 | 0.00000 |
| 42 | 0.45143 | SLE | Min | 0.0000 | 0.0000 | 42-1 | 0.45143 |
| 42 | 0.90286 | SLE | Min | 0.0000 | 0.0000 | 42-1 | 0.90286 |
| 42 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 191.3543 | 42-1 | 0.00000 |
| 42 | 0.45143 | SLE_SISMA_DOWN | Max | 0.0000 | 487.6936 | 42-1 | 0.45143 |
| 42 | 0.90286 | SLE_SISMA_DOWN | Max | 0.0000 | 779.0721 | 42-1 | 0.90286 |
| 42 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 0.00000 |
| 42 | 0.45143 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 0.45143 |
| 42 | 0.90286 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 0.90286 |
| 42 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 193.1352 | 42-1 | 0.00000 |
| 42 | 0.45143 | SLE_SISMA_UP | Max | 0.0000 | 458.2065 | 42-1 | 0.45143 |
| 42 | 0.90286 | SLE_SISMA_UP | Max | 0.0000 | 718.8431 | 42-1 | 0.90286 |
| 42 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 0.00000 |
| 42 | 0.45143 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 0.45143 |
| 42 | 0.90286 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 0.90286 |
| 42 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 397.3729 | 42-1 | 0.00000 |
| 42 | 0.45143 | SLU_SISMA_DOWN | Max | 0.0000 | 676.9929 | 42-1 | 0.45143 |
| 42 | 0.90286 | SLU_SISMA_DOWN | Max | 0.0000 | 951.2996 | 42-1 | 0.90286 |
| 42 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 42 | 0.45143 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 0.45143 |
| 42 | 0.90286 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 0.90286 |
| 42 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 390.2451 | 42-1 | 0.00000 |
| 42 | 0.45143 | SLU_SISMA_UP | Max | 0.0000 | 595.8752 | 42-1 | 0.45143 |
| 42 | 0.90286 | SLU_SISMA_UP | Max | 0.0000 | 797.4229 | 42-1 | 0.90286 |
| 42 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 0.00000 |
| 42 | 0.45143 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 0.45143 |
| 42 | 0.90286 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 0.90286 |
| 43 | 0.00000 | SLE | Max | 0.0000 | 628.5923 | 43-1 | 0.00000 |
| 43 | 0.44994 | SLE | Max | 0.0000 | 645.8272 | 43-1 | 0.44994 |
| 43 | 0.89989 | SLE | Max | 0.0000 | 658.0008 | 43-1 | 0.89989 |
| 43 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 43-1 | 0.00000 |
| 43 | 0.44994 | SLE | Min | 0.0000 | 0.0000 | 43-1 | 0.44994 |
| 43 | 0.89989 | SLE | Min | 0.0000 | 0.0000 | 43-1 | 0.89989 |
| 43 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 779.0721 | 43-1 | 0.00000 |
| 43 | 0.44994 | SLE_SISMA_DOWN | Max | 0.0000 | 769.5880 | 43-1 | 0.44994 |
| 43 | 0.89989 | SLE_SISMA_DOWN | Max | 0.0000 | 754.7592 | 43-1 | 0.89989 |
| 43 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.00000 |
| 43 | 0.44994 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.44994 |
| 43 | 0.89989 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.89989 |
| 43 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 718.8431 | 43-1 | 0.00000 |
| 43 | 0.44994 | SLE_SISMA_UP | Max | 0.0000 | 707.6453 | 43-1 | 0.44994 |
| 43 | 0.89989 | SLE_SISMA_UP | Max | 0.0000 | 691.6698 | 43-1 | 0.89989 |
| 43 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.00000 |
| 43 | 0.44994 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.44994 |
| 43 | 0.89989 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.89989 |
| 43 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 951.2996 | 43-1 | 0.00000 |
| 43 | 0.44994 | SLU_SISMA_DOWN | Max | 0.0000 | 906.0007 | 43-1 | 0.44994 |
| 43 | 0.89989 | SLU_SISMA_DOWN | Max | 0.0000 | 854.9776 | 43-1 | 0.89989 |
| 43 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.00000 |
| 43 | 0.44994 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.44994 |
| 43 | 0.89989 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.89989 |
| 43 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 797.4229 | 43-1 | 0.00000 |
| 43 | 0.44994 | SLU_SISMA_UP | Max | 0.0000 | 750.2595 | 43-1 | 0.44994 |
| 43 | 0.89989 | SLU_SISMA_UP | Max | 0.0000 | 698.6979 | 43-1 | 0.89989 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 43 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.00000 |
| 43 | 0.44994 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.44994 |
| 43 | 0.89989 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.89989 |
| 44 | 0.00000 | SLE | Max | 0.0000 | 658.0008 | 44-1 | 0.00000 |
| 44 | 0.44994 | SLE | Max | 0.0000 | 766.7950 | 44-1 | 0.44994 |
| 44 | 0.89989 | SLE | Max | 0.0000 | 870.5279 | 44-1 | 0.89989 |
| 44 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 44-1 | 0.00000 |
| 44 | 0.44994 | SLE | Min | 0.0000 | 0.0000 | 44-1 | 0.44994 |
| 44 | 0.89989 | SLE | Min | 0.0000 | 0.0000 | 44-1 | 0.89989 |
| 44 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 754.7592 | 44-1 | 0.00000 |
| 44 | 0.44994 | SLE_SISMA_DOWN | Max | 0.0000 | 834.0565 | 44-1 | 0.44994 |
| 44 | 0.89989 | SLE_SISMA_DOWN | Max | 0.0000 | 908.0090 | 44-1 | 0.89989 |
| 44 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.00000 |
| 44 | 0.44994 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.44994 |
| 44 | 0.89989 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.89989 |
| 44 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 691.6698 | 44-1 | 0.00000 |
| 44 | 0.44994 | SLE_SISMA_UP | Max | 0.0000 | 761.4619 | 44-1 | 0.44994 |
| 44 | 0.89989 | SLE_SISMA_UP | Max | 0.0000 | 826.4763 | 44-1 | 0.89989 |
| 44 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.00000 |
| 44 | 0.44994 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.44994 |
| 44 | 0.89989 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.89989 |
| 44 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 854.9776 | 44-1 | 0.00000 |
| 44 | 0.44994 | SLU_SISMA_DOWN | Max | 0.0000 | 895.2094 | 44-1 | 0.44994 |
| 44 | 0.89989 | SLU_SISMA_DOWN | Max | 0.0000 | 929.7168 | 44-1 | 0.89989 |
| 44 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.00000 |
| 44 | 0.44994 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.44994 |
| 44 | 0.89989 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.89989 |
| 44 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 698.6979 | 44-1 | 0.00000 |
| 44 | 0.44994 | SLU_SISMA_UP | Max | 0.0000 | 718.5899 | 44-1 | 0.44994 |
| 44 | 0.89989 | SLU_SISMA_UP | Max | 0.0000 | 734.0837 | 44-1 | 0.89989 |
| 44 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.00000 |
| 44 | 0.44994 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.44994 |
| 44 | 0.89989 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.89989 |
| 45 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 1.03479 | SLE | Max | 0.0000 | 11.6400 | 45-1 | 1.03479 |
| 45 | 2.06958 | SLE | Max | 0.0000 | 2.665E-14 | 45-1 | 2.06958 |
| 45 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 45-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 45 | 1.03479 | SLE | Min | 0.0000 | 0.0000 | 45-1 | 1.03479 |
| 45 | 2.06958 | SLE | Min | 0.0000 | 0.0000 | 45-1 | 2.06958 |
| 45 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 1.03479 | SLE_SISMA_DOWN | Max | 0.0000 | 12.2918 | 45-1 | 1.03479 |
| 45 | 2.06958 | SLE_SISMA_DOWN | Max | 0.0000 | 1.776E-14 | 45-1 | 2.06958 |
| 45 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 1.03479 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 1.03479 |
| 45 | 2.06958 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 2.06958 |
| 45 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 1.03479 | SLE_SISMA_UP | Max | 0.0000 | 10.9881 | 45-1 | 1.03479 |
| 45 | 2.06958 | SLE_SISMA_UP | Max | 0.0000 | 8.882E-15 | 45-1 | 2.06958 |
| 45 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 1.03479 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 1.03479 |
| 45 | 2.06958 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 2.06958 |
| 45 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 1.03479 | SLU_SISMA_DOWN | Max | 0.0000 | 13.1648 | 45-1 | 1.03479 |
| 45 | 2.06958 | SLU_SISMA_DOWN | Max | 0.0000 | 1.776E-14 | 45-1 | 2.06958 |
| 45 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 1.03479 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 1.03479 |
| 45 | 2.06958 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 2.06958 |
| 45 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 1.03479 | SLU_SISMA_UP | Max | 0.0000 | 10.1151 | 45-1 | 1.03479 |
| 45 | 2.06958 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 | 2.06958 |
| 45 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 1.03479 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 1.03479 |
| 45 | 2.06958 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 2.06958 |
| 46 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 1.03479 | SLE | Max | 0.0000 | 11.6400 | 46-1 | 1.03479 |
| 46 | 2.06958 | SLE | Max | 0.0000 | 2.665E-14 | 46-1 | 2.06958 |
| 46 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 1.03479 | SLE | Min | 0.0000 | 0.0000 | 46-1 | 1.03479 |
| 46 | 2.06958 | SLE | Min | 0.0000 | 0.0000 | 46-1 | 2.06958 |
| 46 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 1.03479 | SLE_SISMA_DOWN | Max | 0.0000 | 12.2918 | 46-1 | 1.03479 |
| 46 | 2.06958 | SLE_SISMA_DOWN | Max | 0.0000 | 1.776E-14 | 46-1 | 2.06958 |
| 46 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 46 | 1.03479 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 1.03479 |
| 46 | 2.06958 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 2.06958 |
| 46 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 1.03479 | SLE_SISMA_UP | Max | 0.0000 | 10.9881 | 46-1 | 1.03479 |
| 46 | 2.06958 | SLE_SISMA_UP | Max | 0.0000 | 8.882E-15 | 46-1 | 2.06958 |
| 46 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 1.03479 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 1.03479 |
| 46 | 2.06958 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 2.06958 |
| 46 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 1.03479 | SLU_SISMA_DOWN | Max | 0.0000 | 13.1648 | 46-1 | 1.03479 |
| 46 | 2.06958 | SLU_SISMA_DOWN | Max | 0.0000 | 1.776E-14 | 46-1 | 2.06958 |
| 46 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 1.03479 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 1.03479 |
| 46 | 2.06958 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 2.06958 |
| 46 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 1.03479 | SLU_SISMA_UP | Max | 0.0000 | 10.1151 | 46-1 | 1.03479 |
| 46 | 2.06958 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 | 2.06958 |
| 46 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 1.03479 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 1.03479 |
| 46 | 2.06958 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 2.06958 |

## Table: Element Joint Forces - Frames, Part 1 of 2

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 1 | 1 | SLE | NonStatic | Max | 1332.936 | 0.000 | 339.850 | 0.0000 |
| 1 | 2 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 2 | SLE | NonStatic | Min | -1460.249 | 0.000 | -288.762 | 0.0000 |
| 1 | 1 | SLE_SISMA_DOWN | NonStatic | Max | 1414.334 | 0.000 | 269.553 | 0.0000 |
| 1 | 2 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 2 | SLE_SISMA_DOWN | NonStatic | Min | -1552.971 | 0.000 | -215.604 | 0.0000 |
| 1 | 1 | SLE_SISMA_UP | NonStatic | Max | 1265.622 | 0.000 | 240.177 | 0.0000 |
| 1 | 2 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 1 | 1 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 2 | SLE_SISMA_UP | NonStatic | Min | -1404.259 | 0.000 | -191.950 | 0.0000 |
| 1 | 1 | SLU_SISMA_DOWN | NonStatic | Max | 1399.398 | 0.000 | 176.738 | 0.0000 |
| 1 | 2 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 2 | SLU_SISMA_DOWN | NonStatic | Min | -1580.228 | 0.000 | -118.957 | 0.0000 |
| 1 | 1 | SLU_SISMA_UP | NonStatic | Max | 1040.674 | 0.000 | 111.981 | 0.0000 |
| 1 | 2 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 2 | SLU_SISMA_UP | NonStatic | Min | -1221.504 | 0.000 | -67.586 | 0.0000 |
| 2 | 2 | SLE | NonStatic | Max | 0.000 | 0.000 | 1339.987 | 0.0000 |
| 2 | 3 | SLE | NonStatic | Max | 329.013 | 0.000 | 0.000 | 0.0000 |
| 2 | 2 | SLE | NonStatic | Min | -427.864 | 0.000 | 0.000 | 0.0000 |
| 2 | 3 | SLE | NonStatic | Min | 0.000 | 0.000 | -1306.707 | 0.0000 |
| 2 | 2 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1349.545 | 0.0000 |
| 2 | 3 | SLE_SISMA_DOWN | NonStatic | Max | 384.270 | 0.000 | 0.000 | 0.0000 |
| 2 | 2 | SLE_SISMA_DOWN | NonStatic | Min | -492.520 | 0.000 | 0.000 | 0.0000 |
| 2 | 3 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1314.401 | 0.0000 |
| 2 | 2 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1239.867 | 0.0000 |
| 2 | 3 | SLE_SISMA_UP | NonStatic | Max | 376.352 | 0.000 | 0.000 | 0.0000 |
| 2 | 2 | SLE_SISMA_UP | NonStatic | Min | -484.601 | 0.000 | 0.000 | 0.0000 |
| 2 | 3 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1208.451 | 0.0000 |
| 2 | 2 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1368.922 | 0.0000 |
| 2 | 3 | SLU_SISMA_DOWN | NonStatic | Max | 531.140 | 0.000 | 0.000 | 0.0000 |
| 2 | 2 | SLU_SISMA_DOWN | NonStatic | Min | -673.049 | 0.000 | 0.000 | 0.0000 |
| 2 | 3 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1331.283 | 0.0000 |
| 2 | 2 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1108.298 | 0.0000 |
| 2 | 3 | SLU_SISMA_UP | NonStatic | Max | 509.338 | 0.000 | 0.000 | 0.0000 |
| 2 | 2 | SLU_SISMA_UP | NonStatic | Min | -651.248 | 0.000 | 0.000 | 0.0000 |
| 2 | 3 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1079.377 | 0.0000 |
| 3 | 3 | SLE | NonStatic | Max | 0.000 | 0.000 | 1306.707 | 0.0000 |
| 3 | 4 | SLE | NonStatic | Max | 225.997 | 0.000 | 0.000 | 0.0000 |
| 3 | 3 | SLE | NonStatic | Min | -318.774 | 0.000 | 0.000 | 0.0000 |
| 3 | 4 | SLE | NonStatic | Min | 0.000 | 0.000 | -1278.303 | 0.0000 |
| 3 | 3 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1314.401 | 0.0000 |
| 3 | 4 | SLE_SISMA_DOWN | NonStatic | Max | 282.096 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 3 | 3 | SLE_SISMA_DOWN | NonStatic | Min | -384.270 | 0.000 | 0.000 | 0.0000 |
| 3 | 4 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1284.406 | 0.0000 |
| 3 | 3 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1208.451 | 0.0000 |
| 3 | 4 | SLE_SISMA_UP | NonStatic | Max | 274.177 | 0.000 | 0.000 | 0.0000 |
| 3 | 3 | SLE_SISMA_UP | NonStatic | Min | -376.352 | 0.000 | 0.000 | 0.0000 |
| 3 | 4 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1181.637 | 0.0000 |
| 3 | 3 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1331.283 | 0.0000 |
| 3 | 4 | SLU_SISMA_DOWN | NonStatic | Max | 396.514 | 0.000 | 0.000 | 0.0000 |
| 3 | 3 | SLU_SISMA_DOWN | NonStatic | Min | -531.140 | 0.000 | 0.000 | 0.0000 |
| 3 | 4 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1299.157 | 0.0000 |
| 3 | 3 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1079.377 | 0.0000 |
| 3 | 4 | SLU_SISMA_UP | NonStatic | Max | 374.712 | 0.000 | 0.000 | 0.0000 |
| 3 | 3 | SLU_SISMA_UP | NonStatic | Min | -509.338 | 0.000 | 0.000 | 0.0000 |
| 3 | 4 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1054.694 | 0.0000 |
| 4 | 4 | SLE | NonStatic | Max | 0.000 | 0.000 | 1278.303 | 0.0000 |
| 4 | 5 | SLE | NonStatic | Max | 127.826 | 0.000 | 0.000 | 0.0000 |
| 4 | 4 | SLE | NonStatic | Min | -214.457 | 0.000 | 0.000 | 0.0000 |
| 4 | 5 | SLE | NonStatic | Min | 0.000 | 0.000 | -1252.230 | 0.0000 |
| 4 | 4 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1284.406 | 0.0000 |
| 4 | 5 | SLE_SISMA_DOWN | NonStatic | Max | 186.067 | 0.000 | 0.000 | 0.0000 |
| 4 | 4 | SLE_SISMA_DOWN | NonStatic | Min | -282.096 | 0.000 | 0.000 | 0.0000 |
| 4 | 5 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1256.873 | 0.0000 |
| 4 | 4 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1181.637 | 0.0000 |
| 4 | 5 | SLE_SISMA_UP | NonStatic | Max | 178.149 | 0.000 | 0.000 | 0.0000 |
| 4 | 4 | SLE_SISMA_UP | NonStatic | Min | -274.177 | 0.000 | 0.000 | 0.0000 |
| 4 | 5 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1157.024 | 0.0000 |
| 4 | 4 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1299.157 | 0.0000 |
| 4 | 5 | SLU_SISMA_DOWN | NonStatic | Max | 269.258 | 0.000 | 0.000 | 0.0000 |
| 4 | 4 | SLU_SISMA_DOWN | NonStatic | Min | -396.514 | 0.000 | 0.000 | 0.0000 |
| 4 | 5 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1269.669 | 0.0000 |
| 4 | 4 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1054.694 | 0.0000 |
| 4 | 5 | SLU_SISMA_UP | NonStatic | Max | 247.456 | 0.000 | 0.000 | 0.0000 |
| 4 | 4 | SLU_SISMA_UP | NonStatic | Min | -374.712 | 0.000 | 0.000 | 0.0000 |
| 4 | 5 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1032.037 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 5 | 5 | SLE | NonStatic | Max | 0.000 | 0.000 | 1252.230 | 0.0000 |
| 5 | 6 | SLE | NonStatic | Max | 18.361 | 0.000 | 0.000 | 0.0000 |
| 5 | 5 | SLE | NonStatic | Min | -121.824 | 0.000 | 0.000 | 0.0000 |
| 5 | 6 | SLE | NonStatic | Min | 0.000 | 0.000 | -1198.702 | 0.0000 |
| 5 | 5 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1256.873 | 0.0000 |
| 5 | 6 | SLE_SISMA_DOWN | NonStatic | Max | 70.380 | 0.000 | 0.000 | 0.0000 |
| 5 | 5 | SLE_SISMA_DOWN | NonStatic | Min | -186.067 | 0.000 | 0.000 | 0.0000 |
| 5 | 6 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1200.801 | 0.0000 |
| 5 | 5 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1157.024 | 0.0000 |
| 5 | 6 | SLE_SISMA_UP | NonStatic | Max | 62.462 | 0.000 | 0.000 | 0.0000 |
| 5 | 5 | SLE_SISMA_UP | NonStatic | Min | -178.149 | 0.000 | 0.000 | 0.0000 |
| 5 | 6 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1106.040 | 0.0000 |
| 5 | 5 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1269.669 | 0.0000 |
| 5 | 6 | SLU_SISMA_DOWN | NonStatic | Max | 114.787 | 0.000 | 0.000 | 0.0000 |
| 5 | 5 | SLU_SISMA_DOWN | NonStatic | Min | -269.258 | 0.000 | 0.000 | 0.0000 |
| 5 | 6 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1210.098 | 0.0000 |
| 5 | 5 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1032.037 | 0.0000 |
| 5 | 6 | SLU_SISMA_UP | NonStatic | Max | 92.985 | 0.000 | 0.000 | 0.0000 |
| 5 | 5 | SLU_SISMA_UP | NonStatic | Min | -247.456 | 0.000 | 0.000 | 0.0000 |
| 5 | 6 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -984.552 | 0.0000 |
| 6 | 6 | SLE | NonStatic | Max | 0.000 | 0.000 | 1198.702 | 0.0000 |
| 6 | 7 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 6 | SLE | NonStatic | Min | -18.362 | 0.000 | 0.000 | 0.0000 |
| 6 | 7 | SLE | NonStatic | Min | -72.554 | 0.000 | -1107.275 | 0.0000 |
| 6 | 6 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1200.801 | 0.0000 |
| 6 | 7 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 6 | SLE_SISMA_DOWN | NonStatic | Min | -70.380 | 0.000 | 0.000 | 0.0000 |
| 6 | 7 | SLE_SISMA_DOWN | NonStatic | Min | -32.458 | 0.000 | -1105.470 | 0.0000 |
| 6 | 6 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1106.040 | 0.0000 |
| 6 | 7 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 6 | SLE_SISMA_UP | NonStatic | Min | -62.462 | 0.000 | 0.000 | 0.0000 |
| 6 | 7 | SLE_SISMA_UP | NonStatic | Min | -40.377 | 0.000 | -1018.518 | 0.0000 |
| 6 | 6 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1210.098 | 0.0000 |
| 6 | 7 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 6 | SLU_SISMA_DOWN | NonStatic | Min | -114.787 | 0.000 | 0.000 | 0.0000 |
| 6 | 7 | SLU_SISMA_DOWN | NonStatic | Min | -23.891 | 0.000 | -1109.292 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 6 | 6 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 984.552 | 0.0000 |
| 6 | 7 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 6 | SLU_SISMA_UP | NonStatic | Min | -92.985 | 0.000 | 0.000 | 0.0000 |
| 6 | 7 | SLU_SISMA_UP | NonStatic | Min | -45.693 | 0.000 | -902.504 | 0.0000 |
| 7 | 7 | SLE | NonStatic | Max | 72.551 | 0.000 | 1107.276 | 0.0000 |
| 7 | 8 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 7 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 8 | SLE | NonStatic | Min | -149.781 | 0.000 | -979.710 | 0.0000 |
| 7 | 7 | SLE_SISMA_DOWN | NonStatic | Max | 32.458 | 0.000 | 1105.470 | 0.0000 |
| 7 | 8 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 7 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 8 | SLE_SISMA_DOWN | NonStatic | Min | -121.016 | 0.000 | -972.542 | 0.0000 |
| 7 | 7 | SLE_SISMA_UP | NonStatic | Max | 40.377 | 0.000 | 1018.518 | 0.0000 |
| 7 | 8 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 7 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 8 | SLE_SISMA_UP | NonStatic | Min | -128.935 | 0.000 | -896.314 | 0.0000 |
| 7 | 7 | SLU_SISMA_DOWN | NonStatic | Max | 23.891 | 0.000 | 1109.292 | 0.0000 |
| 7 | 8 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 7 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 8 | SLU_SISMA_DOWN | NonStatic | Min | -144.679 | 0.000 | -968.822 | 0.0000 |
| 7 | 7 | SLU_SISMA_UP | NonStatic | Max | 45.693 | 0.000 | 902.504 | 0.0000 |
| 7 | 8 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 7 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 8 | SLU_SISMA_UP | NonStatic | Min | -166.481 | 0.000 | -787.842 | 0.0000 |
| 8 | 8 | SLE | NonStatic | Max | 149.777 | 0.000 | 979.712 | 0.0000 |
| 8 | 9 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 8 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 9 | SLE | NonStatic | Min | -213.167 | 0.000 | -832.057 | 0.0000 |
| 8 | 8 | SLE_SISMA_DOWN | NonStatic | Max | 121.016 | 0.000 | 972.542 | 0.0000 |
| 8 | 9 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 8 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 9 | SLE_SISMA_DOWN | NonStatic | Min | -194.862 | 0.000 | -818.782 | 0.0000 |
| 8 | 8 | SLE_SISMA_UP | NonStatic | Max | 128.935 | 0.000 | 896.314 | 0.0000 |
| 8 | 9 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 8 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 9 | SLE_SISMA_UP | NonStatic | Min | -202.780 | 0.000 | -754.764 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 8 | 8 | SLU_SISMA_DOWN | NonStatic | Max | 144.679 | 0.000 | 968.822 | 0.0000 |
| 8 | 9 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 8 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 9 | SLU_SISMA_DOWN | NonStatic | Min | -246.701 | 0.000 | -806.447 | 0.0000 |
| 8 | 8 | SLU_SISMA_UP | NonStatic | Max | 166.481 | 0.000 | 787.842 | 0.0000 |
| 8 | 9 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 8 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 9 | SLU_SISMA_UP | NonStatic | Min | -268.503 | 0.000 | -654.906 | 0.0000 |
| 9 | 9 | SLE | NonStatic | Max | 213.162 | 0.000 | 832.061 | 0.0000 |
| 9 | 10 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 9 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 10 | SLE | NonStatic | Min | -263.310 | 0.000 | -685.018 | 0.0000 |
| 9 | 9 | SLE_SISMA_DOWN | NonStatic | Max | 194.862 | 0.000 | 818.782 | 0.0000 |
| 9 | 10 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 9 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 10 | SLE_SISMA_DOWN | NonStatic | Min | -254.334 | 0.000 | -665.889 | 0.0000 |
| 9 | 9 | SLE_SISMA_UP | NonStatic | Max | 202.780 | 0.000 | 754.764 | 0.0000 |
| 9 | 10 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 9 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 10 | SLE_SISMA_UP | NonStatic | Min | -262.252 | 0.000 | -613.569 | 0.0000 |
| 9 | 9 | SLU_SISMA_DOWN | NonStatic | Max | 246.701 | 0.000 | 806.447 | 0.0000 |
| 9 | 10 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 9 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 10 | SLU_SISMA_DOWN | NonStatic | Min | -330.031 | 0.000 | -645.238 | 0.0000 |
| 9 | 9 | SLU_SISMA_UP | NonStatic | Max | 268.503 | 0.000 | 654.906 | 0.0000 |
| 9 | 10 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 9 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 10 | SLU_SISMA_UP | NonStatic | Min | -351.832 | 0.000 | -522.028 | 0.0000 |
| 10 | 10 | SLE | NonStatic | Max | 263.304 | 0.000 | 685.024 | 0.0000 |
| 10 | 11 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 10 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 11 | SLE | NonStatic | Min | -301.355 | 0.000 | -543.346 | 0.0000 |
| 10 | 10 | SLE_SISMA_DOWN | NonStatic | Max | 254.334 | 0.000 | 665.889 | 0.0000 |
| 10 | 11 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 10 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 11 | SLE_SISMA_DOWN | NonStatic | Min | -300.349 | 0.000 | -518.759 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 10 | 10 | SLE_SISMA_UP | NonStatic | Max | 262.252 | 0.000 | 613.569 | 0.0000 |
| 10 | 11 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 10 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 11 | SLE_SISMA_UP | NonStatic | Min | -308.267 | 0.000 | -477.344 | 0.0000 |
| 10 | 10 | SLU_SISMA_DOWN | NonStatic | Max | 330.031 | 0.000 | 645.238 | 0.0000 |
| 10 | 11 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 10 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 11 | SLU_SISMA_DOWN | NonStatic | Min | -395.470 | 0.000 | -490.303 | 0.0000 |
| 10 | 10 | SLU_SISMA_UP | NonStatic | Max | 351.832 | 0.000 | 522.028 | 0.0000 |
| 10 | 11 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 10 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 11 | SLU_SISMA_UP | NonStatic | Min | -417.272 | 0.000 | -393.608 | 0.0000 |
| 11 | 11 | SLE | NonStatic | Max | 301.349 | 0.000 | 543.355 | 0.0000 |
| 11 | 12 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 11 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 12 | SLE | NonStatic | Min | -328.758 | 0.000 | -404.862 | 0.0000 |
| 11 | 11 | SLE_SISMA_DOWN | NonStatic | Max | 300.349 | 0.000 | 518.759 | 0.0000 |
| 11 | 12 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 11 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 12 | SLE_SISMA_DOWN | NonStatic | Min | -334.164 | 0.000 | -375.002 | 0.0000 |
| 11 | 11 | SLE_SISMA_UP | NonStatic | Max | 308.267 | 0.000 | 477.344 | 0.0000 |
| 11 | 12 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 11 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 12 | SLE_SISMA_UP | NonStatic | Min | -342.083 | 0.000 | -344.116 | 0.0000 |
| 11 | 11 | SLU_SISMA_DOWN | NonStatic | Max | 395.470 | 0.000 | 490.303 | 0.0000 |
| 11 | 12 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 11 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 12 | SLU_SISMA_DOWN | NonStatic | Min | -444.276 | 0.000 | -338.991 | 0.0000 |
| 11 | 11 | SLU_SISMA_UP | NonStatic | Max | 417.272 | 0.000 | 393.608 | 0.0000 |
| 11 | 12 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 11 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 12 | SLU_SISMA_UP | NonStatic | Min | -466.078 | 0.000 | -267.935 | 0.0000 |
| 12 | 12 | SLE | NonStatic | Max | 328.753 | 0.000 | 404.872 | 0.0000 |
| 12 | 13 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 12 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 13 | SLE | NonStatic | Min | -347.022 | 0.000 | -268.251 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 12 | 12 | SLE_SISMA_DOWN | NonStatic | Max | 334.164 | 0.000 | 375.002 | 0.0000 |
| 12 | 13 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 12 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 13 | SLE_SISMA_DOWN | NonStatic | Min | -357.126 | 0.000 | -233.187 | 0.0000 |
| 12 | 12 | SLE_SISMA_UP | NonStatic | Max | 342.083 | 0.000 | 344.116 | 0.0000 |
| 12 | 13 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 12 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 13 | SLE_SISMA_UP | NonStatic | Min | -365.045 | 0.000 | -212.689 | 0.0000 |
| 12 | 12 | SLU_SISMA_DOWN | NonStatic | Max | 444.276 | 0.000 | 338.991 | 0.0000 |
| 12 | 13 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 12 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 13 | SLU_SISMA_DOWN | NonStatic | Min | -477.858 | 0.000 | -189.722 | 0.0000 |
| 12 | 12 | SLU_SISMA_UP | NonStatic | Max | 466.078 | 0.000 | 267.935 | 0.0000 |
| 12 | 13 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 12 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 13 | SLU_SISMA_UP | NonStatic | Min | -499.660 | 0.000 | -143.962 | 0.0000 |
| 13 | 13 | SLE | NonStatic | Max | 347.019 | 0.000 | 268.264 | 0.0000 |
| 13 | 14 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 13 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 14 | SLE | NonStatic | Min | -357.414 | 0.000 | -133.529 | 0.0000 |
| 13 | 13 | SLE_SISMA_DOWN | NonStatic | Max | 357.126 | 0.000 | 233.187 | 0.0000 |
| 13 | 14 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 13 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 14 | SLE_SISMA_DOWN | NonStatic | Min | -370.385 | 0.000 | -93.318 | 0.0000 |
| 13 | 13 | SLE_SISMA_UP | NonStatic | Max | 365.045 | 0.000 | 212.689 | 0.0000 |
| 13 | 14 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 13 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 14 | SLE_SISMA_UP | NonStatic | Min | -378.303 | 0.000 | -83.087 | 0.0000 |
| 13 | 13 | SLU_SISMA_DOWN | NonStatic | Max | 477.858 | 0.000 | 189.722 | 0.0000 |
| 13 | 14 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 13 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 14 | SLU_SISMA_DOWN | NonStatic | Min | -497.446 | 0.000 | -42.490 | 0.0000 |
| 13 | 13 | SLU_SISMA_UP | NonStatic | Max | 499.660 | 0.000 | 143.962 | 0.0000 |
| 13 | 14 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 13 | 13 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 14 | SLU_SISMA_UP | NonStatic | Min | -519.247 | 0.000 | -21.724 | 0.0000 |
| 14 | 14 | SLE | NonStatic | Max | 357.412 | 0.000 | 133.542 | 0.0000 |
| 14 | 15 | SLE | NonStatic | Max | 0.000 | 0.000 | 6.828E-03 | 0.0000 |
| 14 | 14 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 15 | SLE | NonStatic | Min | -360.780 | 0.000 | 0.000 | 0.0000 |
| 14 | 14 | SLE_SISMA_DOWN | NonStatic | Max | 370.385 | 0.000 | 93.318 | 0.0000 |
| 14 | 15 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 45.325 | 0.0000 |
| 14 | 14 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 15 | SLE_SISMA_DOWN | NonStatic | Min | -374.715 | 0.000 | 0.000 | 0.0000 |
| 14 | 14 | SLE_SISMA_UP | NonStatic | Max | 378.303 | 0.000 | 83.087 | 0.0000 |
| 14 | 15 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 45.366 | 0.0000 |
| 14 | 14 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 15 | SLE_SISMA_UP | NonStatic | Min | -382.633 | 0.000 | 0.000 | 0.0000 |
| 14 | 14 | SLU_SISMA_DOWN | NonStatic | Max | 497.446 | 0.000 | 42.490 | 0.0000 |
| 14 | 15 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 103.460 | 0.0000 |
| 14 | 14 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 15 | SLU_SISMA_DOWN | NonStatic | Min | -503.878 | 0.000 | 0.000 | 0.0000 |
| 14 | 14 | SLU_SISMA_UP | NonStatic | Max | 519.247 | 0.000 | 21.724 | 0.0000 |
| 14 | 15 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 99.423 | 0.0000 |
| 14 | 14 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 15 | SLU_SISMA_UP | NonStatic | Min | -525.680 | 0.000 | 0.000 | 0.0000 |
| 15 | 15 | SLE | NonStatic | Max | 360.780 | 0.000 | 6.828E-03 | 0.0000 |
| 15 | 16 | SLE | NonStatic | Max | 0.000 | 0.000 | 133.542 | 0.0000 |
| 15 | 15 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 15 | 16 | SLE | NonStatic | Min | -357.412 | 0.000 | 0.000 | 0.0000 |
| 15 | 15 | SLE_SISMA_DOWN | NonStatic | Max | 374.715 | 0.000 | 0.000 | 0.0000 |
| 15 | 16 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 183.969 | 0.0000 |
| 15 | 15 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -45.325 | 0.0000 |
| 15 | 16 | SLE_SISMA_DOWN | NonStatic | Min | -372.309 | 0.000 | 0.000 | 0.0000 |
| 15 | 15 | SLE_SISMA_UP | NonStatic | Max | 382.633 | 0.000 | 0.000 | 0.0000 |
| 15 | 16 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 173.820 | 0.0000 |
| 15 | 15 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -45.366 | 0.0000 |
| 15 | 16 | SLE_SISMA_UP | NonStatic | Min | -380.227 | 0.000 | 0.000 | 0.0000 |
| 15 | 15 | SLU_SISMA_DOWN | NonStatic | Max | 503.878 | 0.000 | 0.000 | 0.0000 |
| 15 | 16 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 249.410 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 15 | 15 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -103.460 | 0.0000 |
| 15 | 16 | SLU_SISMA_DOWN | NonStatic | Min | -502.233 | 0.000 | 0.000 | 0.0000 |
| 15 | 15 | SLU_SISMA_UP | NonStatic | Max | 525.680 | 0.000 | 0.000 | 0.0000 |
| 15 | 16 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 220.570 | 0.0000 |
| 15 | 15 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -99.423 | 0.0000 |
| 15 | 16 | SLU_SISMA_UP | NonStatic | Min | -524.035 | 0.000 | 0.000 | 0.0000 |
| 16 | 16 | SLE | NonStatic | Max | 357.414 | 0.000 | 0.000 | 0.0000 |
| 16 | 17 | SLE | NonStatic | Max | 0.000 | 0.000 | 268.264 | 0.0000 |
| 16 | 16 | SLE | NonStatic | Min | 0.000 | 0.000 | -133.529 | 0.0000 |
| 16 | 17 | SLE | NonStatic | Min | -347.019 | 0.000 | 0.000 | 0.0000 |
| 16 | 16 | SLE_SISMA_DOWN | NonStatic | Max | 372.309 | 0.000 | 0.000 | 0.0000 |
| 16 | 17 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 323.838 | 0.0000 |
| 16 | 16 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -183.969 | 0.0000 |
| 16 | 17 | SLE_SISMA_DOWN | NonStatic | Min | -364.775 | 0.000 | 0.000 | 0.0000 |
| 16 | 16 | SLE_SISMA_UP | NonStatic | Max | 380.227 | 0.000 | 0.000 | 0.0000 |
| 16 | 17 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 303.421 | 0.0000 |
| 16 | 16 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -173.820 | 0.0000 |
| 16 | 17 | SLE_SISMA_UP | NonStatic | Min | -372.694 | 0.000 | 0.000 | 0.0000 |
| 16 | 16 | SLU_SISMA_DOWN | NonStatic | Max | 502.233 | 0.000 | 0.000 | 0.0000 |
| 16 | 17 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 396.642 | 0.0000 |
| 16 | 16 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -249.410 | 0.0000 |
| 16 | 17 | SLU_SISMA_DOWN | NonStatic | Min | -496.892 | 0.000 | 0.000 | 0.0000 |
| 16 | 16 | SLU_SISMA_UP | NonStatic | Max | 524.035 | 0.000 | 0.000 | 0.0000 |
| 16 | 17 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 342.809 | 0.0000 |
| 16 | 16 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -220.570 | 0.0000 |
| 16 | 17 | SLU_SISMA_UP | NonStatic | Min | -518.693 | 0.000 | 0.000 | 0.0000 |
| 17 | 17 | SLE | NonStatic | Max | 347.022 | 0.000 | 0.000 | 0.0000 |
| 17 | 18 | SLE | NonStatic | Max | 0.000 | 0.000 | 404.872 | 0.0000 |
| 17 | 17 | SLE | NonStatic | Min | 0.000 | 0.000 | -268.251 | 0.0000 |
| 17 | 18 | SLE | NonStatic | Min | -328.753 | 0.000 | 0.000 | 0.0000 |
| 17 | 17 | SLE_SISMA_DOWN | NonStatic | Max | 364.775 | 0.000 | 0.000 | 0.0000 |
| 17 | 18 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 465.653 | 0.0000 |
| 17 | 17 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -323.838 | 0.0000 |
| 17 | 18 | SLE_SISMA_DOWN | NonStatic | Min | -351.198 | 0.000 | 0.000 | 0.0000 |
| 17 | 17 | SLE_SISMA_UP | NonStatic | Max | 372.694 | 0.000 | 0.000 | 0.0000 |
| 17 | 18 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 434.848 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 17 | 17 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -303.421 | 0.0000 |
| 17 | 18 | SLE_SISMA_UP | NonStatic | Min | -359.117 | 0.000 | 0.000 | 0.0000 |
| 17 | 17 | SLU_SISMA_DOWN | NonStatic | Max | 496.892 | 0.000 | 0.000 | 0.0000 |
| 17 | 18 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 545.911 | 0.0000 |
| 17 | 17 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -396.642 | 0.0000 |
| 17 | 18 | SLU_SISMA_DOWN | NonStatic | Min | -486.663 | 0.000 | 0.000 | 0.0000 |
| 17 | 17 | SLU_SISMA_UP | NonStatic | Max | 518.693 | 0.000 | 0.000 | 0.0000 |
| 17 | 18 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 466.781 | 0.0000 |
| 17 | 17 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -342.809 | 0.0000 |
| 17 | 18 | SLU_SISMA_UP | NonStatic | Min | -508.465 | 0.000 | 0.000 | 0.0000 |
| 18 | 18 | SLE | NonStatic | Max | 328.758 | 0.000 | 0.000 | 0.0000 |
| 18 | 19 | SLE | NonStatic | Max | 0.000 | 0.000 | 543.355 | 0.0000 |
| 18 | 18 | SLE | NonStatic | Min | 0.000 | 0.000 | -404.862 | 0.0000 |
| 18 | 19 | SLE | NonStatic | Min | -301.349 | 0.000 | 0.000 | 0.0000 |
| 18 | 18 | SLE_SISMA_DOWN | NonStatic | Max | 351.198 | 0.000 | 0.000 | 0.0000 |
| 18 | 19 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 609.410 | 0.0000 |
| 18 | 18 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -465.653 | 0.0000 |
| 18 | 19 | SLE_SISMA_DOWN | NonStatic | Min | -330.196 | 0.000 | 0.000 | 0.0000 |
| 18 | 18 | SLE_SISMA_UP | NonStatic | Max | 359.117 | 0.000 | 0.000 | 0.0000 |
| 18 | 19 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 568.076 | 0.0000 |
| 18 | 18 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -434.848 | 0.0000 |
| 18 | 19 | SLE_SISMA_UP | NonStatic | Min | -338.114 | 0.000 | 0.000 | 0.0000 |
| 18 | 18 | SLU_SISMA_DOWN | NonStatic | Max | 486.663 | 0.000 | 0.000 | 0.0000 |
| 18 | 19 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 697.223 | 0.0000 |
| 18 | 18 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -545.911 | 0.0000 |
| 18 | 19 | SLU_SISMA_DOWN | NonStatic | Min | -469.741 | 0.000 | 0.000 | 0.0000 |
| 18 | 18 | SLU_SISMA_UP | NonStatic | Max | 508.465 | 0.000 | 0.000 | 0.0000 |
| 18 | 19 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 592.455 | 0.0000 |
| 18 | 18 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -466.781 | 0.0000 |
| 18 | 19 | SLU_SISMA_UP | NonStatic | Min | -491.543 | 0.000 | 0.000 | 0.0000 |
| 19 | 19 | SLE | NonStatic | Max | 301.355 | 0.000 | 0.000 | 0.0000 |
| 19 | 20 | SLE | NonStatic | Max | 0.000 | 0.000 | 685.024 | 0.0000 |
| 19 | 19 | SLE | NonStatic | Min | 0.000 | 0.000 | -543.346 | 0.0000 |
| 19 | 20 | SLE | NonStatic | Min | -263.304 | 0.000 | 0.000 | 0.0000 |
| 19 | 19 | SLE_SISMA_DOWN | NonStatic | Max | 330.196 | 0.000 | 0.000 | 0.0000 |
| 19 | 20 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 756.540 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 19 | 19 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -609.410 | 0.0000 |
| 19 | 20 | SLE_SISMA_DOWN | NonStatic | Min | -300.108 | 0.000 | 0.000 | 0.0000 |
| 19 | 19 | SLE_SISMA_UP | NonStatic | Max | 338.114 | 0.000 | 0.000 | 0.0000 |
| 19 | 20 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 704.301 | 0.0000 |
| 19 | 19 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -568.076 | 0.0000 |
| 19 | 20 | SLE_SISMA_UP | NonStatic | Min | -308.026 | 0.000 | 0.000 | 0.0000 |
| 19 | 19 | SLU_SISMA_DOWN | NonStatic | Max | 469.741 | 0.000 | 0.000 | 0.0000 |
| 19 | 20 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 852.158 | 0.0000 |
| 19 | 19 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -697.223 | 0.0000 |
| 19 | 20 | SLU_SISMA_DOWN | NonStatic | Min | -443.933 | 0.000 | 0.000 | 0.0000 |
| 19 | 19 | SLU_SISMA_UP | NonStatic | Max | 491.543 | 0.000 | 0.000 | 0.0000 |
| 19 | 20 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 720.875 | 0.0000 |
| 19 | 19 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -592.455 | 0.0000 |
| 19 | 20 | SLU_SISMA_UP | NonStatic | Min | -465.735 | 0.000 | 0.000 | 0.0000 |
| 20 | 20 | SLE | NonStatic | Max | 263.310 | 0.000 | 0.000 | 0.0000 |
| 20 | 21 | SLE | NonStatic | Max | 0.000 | 0.000 | 832.061 | 0.0000 |
| 20 | 20 | SLE | NonStatic | Min | 0.000 | 0.000 | -685.018 | 0.0000 |
| 20 | 21 | SLE | NonStatic | Min | -213.162 | 0.000 | 0.000 | 0.0000 |
| 20 | 20 | SLE_SISMA_DOWN | NonStatic | Max | 300.108 | 0.000 | 0.000 | 0.0000 |
| 20 | 21 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 909.433 | 0.0000 |
| 20 | 20 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -756.540 | 0.0000 |
| 20 | 21 | SLE_SISMA_DOWN | NonStatic | Min | -259.284 | 0.000 | 0.000 | 0.0000 |
| 20 | 20 | SLE_SISMA_UP | NonStatic | Max | 308.026 | 0.000 | 0.000 | 0.0000 |
| 20 | 21 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 845.496 | 0.0000 |
| 20 | 20 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -704.301 | 0.0000 |
| 20 | 21 | SLE_SISMA_UP | NonStatic | Min | -267.202 | 0.000 | 0.000 | 0.0000 |
| 20 | 20 | SLU_SISMA_DOWN | NonStatic | Max | 443.933 | 0.000 | 0.000 | 0.0000 |
| 20 | 21 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1013.367 | 0.0000 |
| 20 | 20 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -852.158 | 0.0000 |
| 20 | 21 | SLU_SISMA_DOWN | NonStatic | Min | -407.006 | 0.000 | 0.000 | 0.0000 |
| 20 | 20 | SLU_SISMA_UP | NonStatic | Max | 465.735 | 0.000 | 0.000 | 0.0000 |
| 20 | 21 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 853.753 | 0.0000 |
| 20 | 20 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -720.875 | 0.0000 |
| 20 | 21 | SLU_SISMA_UP | NonStatic | Min | -428.808 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 21 | 21 | SLE | NonStatic | Max | 213.167 | 0.000 | 0.000 | 0.0000 |
| 21 | 22 | SLE | NonStatic | Max | 0.000 | 0.000 | 979.712 | 0.0000 |
| 21 | 21 | SLE | NonStatic | Min | 0.000 | 0.000 | -832.057 | 0.0000 |
| 21 | 22 | SLE | NonStatic | Min | -149.777 | 0.000 | 0.000 | 0.0000 |
| 21 | 21 | SLE_SISMA_DOWN | NonStatic | Max | 259.284 | 0.000 | 0.000 | 0.0000 |
| 21 | 22 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1063.193 | 0.0000 |
| 21 | 21 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -909.433 | 0.0000 |
| 21 | 22 | SLE_SISMA_DOWN | NonStatic | Min | -206.348 | 0.000 | 0.000 | 0.0000 |
| 21 | 21 | SLE_SISMA_UP | NonStatic | Max | 267.202 | 0.000 | 0.000 | 0.0000 |
| 21 | 22 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 987.046 | 0.0000 |
| 21 | 21 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -845.496 | 0.0000 |
| 21 | 22 | SLE_SISMA_UP | NonStatic | Min | -214.266 | 0.000 | 0.000 | 0.0000 |
| 21 | 21 | SLU_SISMA_DOWN | NonStatic | Max | 407.006 | 0.000 | 0.000 | 0.0000 |
| 21 | 22 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1175.742 | 0.0000 |
| 21 | 21 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1013.367 | 0.0000 |
| 21 | 22 | SLU_SISMA_DOWN | NonStatic | Min | -357.016 | 0.000 | 0.000 | 0.0000 |
| 21 | 21 | SLU_SISMA_UP | NonStatic | Max | 428.808 | 0.000 | 0.000 | 0.0000 |
| 21 | 22 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 986.689 | 0.0000 |
| 21 | 21 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -853.753 | 0.0000 |
| 21 | 22 | SLU_SISMA_UP | NonStatic | Min | -378.818 | 0.000 | 0.000 | 0.0000 |
| 22 | 22 | SLE | NonStatic | Max | 149.781 | 0.000 | 0.000 | 0.0000 |
| 22 | 23 | SLE | NonStatic | Max | 0.000 | 0.000 | 1107.276 | 0.0000 |
| 22 | 22 | SLE | NonStatic | Min | 0.000 | 0.000 | -979.710 | 0.0000 |
| 22 | 23 | SLE | NonStatic | Min | -72.551 | 0.000 | 0.000 | 0.0000 |
| 22 | 22 | SLE_SISMA_DOWN | NonStatic | Max | 206.348 | 0.000 | 0.000 | 0.0000 |
| 22 | 23 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1196.121 | 0.0000 |
| 22 | 22 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1063.193 | 0.0000 |
| 22 | 23 | SLE_SISMA_DOWN | NonStatic | Min | -140.447 | 0.000 | 0.000 | 0.0000 |
| 22 | 22 | SLE_SISMA_UP | NonStatic | Max | 214.266 | 0.000 | 0.000 | 0.0000 |
| 22 | 23 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1109.250 | 0.0000 |
| 22 | 22 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -987.046 | 0.0000 |
| 22 | 23 | SLE_SISMA_UP | NonStatic | Min | -148.365 | 0.000 | 0.000 | 0.0000 |
| 22 | 22 | SLU_SISMA_DOWN | NonStatic | Max | 353.494 | 0.000 | 0.000 | 0.0000 |
| 22 | 23 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1317.671 | 0.0000 |
| 22 | 22 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1177.201 | 0.0000 |
| 22 | 23 | SLU_SISMA_DOWN | NonStatic | Min | -289.085 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 22 | 22 | SLU_SISMA_UP | NonStatic | Max | 368.044 | 0.000 | 0.000 | 0.0000 |
| 22 | 23 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1105.813 | 0.0000 |
| 22 | 22 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -991.151 | 0.0000 |
| 22 | 23 | SLU_SISMA_UP | NonStatic | Min | -303.634 | 0.000 | 0.000 | 0.0000 |
| 23 | 23 | SLE | NonStatic | Max | 72.554 | 0.000 | 0.000 | 0.0000 |
| 23 | 24 | SLE | NonStatic | Max | 18.362 | 0.000 | 1198.702 | 0.0000 |
| 23 | 23 | SLE | NonStatic | Min | 0.000 | 0.000 | -1107.275 | 0.0000 |
| 23 | 24 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 23 | 23 | SLE_SISMA_DOWN | NonStatic | Max | 140.447 | 0.000 | 0.000 | 0.0000 |
| 23 | 24 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1291.452 | 0.0000 |
| 23 | 23 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1196.121 | 0.0000 |
| 23 | 24 | SLE_SISMA_DOWN | NonStatic | Min | -61.454 | 0.000 | 0.000 | 0.0000 |
| 23 | 23 | SLE_SISMA_UP | NonStatic | Max | 148.305 | 0.000 | 0.000 | 0.0000 |
| 23 | 24 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1196.787 | 0.0000 |
| 23 | 23 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1109.264 | 0.0000 |
| 23 | 24 | SLE_SISMA_UP | NonStatic | Min | -69.313 | 0.000 | 0.000 | 0.0000 |
| 23 | 23 | SLU_SISMA_DOWN | NonStatic | Max | 260.643 | 0.000 | 0.000 | 0.0000 |
| 23 | 24 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1425.492 | 0.0000 |
| 23 | 23 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1324.686 | 0.0000 |
| 23 | 24 | SLU_SISMA_DOWN | NonStatic | Min | -181.303 | 0.000 | 0.000 | 0.0000 |
| 23 | 23 | SLU_SISMA_UP | NonStatic | Max | 265.047 | 0.000 | 0.000 | 0.0000 |
| 23 | 24 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1198.518 | 0.0000 |
| 23 | 23 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1116.471 | 0.0000 |
| 23 | 24 | SLU_SISMA_UP | NonStatic | Min | -185.707 | 0.000 | 0.000 | 0.0000 |
| 24 | 24 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 24 | 25 | SLE | NonStatic | Max | 121.824 | 0.000 | 1252.230 | 0.0000 |
| 24 | 24 | SLE | NonStatic | Min | -18.361 | 0.000 | -1198.702 | 0.0000 |
| 24 | 25 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 24 | 24 | SLE_SISMA_DOWN | NonStatic | Max | 41.853 | 0.000 | 0.000 | 0.0000 |
| 24 | 25 | SLE_SISMA_DOWN | NonStatic | Max | 49.386 | 0.000 | 1349.067 | 0.0000 |
| 24 | 24 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1292.995 | 0.0000 |
| 24 | 25 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 24 | 24 | SLE_SISMA_UP | NonStatic | Max | 49.284 | 0.000 | 0.000 | 0.0000 |
| 24 | 25 | SLE_SISMA_UP | NonStatic | Max | 41.955 | 0.000 | 1249.347 | 0.0000 |
| 24 | 24 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1198.363 | 0.0000 |
| 24 | 25 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 24 | 24 | SLU_SISMA_DOWN | NonStatic | Max | 105.546 | 0.000 | 0.000 | 0.0000 |
| 24 | 25 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1494.972 | 0.0000 |
| 24 | 24 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1435.401 | 0.0000 |
| 24 | 25 | SLU_SISMA_DOWN | NonStatic | Min | -11.911 | 0.000 | 0.000 | 0.0000 |
| 24 | 24 | SLU_SISMA_UP | NonStatic | Max | 108.152 | 0.000 | 0.000 | 0.0000 |
| 24 | 25 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1256.535 | 0.0000 |
| 24 | 24 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1209.050 | 0.0000 |
| 24 | 25 | SLU_SISMA_UP | NonStatic | Min | -14.516 | 0.000 | 0.000 | 0.0000 |
| 25 | 25 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 26 | SLE | NonStatic | Max | 214.457 | 0.000 | 1278.303 | 0.0000 |
| 25 | 25 | SLE | NonStatic | Min | -127.826 | 0.000 | -1252.230 | 0.0000 |
| 25 | 26 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 25 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 26 | SLE_SISMA_DOWN | NonStatic | Max | 167.383 | 0.000 | 1378.035 | 0.0000 |
| 25 | 25 | SLE_SISMA_DOWN | NonStatic | Min | -90.151 | 0.000 | -1350.502 | 0.0000 |
| 25 | 26 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 25 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 26 | SLE_SISMA_UP | NonStatic | Max | 159.985 | 0.000 | 1275.426 | 0.0000 |
| 25 | 25 | SLE_SISMA_UP | NonStatic | Min | -82.753 | 0.000 | -1250.814 | 0.0000 |
| 25 | 26 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 25 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 26 | SLU_SISMA_DOWN | NonStatic | Max | 162.543 | 0.000 | 1528.207 | 0.0000 |
| 25 | 25 | SLU_SISMA_DOWN | NonStatic | Min | -82.058 | 0.000 | -1498.719 | 0.0000 |
| 25 | 26 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 25 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 26 | SLU_SISMA_UP | NonStatic | Max | 156.210 | 0.000 | 1282.846 | 0.0000 |
| 25 | 25 | SLU_SISMA_UP | NonStatic | Min | -75.725 | 0.000 | -1260.189 | 0.0000 |
| 25 | 26 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 26 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 27 | SLE | NonStatic | Max | 318.774 | 0.000 | 1306.707 | 0.0000 |
| 26 | 26 | SLE | NonStatic | Min | -225.997 | 0.000 | -1278.303 | 0.0000 |
| 26 | 27 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 26 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 27 | SLE_SISMA_DOWN | NonStatic | Max | 293.160 | 0.000 | 1408.030 | 0.0000 |
| 26 | 26 | SLE_SISMA_DOWN | NonStatic | Min | -209.781 | 0.000 | -1378.035 | 0.0000 |
| 26 | 27 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 26 | 26 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 27 | SLE_SISMA_UP | NonStatic | Max | 285.126 | 0.000 | 1302.240 | 0.0000 |
| 26 | 26 | SLE_SISMA_UP | NonStatic | Min | -201.747 | 0.000 | -1275.426 | 0.0000 |
| 26 | 27 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 26 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 27 | SLU_SISMA_DOWN | NonStatic | Max | 337.818 | 0.000 | 1560.333 | 0.0000 |
| 26 | 26 | SLU_SISMA_DOWN | NonStatic | Min | -249.963 | 0.000 | -1528.207 | 0.0000 |
| 26 | 27 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 26 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 27 | SLU_SISMA_UP | NonStatic | Max | 326.731 | 0.000 | 1307.530 | 0.0000 |
| 26 | 26 | SLU_SISMA_UP | NonStatic | Min | -238.876 | 0.000 | -1282.846 | 0.0000 |
| 26 | 27 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 27 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 28 | SLE | NonStatic | Max | 427.864 | 0.000 | 1339.987 | 0.0000 |
| 27 | 27 | SLE | NonStatic | Min | -329.013 | 0.000 | -1306.707 | 0.0000 |
| 27 | 28 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 27 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 28 | SLE_SISMA_DOWN | NonStatic | Max | 421.491 | 0.000 | 1443.173 | 0.0000 |
| 27 | 27 | SLE_SISMA_DOWN | NonStatic | Min | -332.037 | 0.000 | -1408.030 | 0.0000 |
| 27 | 28 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 27 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 28 | SLE_SISMA_UP | NonStatic | Max | 413.033 | 0.000 | 1333.656 | 0.0000 |
| 27 | 27 | SLE_SISMA_UP | NonStatic | Min | -323.580 | 0.000 | -1302.240 | 0.0000 |
| 27 | 28 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 27 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 28 | SLU_SISMA_DOWN | NonStatic | Max | 514.319 | 0.000 | 1597.972 | 0.0000 |
| 27 | 27 | SLU_SISMA_DOWN | NonStatic | Min | -419.181 | 0.000 | -1560.333 | 0.0000 |
| 27 | 28 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 27 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 28 | SLU_SISMA_UP | NonStatic | Max | 499.059 | 0.000 | 1336.450 | 0.0000 |
| 27 | 27 | SLU_SISMA_UP | NonStatic | Min | -403.921 | 0.000 | -1307.530 | 0.0000 |
| 27 | 28 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 28 | SLE | NonStatic | Max | 1460.249 | 0.000 | 0.000 | 0.0000 |
| 28 | 29 | SLE | NonStatic | Max | 0.000 | 0.000 | 339.850 | 0.0000 |
| 28 | 28 | SLE | NonStatic | Min | 0.000 | 0.000 | -288.762 | 0.0000 |
| 28 | 29 | SLE | NonStatic | Min | -1332.936 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 28 | 28 | SLE_SISMA_DOWN | NonStatic | Max | 1452.790 | 0.000 | 0.000 | 0.0000 |
| 28 | 29 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 438.667 | 0.0000 |
| 28 | 28 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -384.718 | 0.0000 |
| 28 | 29 | SLE_SISMA_DOWN | NonStatic | Min | -1336.803 | 0.000 | 0.000 | 0.0000 |
| 28 | 28 | SLE_SISMA_UP | NonStatic | Max | 1304.856 | 0.000 | 0.000 | 0.0000 |
| 28 | 29 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 409.400 | 0.0000 |
| 28 | 28 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -361.173 | 0.0000 |
| 28 | 29 | SLE_SISMA_UP | NonStatic | Min | -1188.869 | 0.000 | 0.000 | 0.0000 |
| 28 | 28 | SLU_SISMA_DOWN | NonStatic | Max | 1377.058 | 0.000 | 0.000 | 0.0000 |
| 28 | 29 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 564.493 | 0.0000 |
| 28 | 28 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -506.712 | 0.0000 |
| 28 | 29 | SLU_SISMA_DOWN | NonStatic | Min | -1252.590 | 0.000 | 0.000 | 0.0000 |
| 28 | 28 | SLU_SISMA_UP | NonStatic | Max | 1034.219 | 0.000 | 0.000 | 0.0000 |
| 28 | 29 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 488.242 | 0.0000 |
| 28 | 28 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -443.846 | 0.0000 |
| 28 | 29 | SLU_SISMA_UP | NonStatic | Min | -909.750 | 0.000 | 0.000 | 0.0000 |
| 29 | 29 | SLE | NonStatic | Max | 1329.876 | 0.000 | 0.000 | 0.0000 |
| 29 | 30 | SLE | NonStatic | Max | 0.000 | 0.000 | 247.419 | 0.0000 |
| 29 | 29 | SLE | NonStatic | Min | 0.000 | 0.000 | -224.922 | 0.0000 |
| 29 | 30 | SLE | NonStatic | Min | -1329.876 | 0.000 | 0.000 | 0.0000 |
| 29 | 29 | SLE_SISMA_DOWN | NonStatic | Max | 1319.449 | 0.000 | 0.000 | 0.0000 |
| 29 | 30 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 333.767 | 0.0000 |
| 29 | 29 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -310.010 | 0.0000 |
| 29 | 30 | SLE_SISMA_DOWN | NonStatic | Min | -1319.449 | 0.000 | 0.000 | 0.0000 |
| 29 | 29 | SLE_SISMA_UP | NonStatic | Max | 1171.336 | 0.000 | 0.000 | 0.0000 |
| 29 | 30 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 312.344 | 0.0000 |
| 29 | 29 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -291.107 | 0.0000 |
| 29 | 30 | SLE_SISMA_UP | NonStatic | Min | -1171.336 | 0.000 | 0.000 | 0.0000 |
| 29 | 29 | SLU_SISMA_DOWN | NonStatic | Max | 1212.929 | 0.000 | 0.000 | 0.0000 |
| 29 | 30 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 443.527 | 0.0000 |
| 29 | 29 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -418.082 | 0.0000 |
| 29 | 30 | SLU_SISMA_DOWN | NonStatic | Min | -1212.929 | 0.000 | 0.000 | 0.0000 |
| 29 | 29 | SLU_SISMA_UP | NonStatic | Max | 871.481 | 0.000 | 0.000 | 0.0000 |
| 29 | 30 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 386.087 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 29 | 29 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -366.537 | 0.0000 |
| 29 | 30 | SLU_SISMA_UP | NonStatic | Min | -871.481 | 0.000 | 0.000 | 0.0000 |
| 30 | 30 | SLE | NonStatic | Max | 1329.876 | 0.000 | 0.000 | 0.0000 |
| 30 | 31 | SLE | NonStatic | Max | 0.000 | 0.000 | 43.929 | 0.0000 |
| 30 | 30 | SLE | NonStatic | Min | 0.000 | 0.000 | -21.432 | 0.0000 |
| 30 | 31 | SLE | NonStatic | Min | -1329.876 | 0.000 | 0.000 | 0.0000 |
| 30 | 30 | SLE_SISMA_DOWN | NonStatic | Max | 1319.449 | 0.000 | 0.000 | 0.0000 |
| 30 | 31 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 106.948 | 0.0000 |
| 30 | 30 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -83.191 | 0.0000 |
| 30 | 31 | SLE_SISMA_DOWN | NonStatic | Min | -1319.449 | 0.000 | 0.000 | 0.0000 |
| 30 | 30 | SLE_SISMA_UP | NonStatic | Max | 1171.336 | 0.000 | 0.000 | 0.0000 |
| 30 | 31 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 103.237 | 0.0000 |
| 30 | 30 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -82.000 | 0.0000 |
| 30 | 31 | SLE_SISMA_UP | NonStatic | Min | -1171.336 | 0.000 | 0.000 | 0.0000 |
| 30 | 30 | SLU_SISMA_DOWN | NonStatic | Max | 1212.929 | 0.000 | 0.000 | 0.0000 |
| 30 | 31 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 186.078 | 0.0000 |
| 30 | 30 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -160.634 | 0.0000 |
| 30 | 31 | SLU_SISMA_DOWN | NonStatic | Min | -1212.929 | 0.000 | 0.000 | 0.0000 |
| 30 | 30 | SLU_SISMA_UP | NonStatic | Max | 871.481 | 0.000 | 0.000 | 0.0000 |
| 30 | 31 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 170.889 | 0.0000 |
| 30 | 30 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -151.339 | 0.0000 |
| 30 | 31 | SLU_SISMA_UP | NonStatic | Min | -871.481 | 0.000 | 0.000 | 0.0000 |
| 31 | 31 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 32 | SLE | NonStatic | Max | 607.399 | 0.000 | 963.442 | 0.0000 |
| 31 | 31 | SLE | NonStatic | Min | -607.399 | 0.000 | -940.871 | 0.0000 |
| 31 | 32 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 31 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 32 | SLE_SISMA_DOWN | NonStatic | Max | 639.148 | 0.000 | 1012.580 | 0.0000 |
| 31 | 31 | SLE_SISMA_DOWN | NonStatic | Min | -639.148 | 0.000 | -988.744 | 0.0000 |
| 31 | 32 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 31 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 32 | SLE_SISMA_UP | NonStatic | Max | 627.235 | 0.000 | 932.711 | 0.0000 |
| 31 | 31 | SLE_SISMA_UP | NonStatic | Min | -627.235 | 0.000 | -911.403 | 0.0000 |
| 31 | 32 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 31 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 32 | SLU_SISMA_DOWN | NonStatic | Max | 815.433 | 0.000 | 1095.063 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 31 | 31 | SLU_SISMA_DOWN | NonStatic | Min | -815.433 | 0.000 | -1069.535 | 0.0000 |
| 31 | 32 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 31 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 32 | SLU_SISMA_UP | NonStatic | Max | 786.462 | 0.000 | 905.488 | 0.0000 |
| 31 | 31 | SLU_SISMA_UP | NonStatic | Min | -786.462 | 0.000 | -885.873 | 0.0000 |
| 31 | 32 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 32 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 33 | SLE | NonStatic | Max | 679.297 | 0.000 | 795.436 | 0.0000 |
| 32 | 32 | SLE | NonStatic | Min | -679.297 | 0.000 | -772.865 | 0.0000 |
| 32 | 33 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 32 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 33 | SLE_SISMA_DOWN | NonStatic | Max | 720.901 | 0.000 | 819.821 | 0.0000 |
| 32 | 32 | SLE_SISMA_DOWN | NonStatic | Min | -720.901 | 0.000 | -795.985 | 0.0000 |
| 32 | 33 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 32 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 33 | SLE_SISMA_UP | NonStatic | Max | 702.776 | 0.000 | 753.894 | 0.0000 |
| 32 | 32 | SLE_SISMA_UP | NonStatic | Min | -702.776 | 0.000 | -732.586 | 0.0000 |
| 32 | 33 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 32 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 33 | SLU_SISMA_DOWN | NonStatic | Max | 911.440 | 0.000 | 866.384 | 0.0000 |
| 32 | 32 | SLU_SISMA_DOWN | NonStatic | Min | -911.440 | 0.000 | -840.856 | 0.0000 |
| 32 | 33 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 32 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 33 | SLU_SISMA_UP | NonStatic | Max | 867.272 | 0.000 | 711.173 | 0.0000 |
| 32 | 32 | SLU_SISMA_UP | NonStatic | Min | -867.272 | 0.000 | -691.558 | 0.0000 |
| 32 | 33 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 33 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 34 | SLE | NonStatic | Max | 736.974 | 0.000 | 623.737 | 0.0000 |
| 33 | 33 | SLE | NonStatic | Min | -736.974 | 0.000 | -601.166 | 0.0000 |
| 33 | 34 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 33 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 34 | SLE_SISMA_DOWN | NonStatic | Max | 785.420 | 0.000 | 626.466 | 0.0000 |
| 33 | 33 | SLE_SISMA_DOWN | NonStatic | Min | -785.420 | 0.000 | -602.631 | 0.0000 |
| 33 | 34 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 33 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 34 | SLE_SISMA_UP | NonStatic | Max | 762.341 | 0.000 | 574.703 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 33 | 33 | SLE_SISMA_UP | NonStatic | Min | -762.341 | 0.000 | -553.396 | 0.0000 |
| 33 | 34 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 33 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 34 | SLU_SISMA_DOWN | NonStatic | Max | 986.032 | 0.000 | 640.996 | 0.0000 |
| 33 | 33 | SLU_SISMA_DOWN | NonStatic | Min | -986.032 | 0.000 | -615.467 | 0.0000 |
| 33 | 34 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 33 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 34 | SLU_SISMA_UP | NonStatic | Max | 929.819 | 0.000 | 520.434 | 0.0000 |
| 33 | 33 | SLU_SISMA_UP | NonStatic | Min | -929.819 | 0.000 | -500.819 | 0.0000 |
| 33 | 34 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 34 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 35 | SLE | NonStatic | Max | 780.174 | 0.000 | 449.849 | 0.0000 |
| 34 | 34 | SLE | NonStatic | Min | -780.174 | 0.000 | -427.277 | 0.0000 |
| 34 | 35 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 34 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 35 | SLE_SISMA_DOWN | NonStatic | Max | 832.970 | 0.000 | 434.226 | 0.0000 |
| 34 | 34 | SLE_SISMA_DOWN | NonStatic | Min | -832.970 | 0.000 | -410.390 | 0.0000 |
| 34 | 35 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 34 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 35 | SLE_SISMA_UP | NonStatic | Max | 806.198 | 0.000 | 396.734 | 0.0000 |
| 34 | 34 | SLE_SISMA_UP | NonStatic | Min | -806.198 | 0.000 | -375.426 | 0.0000 |
| 34 | 35 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 34 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 35 | SLU_SISMA_DOWN | NonStatic | Max | 1040.118 | 0.000 | 420.982 | 0.0000 |
| 34 | 34 | SLU_SISMA_DOWN | NonStatic | Min | -1040.118 | 0.000 | -395.454 | 0.0000 |
| 34 | 35 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 34 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 35 | SLU_SISMA_UP | NonStatic | Max | 974.982 | 0.000 | 335.082 | 0.0000 |
| 34 | 34 | SLU_SISMA_UP | NonStatic | Min | -974.982 | 0.000 | -315.467 | 0.0000 |
| 34 | 35 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 35 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 36 | SLE | NonStatic | Max | 808.893 | 0.000 | 274.782 | 0.0000 |
| 35 | 35 | SLE | NonStatic | Min | -808.893 | 0.000 | -252.211 | 0.0000 |
| 35 | 36 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 35 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 36 | SLE_SISMA_DOWN | NonStatic | Max | 864.073 | 0.000 | 244.249 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 35 | 35 | SLE_SISMA_DOWN | NonStatic | Min | -864.073 | 0.000 | -220.414 | 0.0000 |
| 35 | 36 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 35 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 36 | SLE_SISMA_UP | NonStatic | Max | 834.854 | 0.000 | 221.077 | 0.0000 |
| 35 | 35 | SLE_SISMA_UP | NonStatic | Min | -834.854 | 0.000 | -199.770 | 0.0000 |
| 35 | 36 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 35 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 36 | SLU_SISMA_DOWN | NonStatic | Max | 1074.892 | 0.000 | 207.819 | 0.0000 |
| 35 | 35 | SLU_SISMA_DOWN | NonStatic | Min | -1074.892 | 0.000 | -182.291 | 0.0000 |
| 35 | 36 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 35 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 36 | SLU_SISMA_UP | NonStatic | Max | 1003.878 | 0.000 | 156.448 | 0.0000 |
| 35 | 35 | SLU_SISMA_UP | NonStatic | Min | -1003.878 | 0.000 | -136.834 | 0.0000 |
| 35 | 36 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 37 | SLE | NonStatic | Max | 823.217 | 0.000 | 99.169 | 0.0000 |
| 36 | 36 | SLE | NonStatic | Min | -823.217 | 0.000 | -76.598 | 0.0000 |
| 36 | 37 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 37 | SLE_SISMA_DOWN | NonStatic | Max | 879.344 | 0.000 | 57.262 | 0.0000 |
| 36 | 36 | SLE_SISMA_DOWN | NonStatic | Min | -879.344 | 0.000 | -33.426 | 0.0000 |
| 36 | 37 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 37 | SLE_SISMA_UP | NonStatic | Max | 848.906 | 0.000 | 48.440 | 0.0000 |
| 36 | 36 | SLE_SISMA_UP | NonStatic | Min | -848.906 | 0.000 | -27.133 | 0.0000 |
| 36 | 37 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 23.012 | 0.0000 |
| 36 | 37 | SLU_SISMA_DOWN | NonStatic | Max | 1091.663 | 0.000 | 2.516 | 0.0000 |
| 36 | 36 | SLU_SISMA_DOWN | NonStatic | Min | -1091.663 | 0.000 | 0.000 | 0.0000 |
| 36 | 37 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 34.109 | 0.0000 |
| 36 | 37 | SLU_SISMA_UP | NonStatic | Max | 1017.737 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLU_SISMA_UP | NonStatic | Min | -1017.737 | 0.000 | 0.000 | 0.0000 |
| 36 | 37 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -14.495 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 37 | 37 | SLE | NonStatic | Max | 0.000 | 0.000 | 99.169 | 0.0000 |
| 37 | 38 | SLE | NonStatic | Max | 823.217 | 0.000 | 0.000 | 0.0000 |
| 37 | 37 | SLE | NonStatic | Min | -823.217 | 0.000 | 0.000 | 0.0000 |
| 37 | 38 | SLE | NonStatic | Min | 0.000 | 0.000 | -76.598 | 0.0000 |
| 37 | 37 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 150.119 | 0.0000 |
| 37 | 38 | SLE_SISMA_DOWN | NonStatic | Max | 879.377 | 0.000 | 0.000 | 0.0000 |
| 37 | 37 | SLE_SISMA_DOWN | NonStatic | Min | -879.377 | 0.000 | 0.000 | 0.0000 |
| 37 | 38 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -126.284 | 0.0000 |
| 37 | 37 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 142.022 | 0.0000 |
| 37 | 38 | SLE_SISMA_UP | NonStatic | Max | 848.941 | 0.000 | 0.000 | 0.0000 |
| 37 | 37 | SLE_SISMA_UP | NonStatic | Min | -848.941 | 0.000 | 0.000 | 0.0000 |
| 37 | 38 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -120.714 | 0.0000 |
| 37 | 37 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 219.742 | 0.0000 |
| 37 | 38 | SLU_SISMA_DOWN | NonStatic | Max | 1091.750 | 0.000 | 0.000 | 0.0000 |
| 37 | 37 | SLU_SISMA_DOWN | NonStatic | Min | -1091.750 | 0.000 | 0.000 | 0.0000 |
| 37 | 38 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -194.214 | 0.0000 |
| 37 | 37 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 196.628 | 0.0000 |
| 37 | 38 | SLU_SISMA_UP | NonStatic | Max | 1017.823 | 0.000 | 0.000 | 0.0000 |
| 37 | 37 | SLU_SISMA_UP | NonStatic | Min | -1017.823 | 0.000 | 0.000 | 0.0000 |
| 37 | 38 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -177.013 | 0.0000 |
| 38 | 38 | SLE | NonStatic | Max | 0.000 | 0.000 | 274.782 | 0.0000 |
| 38 | 39 | SLE | NonStatic | Max | 808.893 | 0.000 | 0.000 | 0.0000 |
| 38 | 38 | SLE | NonStatic | Min | -808.893 | 0.000 | 0.000 | 0.0000 |
| 38 | 39 | SLE | NonStatic | Min | 0.000 | 0.000 | -252.211 | 0.0000 |
| 38 | 38 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 329.871 | 0.0000 |
| 38 | 39 | SLE_SISMA_DOWN | NonStatic | Max | 864.696 | 0.000 | 0.000 | 0.0000 |
| 38 | 38 | SLE_SISMA_DOWN | NonStatic | Min | -864.696 | 0.000 | 0.000 | 0.0000 |
| 38 | 39 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -306.036 | 0.0000 |
| 38 | 38 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 307.324 | 0.0000 |
| 38 | 39 | SLE_SISMA_UP | NonStatic | Max | 835.489 | 0.000 | 0.000 | 0.0000 |
| 38 | 38 | SLE_SISMA_UP | NonStatic | Min | -835.489 | 0.000 | 0.000 | 0.0000 |
| 38 | 39 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -286.017 | 0.0000 |
| 38 | 38 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 407.317 | 0.0000 |
| 38 | 39 | SLU_SISMA_DOWN | NonStatic | Max | 1076.436 | 0.000 | 0.000 | 0.0000 |
| 38 | 38 | SLU_SISMA_DOWN | NonStatic | Min | -1076.436 | 0.000 | 0.000 | 0.0000 |
| 38 | 39 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -381.788 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 38 | 38 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 350.094 | 0.0000 |
| 38 | 39 | SLU_SISMA_UP | NonStatic | Max | 1005.400 | 0.000 | 0.000 | 0.0000 |
| 38 | 38 | SLU_SISMA_UP | NonStatic | Min | -1005.400 | 0.000 | 0.000 | 0.0000 |
| 38 | 39 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -330.480 | 0.0000 |
| 39 | 39 | SLE | NonStatic | Max | 0.000 | 0.000 | 449.849 | 0.0000 |
| 39 | 40 | SLE | NonStatic | Max | 780.174 | 0.000 | 0.000 | 0.0000 |
| 39 | 39 | SLE | NonStatic | Min | -780.174 | 0.000 | 0.000 | 0.0000 |
| 39 | 40 | SLE | NonStatic | Min | 0.000 | 0.000 | -427.277 | 0.0000 |
| 39 | 39 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 505.411 | 0.0000 |
| 39 | 40 | SLE_SISMA_DOWN | NonStatic | Max | 835.760 | 0.000 | 0.000 | 0.0000 |
| 39 | 39 | SLE_SISMA_DOWN | NonStatic | Min | -835.760 | 0.000 | 0.000 | 0.0000 |
| 39 | 40 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -481.576 | 0.0000 |
| 39 | 39 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 468.349 | 0.0000 |
| 39 | 40 | SLE_SISMA_UP | NonStatic | Max | 809.030 | 0.000 | 0.000 | 0.0000 |
| 39 | 39 | SLE_SISMA_UP | NonStatic | Min | -809.030 | 0.000 | 0.000 | 0.0000 |
| 39 | 40 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -447.042 | 0.0000 |
| 39 | 39 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 585.121 | 0.0000 |
| 39 | 40 | SLU_SISMA_DOWN | NonStatic | Max | 1046.980 | 0.000 | 0.000 | 0.0000 |
| 39 | 39 | SLU_SISMA_DOWN | NonStatic | Min | -1046.980 | 0.000 | 0.000 | 0.0000 |
| 39 | 40 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -559.593 | 0.0000 |
| 39 | 39 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 493.875 | 0.0000 |
| 39 | 40 | SLU_SISMA_UP | NonStatic | Max | 981.746 | 0.000 | 0.000 | 0.0000 |
| 39 | 39 | SLU_SISMA_UP | NonStatic | Min | -981.746 | 0.000 | 0.000 | 0.0000 |
| 39 | 40 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -474.260 | 0.0000 |
| 40 | 40 | SLE | NonStatic | Max | 0.000 | 0.000 | 623.737 | 0.0000 |
| 40 | 41 | SLE | NonStatic | Max | 736.974 | 0.000 | 0.000 | 0.0000 |
| 40 | 40 | SLE | NonStatic | Min | -736.974 | 0.000 | 0.000 | 0.0000 |
| 40 | 41 | SLE | NonStatic | Min | 0.000 | 0.000 | -601.166 | 0.0000 |
| 40 | 40 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 676.099 | 0.0000 |
| 40 | 41 | SLE_SISMA_DOWN | NonStatic | Max | 793.021 | 0.000 | 0.000 | 0.0000 |
| 40 | 40 | SLE_SISMA_DOWN | NonStatic | Min | -793.021 | 0.000 | 0.000 | 0.0000 |
| 40 | 41 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -652.263 | 0.0000 |
| 40 | 40 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 624.474 | 0.0000 |
| 40 | 41 | SLE_SISMA_UP | NonStatic | Max | 770.051 | 0.000 | 0.000 | 0.0000 |
| 40 | 40 | SLE_SISMA_UP | NonStatic | Min | -770.051 | 0.000 | 0.000 | 0.0000 |
| 40 | 41 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -603.167 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 40 | 40 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 752.373 | 0.0000 |
| 40 | 41 | SLU_SISMA_DOWN | NonStatic | Max | 1004.682 | 0.000 | 0.000 | 0.0000 |
| 40 | 40 | SLU_SISMA_DOWN | NonStatic | Min | -1004.682 | 0.000 | 0.000 | 0.0000 |
| 40 | 41 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -726.845 | 0.0000 |
| 40 | 40 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 627.231 | 0.0000 |
| 40 | 41 | SLU_SISMA_UP | NonStatic | Max | 948.201 | 0.000 | 0.000 | 0.0000 |
| 40 | 40 | SLU_SISMA_UP | NonStatic | Min | -948.201 | 0.000 | 0.000 | 0.0000 |
| 40 | 41 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -607.616 | 0.0000 |
| 41 | 41 | SLE | NonStatic | Max | 0.000 | 0.000 | 795.436 | 0.0000 |
| 41 | 42 | SLE | NonStatic | Max | 679.297 | 0.000 | 0.000 | 0.0000 |
| 41 | 41 | SLE | NonStatic | Min | -679.297 | 0.000 | 0.000 | 0.0000 |
| 41 | 42 | SLE | NonStatic | Min | 0.000 | 0.000 | -772.865 | 0.0000 |
| 41 | 41 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 840.937 | 0.0000 |
| 41 | 42 | SLE_SISMA_DOWN | NonStatic | Max | 737.043 | 0.000 | 0.000 | 0.0000 |
| 41 | 41 | SLE_SISMA_DOWN | NonStatic | Min | -737.043 | 0.000 | 0.000 | 0.0000 |
| 41 | 42 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -817.102 | 0.0000 |
| 41 | 41 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 774.768 | 0.0000 |
| 41 | 42 | SLE_SISMA_UP | NonStatic | Max | 719.144 | 0.000 | 0.000 | 0.0000 |
| 41 | 41 | SLE_SISMA_UP | NonStatic | Min | -719.144 | 0.000 | 0.000 | 0.0000 |
| 41 | 42 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -753.460 | 0.0000 |
| 41 | 41 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 908.014 | 0.0000 |
| 41 | 42 | SLU_SISMA_DOWN | NonStatic | Max | 950.993 | 0.000 | 0.000 | 0.0000 |
| 41 | 41 | SLU_SISMA_DOWN | NonStatic | Min | -950.993 | 0.000 | 0.000 | 0.0000 |
| 41 | 42 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -882.486 | 0.0000 |
| 41 | 41 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 749.250 | 0.0000 |
| 41 | 42 | SLU_SISMA_UP | NonStatic | Max | 906.248 | 0.000 | 0.000 | 0.0000 |
| 41 | 41 | SLU_SISMA_UP | NonStatic | Min | -906.248 | 0.000 | 0.000 | 0.0000 |
| 41 | 42 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -729.636 | 0.0000 |
| 42 | 42 | SLE | NonStatic | Max | 0.000 | 0.000 | 963.442 | 0.0000 |
| 42 | 43 | SLE | NonStatic | Max | 607.399 | 0.000 | 0.000 | 0.0000 |
| 42 | 42 | SLE | NonStatic | Min | -607.399 | 0.000 | 0.000 | 0.0000 |
| 42 | 43 | SLE | NonStatic | Min | 0.000 | 0.000 | -940.871 | 0.0000 |
| 42 | 42 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 998.482 | 0.0000 |
| 42 | 43 | SLE_SISMA_DOWN | NonStatic | Max | 668.655 | 0.000 | 0.000 | 0.0000 |
| 42 | 42 | SLE_SISMA_DOWN | NonStatic | Min | -668.655 | 0.000 | 0.000 | 0.0000 |
| 42 | 43 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -974.647 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 42 | 42 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 917.904 | 0.0000 |
| 42 | 43 | SLE_SISMA_UP | NonStatic | Max | 657.148 | 0.000 | 0.000 | 0.0000 |
| 42 | 42 | SLE_SISMA_UP | NonStatic | Min | -657.148 | 0.000 | 0.000 | 0.0000 |
| 42 | 43 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -896.596 | 0.0000 |
| 42 | 42 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1050.647 | 0.0000 |
| 42 | 43 | SLU_SISMA_DOWN | NonStatic | Max | 887.658 | 0.000 | 0.000 | 0.0000 |
| 42 | 42 | SLU_SISMA_DOWN | NonStatic | Min | -887.658 | 0.000 | 0.000 | 0.0000 |
| 42 | 43 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1025.119 | 0.0000 |
| 42 | 42 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 858.813 | 0.0000 |
| 42 | 43 | SLU_SISMA_UP | NonStatic | Max | 857.619 | 0.000 | 0.000 | 0.0000 |
| 42 | 42 | SLU_SISMA_UP | NonStatic | Min | -857.619 | 0.000 | 0.000 | 0.0000 |
| 42 | 43 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -839.198 | 0.0000 |
| 43 | 43 | SLE | NonStatic | Max | 1329.876 | 0.000 | 43.929 | 0.0000 |
| 43 | 44 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 43 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 44 | SLE | NonStatic | Min | -1329.876 | 0.000 | -21.432 | 0.0000 |
| 43 | 43 | SLE_SISMA_DOWN | NonStatic | Max | 1414.334 | 0.000 | 0.000 | 0.0000 |
| 43 | 44 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 38.896 | 0.0000 |
| 43 | 43 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -15.139 | 0.0000 |
| 43 | 44 | SLE_SISMA_DOWN | NonStatic | Min | -1414.334 | 0.000 | 0.000 | 0.0000 |
| 43 | 43 | SLE_SISMA_UP | NonStatic | Max | 1265.622 | 0.000 | 0.000 | 0.0000 |
| 43 | 44 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 40.815 | 0.0000 |
| 43 | 43 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -19.578 | 0.0000 |
| 43 | 44 | SLE_SISMA_UP | NonStatic | Min | -1265.622 | 0.000 | 0.000 | 0.0000 |
| 43 | 43 | SLU_SISMA_DOWN | NonStatic | Max | 1399.398 | 0.000 | 0.000 | 0.0000 |
| 43 | 44 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 119.760 | 0.0000 |
| 43 | 43 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -94.316 | 0.0000 |
| 43 | 44 | SLU_SISMA_DOWN | NonStatic | Min | -1399.398 | 0.000 | 0.000 | 0.0000 |
| 43 | 43 | SLU_SISMA_UP | NonStatic | Max | 1040.674 | 0.000 | 0.000 | 0.0000 |
| 43 | 44 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 119.483 | 0.0000 |
| 43 | 43 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -99.933 | 0.0000 |
| 43 | 44 | SLU_SISMA_UP | NonStatic | Min | -1040.674 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLE | NonStatic | Max | 1329.876 | 0.000 | 247.419 | 0.0000 |
| 44 | 1 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 1 | SLE | NonStatic | Min | -1329.876 | 0.000 | -224.922 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 44 | 44 | SLE_SISMA_DOWN | NonStatic | Max | 1414.334 | 0.000 | 182.177 | 0.0000 |
| 44 | 1 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 1 | SLE_SISMA_DOWN | NonStatic | Min | -1414.334 | 0.000 | -158.420 | 0.0000 |
| 44 | 44 | SLE_SISMA_UP | NonStatic | Max | 1265.622 | 0.000 | 160.422 | 0.0000 |
| 44 | 1 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 1 | SLE_SISMA_UP | NonStatic | Min | -1265.622 | 0.000 | -139.185 | 0.0000 |
| 44 | 44 | SLU_SISMA_DOWN | NonStatic | Max | 1399.398 | 0.000 | 95.776 | 0.0000 |
| 44 | 1 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 1 | SLU_SISMA_DOWN | NonStatic | Min | -1399.398 | 0.000 | -70.332 | 0.0000 |
| 44 | 44 | SLU_SISMA_UP | NonStatic | Max | 1040.674 | 0.000 | 49.098 | 0.0000 |
| 44 | 1 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 1 | SLU_SISMA_UP | NonStatic | Min | -1040.674 | 0.000 | -29.548 | 0.0000 |
| 45 | 2 | SLE | NonStatic | Max | 1897.240 | 0.000 | 0.000 | 0.0000 |
| 45 | 43 | SLE | NonStatic | Max | 0.000 | 0.000 | 1102.965 | 0.0000 |
| 45 | 2 | SLE | NonStatic | Min | 0.000 | 0.000 | -1051.225 | 0.0000 |
| 45 | 43 | SLE | NonStatic | Min | -1897.240 | 0.000 | 0.000 | 0.0000 |
| 45 | 2 | SLE_SISMA_DOWN | NonStatic | Max | 2045.491 | 0.000 | 0.000 | 0.0000 |
| 45 | 43 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1188.578 | 0.0000 |
| 45 | 2 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1133.941 | 0.0000 |
| 45 | 43 | SLE_SISMA_DOWN | NonStatic | Min | -2045.491 | 0.000 | 0.000 | 0.0000 |
| 45 | 2 | SLE_SISMA_UP | NonStatic | Max | 1888.860 | 0.000 | 0.000 | 0.0000 |
| 45 | 43 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1096.759 | 0.0000 |
| 45 | 2 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1047.917 | 0.0000 |
| 45 | 43 | SLE_SISMA_UP | NonStatic | Min | -1888.860 | 0.000 | 0.000 | 0.0000 |
| 45 | 2 | SLU_SISMA_DOWN | NonStatic | Max | 2253.278 | 0.000 | 0.000 | 0.0000 |
| 45 | 43 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1308.482 | 0.0000 |
| 45 | 2 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1249.965 | 0.0000 |
| 45 | 43 | SLU_SISMA_DOWN | NonStatic | Min | -2253.278 | 0.000 | 0.000 | 0.0000 |
| 45 | 2 | SLU_SISMA_UP | NonStatic | Max | 1872.752 | 0.000 | 0.000 | 0.0000 |
| 45 | 43 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1085.674 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 45 | 2 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1040.712 | 0.0000 |
| 45 | 43 | SLU_SISMA_UP | NonStatic | Min | -1872.752 | 0.000 | 0.000 | 0.0000 |
| 46 | 31 | SLE | NonStatic | Max | 1897.240 | 0.000 | 1102.965 | 0.0000 |
| 46 | 28 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 31 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 28 | SLE | NonStatic | Min | -1897.240 | 0.000 | -1051.225 | 0.0000 |
| 46 | 31 | SLE_SISMA_DOWN | NonStatic | Max | 1912.527 | 0.000 | 1113.092 | 0.0000 |
| 46 | 28 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 31 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 28 | SLE_SISMA_DOWN | NonStatic | Min | -1912.527 | 0.000 | -1058.455 | 0.0000 |
| 46 | 31 | SLE_SISMA_UP | NonStatic | Max | 1755.989 | 0.000 | 1021.326 | 0.0000 |
| 46 | 28 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 31 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 28 | SLE_SISMA_UP | NonStatic | Min | -1755.989 | 0.000 | -972.483 | 0.0000 |
| 46 | 31 | SLU_SISMA_DOWN | NonStatic | Max | 1973.728 | 0.000 | 1149.778 | 0.0000 |
| 46 | 28 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 31 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 28 | SLU_SISMA_DOWN | NonStatic | Min | -1973.728 | 0.000 | -1091.260 | 0.0000 |
| 46 | 31 | SLU_SISMA_UP | NonStatic | Max | 1611.868 | 0.000 | 937.565 | 0.0000 |
| 46 | 28 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 31 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 28 | SLU_SISMA_UP | NonStatic | Min | -1611.868 | 0.000 | -892.604 | 0.0000 |

## Table: Element Joint Forces - Frames, Part 2 of 2

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 1 | 1 | SLE | Max | 0.0000 | 0.0000 | 1-1 |
| 1 | 2 | SLE | Max | 2297.5128 | 0.0000 | 1-1 |
| 1 | 1 | SLE | Min | -870.5279 | 0.0000 | 1-1 |
| 1 | 2 | SLE | Min | 0.0000 | 0.0000 | 1-1 |
| 1 | 1 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 1-1 |
| 1 | 2 | SLE_SISMA_DOWN | Max | 2423.9484 | 0.0000 | 1-1 |
| 1 | 1 | SLE_SISMA_DOWN | Min | -908.0090 | 0.0000 | 1-1 |
| 1 | 2 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 |
| 1 | 1 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 1-1 |
| 1 | 2 | SLE_SISMA_UP | Max | 2190.4672 | 0.0000 | 1-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 1 | 1 | SLE_SISMA_UP | Min | -826.4763 | 0.0000 | 1-1 |
| 1 | 2 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 |
| 1 | 1 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 1-1 |
| 1 | 2 | SLU_SISMA_DOWN | Max | 2451.9511 | 0.0000 | 1-1 |
| 1 | 1 | SLU_SISMA_DOWN | Min | -929.7168 | 0.0000 | 1-1 |
| 1 | 2 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 |
| 1 | 1 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 1-1 |
| 1 | 2 | SLU_SISMA_UP | Max | 1889.7874 | 0.0000 | 1-1 |
| 1 | 1 | SLU_SISMA_UP | Min | -734.0837 | 0.0000 | 1-1 |
| 1 | 2 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 |
| 2 | 2 | SLE | Max | 0.0000 | 0.0000 | 2-1 |
| 2 | 3 | SLE | Max | 1976.6368 | 0.0000 | 2-1 |
| 2 | 2 | SLE | Min | -2297.5128 | 0.0000 | 2-1 |
| 2 | 3 | SLE | Min | 0.0000 | 0.0000 | 2-1 |
| 2 | 2 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 2-1 |
| 2 | 3 | SLE_SISMA_DOWN | Max | 2052.2354 | 0.0000 | 2-1 |
| 2 | 2 | SLE_SISMA_DOWN | Min | -2423.9484 | 0.0000 | 2-1 |
| 2 | 3 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 |
| 2 | 2 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 2-1 |
| 2 | 3 | SLE_SISMA_UP | Max | 1825.4683 | 0.0000 | 2-1 |
| 2 | 2 | SLE_SISMA_UP | Min | -2190.4672 | 0.0000 | 2-1 |
| 2 | 3 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 |
| 2 | 2 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 2-1 |
| 2 | 3 | SLU_SISMA_DOWN | Max | 1941.4380 | 0.0000 | 2-1 |
| 2 | 2 | SLU_SISMA_DOWN | Min | -2451.9511 | 0.0000 | 2-1 |
| 2 | 3 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 |
| 2 | 2 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 2-1 |
| 2 | 3 | SLU_SISMA_UP | Max | 1397.7599 | 0.0000 | 2-1 |
| 2 | 2 | SLU_SISMA_UP | Min | -1889.7874 | 0.0000 | 2-1 |
| 2 | 3 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 |
| 3 | 3 | SLE | Max | 0.0000 | 0.0000 | 3-1 |
| 3 | 4 | SLE | Max | 1745.6828 | 0.0000 | 3-1 |
| 3 | 3 | SLE | Min | -1976.6368 | 0.0000 | 3-1 |
| 3 | 4 | SLE | Min | 0.0000 | 0.0000 | 3-1 |
| 3 | 3 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 3-1 |
| 3 | 4 | SLE_SISMA_DOWN | Max | 1769.7312 | 0.0000 | 3-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 3 | 3 | SLE_SISMA_DOWN | Min | -2052.2354 | 0.0000 | 3-1 |
| 3 | 4 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 |
| 3 | 3 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 3-1 |
| 3 | 4 | SLE_SISMA_UP | Max | 1549.6781 | 0.0000 | 3-1 |
| 3 | 3 | SLE_SISMA_UP | Min | -1825.4683 | 0.0000 | 3-1 |
| 3 | 4 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 |
| 3 | 3 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 3-1 |
| 3 | 4 | SLU_SISMA_DOWN | Max | 1548.1613 | 0.0000 | 3-1 |
| 3 | 3 | SLU_SISMA_DOWN | Min | -1941.4380 | 0.0000 | 3-1 |
| 3 | 4 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 |
| 3 | 3 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 3-1 |
| 3 | 4 | SLU_SISMA_UP | Max | 1022.9688 | 0.0000 | 3-1 |
| 3 | 3 | SLU_SISMA_UP | Min | -1397.7599 | 0.0000 | 3-1 |
| 3 | 4 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 |
| 4 | 4 | SLE | Max | 0.0000 | 0.0000 | 4-1 |
| 4 | 5 | SLE | Max | 1600.5727 | 0.0000 | 4-1 |
| 4 | 4 | SLE | Min | -1745.6828 | 0.0000 | 4-1 |
| 4 | 5 | SLE | Min | 0.0000 | 0.0000 | 4-1 |
| 4 | 4 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 4-1 |
| 4 | 5 | SLE_SISMA_DOWN | Max | 1571.2547 | 0.0000 | 4-1 |
| 4 | 4 | SLE_SISMA_DOWN | Min | -1769.7312 | 0.0000 | 4-1 |
| 4 | 5 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 |
| 4 | 4 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 4-1 |
| 4 | 5 | SLE_SISMA_UP | Max | 1357.9156 | 0.0000 | 4-1 |
| 4 | 4 | SLE_SISMA_UP | Min | -1549.6781 | 0.0000 | 4-1 |
| 4 | 5 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 |
| 4 | 4 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 4-1 |
| 4 | 5 | SLU_SISMA_DOWN | Max | 1265.9090 | 0.0000 | 4-1 |
| 4 | 4 | SLU_SISMA_DOWN | Min | -1548.1613 | 0.0000 | 4-1 |
| 4 | 5 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 |
| 4 | 4 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 4-1 |
| 4 | 5 | SLU_SISMA_UP | Max | 759.2021 | 0.0000 | 4-1 |
| 4 | 4 | SLU_SISMA_UP | Min | -1022.9688 | 0.0000 | 4-1 |
| 4 | 5 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 5 | 5 | SLE | Max | 0.0000 | 0.0000 | 5-1 |
| 5 | 6 | SLE | Max | 1416.8851 | 0.0000 | 5-1 |
| 5 | 5 | SLE | Min | -1600.5727 | 0.0000 | 5-1 |
| 5 | 6 | SLE | Min | 0.0000 | 0.0000 | 5-1 |
| 5 | 5 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 |
| 5 | 6 | SLE_SISMA_DOWN | Max | 1323.1628 | 0.0000 | 5-1 |
| 5 | 5 | SLE_SISMA_DOWN | Min | -1571.2547 | 0.0000 | 5-1 |
| 5 | 6 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 5-1 |
| 5 | 5 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 |
| 5 | 6 | SLE_SISMA_UP | Max | 1127.0045 | 0.0000 | 5-1 |
| 5 | 5 | SLE_SISMA_UP | Min | -1357.9156 | 0.0000 | 5-1 |
| 5 | 6 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 5-1 |
| 5 | 5 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 |
| 5 | 6 | SLU_SISMA_DOWN | Max | 946.4960 | 0.0000 | 5-1 |
| 5 | 5 | SLU_SISMA_DOWN | Min | -1265.9090 | 0.0000 | 5-1 |
| 5 | 6 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 5-1 |
| 5 | 5 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 |
| 5 | 6 | SLU_SISMA_UP | Max | 483.9395 | 0.0000 | 5-1 |
| 5 | 5 | SLU_SISMA_UP | Min | -759.2021 | 0.0000 | 5-1 |
| 5 | 6 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 5-1 |
| 6 | 6 | SLE | Max | 0.0000 | 0.0000 | 6-1 |
| 6 | 7 | SLE | Max | 1148.0719 | 0.0000 | 6-1 |
| 6 | 6 | SLE | Min | -1416.8851 | 0.0000 | 6-1 |
| 6 | 7 | SLE | Min | 0.0000 | 0.0000 | 6-1 |
| 6 | 6 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 |
| 6 | 7 | SLE_SISMA_DOWN | Max | 1004.7567 | 0.0000 | 6-1 |
| 6 | 6 | SLE_SISMA_DOWN | Min | -1323.1628 | 0.0000 | 6-1 |
| 6 | 7 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 6-1 |
| 6 | 6 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 |
| 6 | 7 | SLE_SISMA_UP | Max | 840.6025 | 0.0000 | 6-1 |
| 6 | 6 | SLE_SISMA_UP | Min | -1127.0045 | 0.0000 | 6-1 |
| 6 | 7 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 6-1 |
| 6 | 6 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 |
| 6 | 7 | SLU_SISMA_DOWN | Max | 597.8890 | 0.0000 | 6-1 |
| 6 | 6 | SLU_SISMA_DOWN | Min | -946.4960 | 0.0000 | 6-1 |
| 6 | 7 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 6-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 6 | 6 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 |
| 6 | 7 | SLU_SISMA_UP | Max | 214.6623 | 0.0000 | 6-1 |
| 6 | 6 | SLU_SISMA_UP | Min | -483.9395 | 0.0000 | 6-1 |
| 6 | 7 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 6-1 |
| 7 | 7 | SLE | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 8 | SLE | Max | 819.3790 | 0.0000 | 7-1 |
| 7 | 7 | SLE | Min | -1148.0719 | 0.0000 | 7-1 |
| 7 | 8 | SLE | Min | 0.0000 | 0.0000 | 7-1 |
| 7 | 7 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 8 | SLE_SISMA_DOWN | Max | 642.7443 | 0.0000 | 7-1 |
| 7 | 7 | SLE_SISMA_DOWN | Min | -1004.7567 | 0.0000 | 7-1 |
| 7 | 8 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 7-1 |
| 7 | 7 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 8 | SLE_SISMA_UP | Max | 521.2860 | 0.0000 | 7-1 |
| 7 | 7 | SLE_SISMA_UP | Min | -840.6025 | 0.0000 | 7-1 |
| 7 | 8 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 7-1 |
| 7 | 7 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 8 | SLU_SISMA_DOWN | Max | 243.5284 | 0.0000 | 7-1 |
| 7 | 7 | SLU_SISMA_DOWN | Min | -597.8890 | 0.0000 | 7-1 |
| 7 | 8 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 7-1 |
| 7 | 7 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 8 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 7 | SLU_SISMA_UP | Min | -214.6623 | 0.0000 | 7-1 |
| 7 | 8 | SLU_SISMA_UP | Min | -35.1911 | 0.0000 | 7-1 |
| 8 | 8 | SLE | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 9 | SLE | Max | 467.2876 | 0.0000 | 8-1 |
| 8 | 8 | SLE | Min | -819.3790 | 0.0000 | 8-1 |
| 8 | 9 | SLE | Min | 0.0000 | 0.0000 | 8-1 |
| 8 | 8 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 9 | SLE_SISMA_DOWN | Max | 274.3845 | 0.0000 | 8-1 |
| 8 | 8 | SLE_SISMA_DOWN | Min | -642.7443 | 0.0000 | 8-1 |
| 8 | 9 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 8-1 |
| 8 | 8 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 9 | SLE_SISMA_UP | Max | 200.8882 | 0.0000 | 8-1 |
| 8 | 8 | SLE_SISMA_UP | Min | -521.2860 | 0.0000 | 8-1 |
| 8 | 9 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 8-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 8 | 8 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 9 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 8 | SLU_SISMA_DOWN | Min | -243.5284 | 0.0000 | 8-1 |
| 8 | 9 | SLU_SISMA_DOWN | Min | -84.5556 | 0.0000 | 8-1 |
| 8 | 8 | SLU_SISMA_UP | Max | 35.1911 | 0.0000 | 8-1 |
| 8 | 9 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 8 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 8-1 |
| 8 | 9 | SLU_SISMA_UP | Min | -246.7020 | 0.0000 | 8-1 |
| 9 | 9 | SLE | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 10 | SLE | Max | 123.4553 | 0.0000 | 9-1 |
| 9 | 9 | SLE | Min | -467.2876 | 0.0000 | 9-1 |
| 9 | 10 | SLE | Min | 0.0000 | 0.0000 | 9-1 |
| 9 | 9 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 10 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 9 | SLE_SISMA_DOWN | Min | -274.3845 | 0.0000 | 9-1 |
| 9 | 10 | SLE_SISMA_DOWN | Min | -69.2368 | 0.0000 | 9-1 |
| 9 | 9 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 10 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 9 | SLE_SISMA_UP | Min | -200.8882 | 0.0000 | 9-1 |
| 9 | 10 | SLE_SISMA_UP | Min | -94.3626 | 0.0000 | 9-1 |
| 9 | 9 | SLU_SISMA_DOWN | Max | 84.5556 | 0.0000 | 9-1 |
| 9 | 10 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 9 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 9-1 |
| 9 | 10 | SLU_SISMA_DOWN | Min | -362.6287 | 0.0000 | 9-1 |
| 9 | 9 | SLU_SISMA_UP | Max | 246.7020 | 0.0000 | 9-1 |
| 9 | 10 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 9 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 9-1 |
| 9 | 10 | SLU_SISMA_UP | Min | -407.9308 | 0.0000 | 9-1 |
| 10 | 10 | SLE | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 11 | SLE | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 10 | SLE | Min | -123.4553 | 0.0000 | 10-1 |
| 10 | 11 | SLE | Min | -189.9170 | 0.0000 | 10-1 |
| 10 | 10 | SLE_SISMA_DOWN | Max | 69.2368 | 0.0000 | 10-1 |
| 10 | 11 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 10 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 |
| 10 | 11 | SLE_SISMA_DOWN | Min | -367.7785 | 0.0000 | 10-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 10 | 10 | SLE_SISMA_UP | Max | 94.3626 | 0.0000 | 10-1 |
| 10 | 11 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 10 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 |
| 10 | 11 | SLE_SISMA_UP | Min | -347.8391 | 0.0000 | 10-1 |
| 10 | 10 | SLU_SISMA_DOWN | Max | 362.6287 | 0.0000 | 10-1 |
| 10 | 11 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 10 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 |
| 10 | 11 | SLU_SISMA_DOWN | Min | -579.1184 | 0.0000 | 10-1 |
| 10 | 10 | SLU_SISMA_UP | Max | 407.9308 | 0.0000 | 10-1 |
| 10 | 11 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 10 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 |
| 10 | 11 | SLU_SISMA_UP | Min | -516.3796 | 0.0000 | 10-1 |
| 11 | 11 | SLE | Max | 189.9170 | 0.0000 | 11-1 |
| 11 | 12 | SLE | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 11 | SLE | Min | 0.0000 | 0.0000 | 11-1 |
| 11 | 12 | SLE | Min | -454.9465 | 0.0000 | 11-1 |
| 11 | 11 | SLE_SISMA_DOWN | Max | 367.7785 | 0.0000 | 11-1 |
| 11 | 12 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 11 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 |
| 11 | 12 | SLE_SISMA_DOWN | Min | -605.8485 | 0.0000 | 11-1 |
| 11 | 11 | SLE_SISMA_UP | Max | 347.8391 | 0.0000 | 11-1 |
| 11 | 12 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 11 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 |
| 11 | 12 | SLE_SISMA_UP | Min | -547.2400 | 0.0000 | 11-1 |
| 11 | 11 | SLU_SISMA_DOWN | Max | 579.1184 | 0.0000 | 11-1 |
| 11 | 12 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 11 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 |
| 11 | 12 | SLU_SISMA_DOWN | Min | -727.4640 | 0.0000 | 11-1 |
| 11 | 11 | SLU_SISMA_UP | Max | 516.3796 | 0.0000 | 11-1 |
| 11 | 12 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 11 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 |
| 11 | 12 | SLU_SISMA_UP | Min | -573.0244 | 0.0000 | 11-1 |
| 12 | 12 | SLE | Max | 454.9465 | 0.0000 | 12-1 |
| 12 | 13 | SLE | Max | 0.0000 | 0.0000 | 12-1 |
| 12 | 12 | SLE | Min | 0.0000 | 0.0000 | 12-1 |
| 12 | 13 | SLE | Min | -655.8884 | 0.0000 | 12-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 12 | 12 | SLE_SISMA_DOWN | Max | 605.8485 | 0.0000 | 12-1 |
| 12 | 13 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 12-1 |
| 12 | 12 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 |
| 12 | 13 | SLE_SISMA_DOWN | Min | -770.3224 | 0.0000 | 12-1 |
| 12 | 12 | SLE_SISMA_UP | Max | 547.2400 | 0.0000 | 12-1 |
| 12 | 13 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 12-1 |
| 12 | 12 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 |
| 12 | 13 | SLE_SISMA_UP | Min | -682.1027 | 0.0000 | 12-1 |
| 12 | 12 | SLU_SISMA_DOWN | Max | 727.4640 | 0.0000 | 12-1 |
| 12 | 13 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 12-1 |
| 12 | 12 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 |
| 12 | 13 | SLU_SISMA_DOWN | Min | -802.4591 | 0.0000 | 12-1 |
| 12 | 12 | SLU_SISMA_UP | Max | 573.0244 | 0.0000 | 12-1 |
| 12 | 13 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 12-1 |
| 12 | 12 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 |
| 12 | 13 | SLU_SISMA_UP | Min | -579.0929 | 0.0000 | 12-1 |
| 13 | 13 | SLE | Max | 655.8884 | 0.0000 | 13-1 |
| 13 | 14 | SLE | Max | 0.0000 | 0.0000 | 13-1 |
| 13 | 13 | SLE | Min | 0.0000 | 0.0000 | 13-1 |
| 13 | 14 | SLE | Min | -781.0323 | 0.0000 | 13-1 |
| 13 | 13 | SLE_SISMA_DOWN | Max | 770.3224 | 0.0000 | 13-1 |
| 13 | 14 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 13-1 |
| 13 | 13 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 |
| 13 | 14 | SLE_SISMA_DOWN | Min | -851.9930 | 0.0000 | 13-1 |
| 13 | 13 | SLE_SISMA_UP | Max | 682.1027 | 0.0000 | 13-1 |
| 13 | 14 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 13-1 |
| 13 | 13 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 |
| 13 | 14 | SLE_SISMA_UP | Min | -745.2007 | 0.0000 | 13-1 |
| 13 | 13 | SLU_SISMA_DOWN | Max | 802.4591 | 0.0000 | 13-1 |
| 13 | 14 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 13-1 |
| 13 | 13 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 |
| 13 | 14 | SLU_SISMA_DOWN | Min | -801.4170 | 0.0000 | 13-1 |
| 13 | 13 | SLU_SISMA_UP | Max | 579.0929 | 0.0000 | 13-1 |
| 13 | 14 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 13-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 13 | 13 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 |
| 13 | 14 | SLU_SISMA_UP | Min | -536.6390 | 0.0000 | 13-1 |
| 14 | 14 | SLE | Max | 781.0323 | 0.0000 | 14-1 |
| 14 | 15 | SLE | Max | 0.0000 | 0.0000 | 14-1 |
| 14 | 14 | SLE | Min | 0.0000 | 0.0000 | 14-1 |
| 14 | 15 | SLE | Min | -823.4991 | 0.0000 | 14-1 |
| 14 | 14 | SLE_SISMA_DOWN | Max | 851.9930 | 0.0000 | 14-1 |
| 14 | 15 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 14-1 |
| 14 | 14 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 |
| 14 | 15 | SLE_SISMA_DOWN | Min | -846.1216 | 0.0000 | 14-1 |
| 14 | 14 | SLE_SISMA_UP | Max | 745.2007 | 0.0000 | 14-1 |
| 14 | 15 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 14-1 |
| 14 | 14 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 |
| 14 | 15 | SLE_SISMA_UP | Min | -732.9779 | 0.0000 | 14-1 |
| 14 | 14 | SLU_SISMA_DOWN | Max | 801.4170 | 0.0000 | 14-1 |
| 14 | 15 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 14-1 |
| 14 | 14 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 |
| 14 | 15 | SLU_SISMA_DOWN | Min | -724.3403 | 0.0000 | 14-1 |
| 14 | 14 | SLU_SISMA_UP | Max | 536.6390 | 0.0000 | 14-1 |
| 14 | 15 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 14-1 |
| 14 | 14 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 |
| 14 | 15 | SLU_SISMA_UP | Min | -448.4446 | 0.0000 | 14-1 |
| 15 | 15 | SLE | Max | 823.4991 | 0.0000 | 15-1 |
| 15 | 16 | SLE | Max | 0.0000 | 0.0000 | 15-1 |
| 15 | 15 | SLE | Min | 0.0000 | 0.0000 | 15-1 |
| 15 | 16 | SLE | Min | -781.0323 | 0.0000 | 15-1 |
| 15 | 15 | SLE_SISMA_DOWN | Max | 846.1216 | 0.0000 | 15-1 |
| 15 | 16 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 15-1 |
| 15 | 15 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 |
| 15 | 16 | SLE_SISMA_DOWN | Min | -752.1010 | 0.0000 | 15-1 |
| 15 | 15 | SLE_SISMA_UP | Max | 732.9779 | 0.0000 | 15-1 |
| 15 | 16 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 15-1 |
| 15 | 15 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 |
| 15 | 16 | SLE_SISMA_UP | Min | -645.2191 | 0.0000 | 15-1 |
| 15 | 15 | SLU_SISMA_DOWN | Max | 724.3403 | 0.0000 | 15-1 |
| 15 | 16 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 15-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 15 | 15 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 |
| 15 | 16 | SLU_SISMA_DOWN | Min | -573.4202 | 0.0000 | 15-1 |
| 15 | 15 | SLU_SISMA_UP | Max | 448.4446 | 0.0000 | 15-1 |
| 15 | 16 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 15-1 |
| 15 | 15 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 |
| 15 | 16 | SLU_SISMA_UP | Min | -317.5462 | 0.0000 | 15-1 |
| 16 | 16 | SLE | Max | 781.0323 | 0.0000 | 16-1 |
| 16 | 17 | SLE | Max | 0.0000 | 0.0000 | 16-1 |
| 16 | 16 | SLE | Min | 0.0000 | 0.0000 | 16-1 |
| 16 | 17 | SLE | Min | -655.8884 | 0.0000 | 16-1 |
| 16 | 16 | SLE_SISMA_DOWN | Max | 752.1010 | 0.0000 | 16-1 |
| 16 | 17 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 16-1 |
| 16 | 16 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 |
| 16 | 17 | SLE_SISMA_DOWN | Min | -574.1528 | 0.0000 | 16-1 |
| 16 | 16 | SLE_SISMA_UP | Max | 645.2191 | 0.0000 | 16-1 |
| 16 | 17 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 16-1 |
| 16 | 16 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 |
| 16 | 17 | SLE_SISMA_UP | Min | -485.7560 | 0.0000 | 16-1 |
| 16 | 16 | SLU_SISMA_DOWN | Max | 573.4202 | 0.0000 | 16-1 |
| 16 | 17 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 16-1 |
| 16 | 16 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 |
| 16 | 17 | SLU_SISMA_DOWN | Min | -354.9529 | 0.0000 | 16-1 |
| 16 | 16 | SLU_SISMA_UP | Max | 317.5462 | 0.0000 | 16-1 |
| 16 | 17 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 16-1 |
| 16 | 16 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 |
| 16 | 17 | SLU_SISMA_UP | Min | -149.1754 | 0.0000 | 16-1 |
| 17 | 17 | SLE | Max | 655.8884 | 0.0000 | 17-1 |
| 17 | 18 | SLE | Max | 0.0000 | 0.0000 | 17-1 |
| 17 | 17 | SLE | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 18 | SLE | Min | -454.9465 | 0.0000 | 17-1 |
| 17 | 17 | SLE_SISMA_DOWN | Max | 574.1528 | 0.0000 | 17-1 |
| 17 | 18 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 17-1 |
| 17 | 17 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 18 | SLE_SISMA_DOWN | Min | -322.2527 | 0.0000 | 17-1 |
| 17 | 17 | SLE_SISMA_UP | Max | 485.7560 | 0.0000 | 17-1 |
| 17 | 18 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 17-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 17 | 17 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 18 | SLE_SISMA_UP | Min | -263.3841 | 0.0000 | 17-1 |
| 17 | 17 | SLU_SISMA_DOWN | Max | 354.9529 | 0.0000 | 17-1 |
| 17 | 18 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 17-1 |
| 17 | 17 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 18 | SLU_SISMA_DOWN | Min | -81.4734 | 0.0000 | 17-1 |
| 17 | 17 | SLU_SISMA_UP | Max | 149.1754 | 0.0000 | 17-1 |
| 17 | 18 | SLU_SISMA_UP | Max | 47.1258 | 0.0000 | 17-1 |
| 17 | 17 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 18 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 |
| 18 | 18 | SLE | Max | 454.9465 | 0.0000 | 18-1 |
| 18 | 19 | SLE | Max | 0.0000 | 0.0000 | 18-1 |
| 18 | 18 | SLE | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 19 | SLE | Min | -189.9170 | 0.0000 | 18-1 |
| 18 | 18 | SLE_SISMA_DOWN | Max | 322.2527 | 0.0000 | 18-1 |
| 18 | 19 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 18-1 |
| 18 | 18 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 19 | SLE_SISMA_DOWN | Min | -12.2251 | 0.0000 | 18-1 |
| 18 | 18 | SLE_SISMA_UP | Max | 263.3841 | 0.0000 | 18-1 |
| 18 | 19 | SLE_SISMA_UP | Max | 8.0510 | 0.0000 | 18-1 |
| 18 | 18 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 19 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 18 | SLU_SISMA_DOWN | Max | 81.4734 | 0.0000 | 18-1 |
| 18 | 19 | SLU_SISMA_DOWN | Max | 228.3347 | 0.0000 | 18-1 |
| 18 | 18 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 19 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 18 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 |
| 18 | 19 | SLU_SISMA_UP | Max | 257.6177 | 0.0000 | 18-1 |
| 18 | 18 | SLU_SISMA_UP | Min | -47.1258 | 0.0000 | 18-1 |
| 18 | 19 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 18-1 |
| 19 | 19 | SLE | Max | 189.9170 | 0.0000 | 19-1 |
| 19 | 20 | SLE | Max | 123.4553 | 0.0000 | 19-1 |
| 19 | 19 | SLE | Min | 0.0000 | 0.0000 | 19-1 |
| 19 | 20 | SLE | Min | 0.0000 | 0.0000 | 19-1 |
| 19 | 19 | SLE_SISMA_DOWN | Max | 12.2251 | 0.0000 | 19-1 |
| 19 | 20 | SLE_SISMA_DOWN | Max | 335.4079 | 0.0000 | 19-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 19 | 19 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 19-1 |
| 19 | 20 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 19-1 |
| 19 | 19 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 |
| 19 | 20 | SLE_SISMA_UP | Max | 310.6873 | 0.0000 | 19-1 |
| 19 | 19 | SLE_SISMA_UP | Min | -8.0510 | 0.0000 | 19-1 |
| 19 | 20 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 19-1 |
| 19 | 19 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 |
| 19 | 20 | SLU_SISMA_DOWN | Max | 551.2908 | 0.0000 | 19-1 |
| 19 | 19 | SLU_SISMA_DOWN | Min | -228.3347 | 0.0000 | 19-1 |
| 19 | 20 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 19-1 |
| 19 | 19 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 |
| 19 | 20 | SLU_SISMA_UP | Max | 465.7413 | 0.0000 | 19-1 |
| 19 | 19 | SLU_SISMA_UP | Min | -257.6177 | 0.0000 | 19-1 |
| 19 | 20 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 19-1 |
| 20 | 20 | SLE | Max | 0.0000 | 0.0000 | 20-1 |
| 20 | 21 | SLE | Max | 467.2876 | 0.0000 | 20-1 |
| 20 | 20 | SLE | Min | -123.4553 | 0.0000 | 20-1 |
| 20 | 21 | SLE | Min | 0.0000 | 0.0000 | 20-1 |
| 20 | 20 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 |
| 20 | 21 | SLE_SISMA_DOWN | Max | 697.8095 | 0.0000 | 20-1 |
| 20 | 20 | SLE_SISMA_DOWN | Min | -335.4079 | 0.0000 | 20-1 |
| 20 | 21 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 20-1 |
| 20 | 20 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 |
| 20 | 21 | SLE_SISMA_UP | Max | 624.7768 | 0.0000 | 20-1 |
| 20 | 20 | SLE_SISMA_UP | Min | -310.6873 | 0.0000 | 20-1 |
| 20 | 21 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 20-1 |
| 20 | 20 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 |
| 20 | 21 | SLU_SISMA_DOWN | Max | 862.6949 | 0.0000 | 20-1 |
| 20 | 20 | SLU_SISMA_DOWN | Min | -551.2908 | 0.0000 | 20-1 |
| 20 | 21 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 20-1 |
| 20 | 20 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 |
| 20 | 21 | SLU_SISMA_UP | Max | 654.5005 | 0.0000 | 20-1 |
| 20 | 20 | SLU_SISMA_UP | Min | -465.7413 | 0.0000 | 20-1 |
| 20 | 21 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 20-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 21 | 21 | SLE | Max | 0.0000 | 0.0000 | 21-1 |
| 21 | 22 | SLE | Max | 819.3790 | 0.0000 | 21-1 |
| 21 | 21 | SLE | Min | -467.2876 | 0.0000 | 21-1 |
| 21 | 22 | SLE | Min | 0.0000 | 0.0000 | 21-1 |
| 21 | 21 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 |
| 21 | 22 | SLE_SISMA_DOWN | Max | 1047.9402 | 0.0000 | 21-1 |
| 21 | 21 | SLE_SISMA_DOWN | Min | -697.8095 | 0.0000 | 21-1 |
| 21 | 22 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 21-1 |
| 21 | 21 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 |
| 21 | 22 | SLE_SISMA_UP | Max | 926.9925 | 0.0000 | 21-1 |
| 21 | 21 | SLE_SISMA_UP | Min | -624.7768 | 0.0000 | 21-1 |
| 21 | 22 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 21-1 |
| 21 | 21 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 |
| 21 | 22 | SLU_SISMA_DOWN | Max | 1134.6361 | 0.0000 | 21-1 |
| 21 | 21 | SLU_SISMA_DOWN | Min | -862.6949 | 0.0000 | 21-1 |
| 21 | 22 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 21-1 |
| 21 | 21 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 |
| 21 | 22 | SLU_SISMA_UP | Max | 805.2019 | 0.0000 | 21-1 |
| 21 | 21 | SLU_SISMA_UP | Min | -654.5005 | 0.0000 | 21-1 |
| 21 | 22 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 21-1 |
| 22 | 22 | SLE | Max | 0.0000 | 0.0000 | 22-1 |
| 22 | 23 | SLE | Max | 1148.0719 | 0.0000 | 22-1 |
| 22 | 22 | SLE | Min | -819.3790 | 0.0000 | 22-1 |
| 22 | 23 | SLE | Min | 0.0000 | 0.0000 | 22-1 |
| 22 | 22 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 |
| 22 | 23 | SLE_SISMA_DOWN | Max | 1349.5372 | 0.0000 | 22-1 |
| 22 | 22 | SLE_SISMA_DOWN | Min | -1047.9402 | 0.0000 | 22-1 |
| 22 | 23 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 22-1 |
| 22 | 22 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 |
| 22 | 23 | SLE_SISMA_UP | Max | 1185.9280 | 0.0000 | 22-1 |
| 22 | 22 | SLE_SISMA_UP | Min | -926.9925 | 0.0000 | 22-1 |
| 22 | 23 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 22-1 |
| 22 | 22 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 |
| 22 | 23 | SLU_SISMA_DOWN | Max | 1334.9807 | 0.0000 | 22-1 |
| 22 | 22 | SLU_SISMA_DOWN | Min | -1134.6361 | 0.0000 | 22-1 |
| 22 | 23 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 22-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 22 | 22 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 |
| 22 | 23 | SLU_SISMA_UP | Max | 906.3055 | 0.0000 | 22-1 |
| 22 | 22 | SLU_SISMA_UP | Min | -805.2019 | 0.0000 | 22-1 |
| 22 | 23 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 22-1 |
| 23 | 23 | SLE | Max | 0.0000 | 0.0000 | 23-1 |
| 23 | 24 | SLE | Max | 1416.8851 | 0.0000 | 23-1 |
| 23 | 23 | SLE | Min | -1148.0719 | 0.0000 | 23-1 |
| 23 | 24 | SLE | Min | 0.0000 | 0.0000 | 23-1 |
| 23 | 23 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 |
| 23 | 24 | SLE_SISMA_DOWN | Max | 1562.3648 | 0.0000 | 23-1 |
| 23 | 23 | SLE_SISMA_DOWN | Min | -1349.5372 | 0.0000 | 23-1 |
| 23 | 24 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 23-1 |
| 23 | 23 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 |
| 23 | 24 | SLE_SISMA_UP | Max | 1366.8406 | 0.0000 | 23-1 |
| 23 | 23 | SLE_SISMA_UP | Min | -1185.9280 | 0.0000 | 23-1 |
| 23 | 24 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 23-1 |
| 23 | 23 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 |
| 23 | 24 | SLU_SISMA_DOWN | Max | 1452.6235 | 0.0000 | 23-1 |
| 23 | 23 | SLU_SISMA_DOWN | Min | -1334.9807 | 0.0000 | 23-1 |
| 23 | 24 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 23-1 |
| 23 | 23 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 |
| 23 | 24 | SLU_SISMA_UP | Max | 962.9649 | 0.0000 | 23-1 |
| 23 | 23 | SLU_SISMA_UP | Min | -906.3055 | 0.0000 | 23-1 |
| 23 | 24 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 23-1 |
| 24 | 24 | SLE | Max | 0.0000 | 0.0000 | 24-1 |
| 24 | 25 | SLE | Max | 1600.5727 | 0.0000 | 24-1 |
| 24 | 24 | SLE | Min | -1416.8851 | 0.0000 | 24-1 |
| 24 | 25 | SLE | Min | 0.0000 | 0.0000 | 24-1 |
| 24 | 24 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 |
| 24 | 25 | SLE_SISMA_DOWN | Max | 1681.1991 | 0.0000 | 24-1 |
| 24 | 24 | SLE_SISMA_DOWN | Min | -1562.3648 | 0.0000 | 24-1 |
| 24 | 25 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 24-1 |
| 24 | 24 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 |
| 24 | 25 | SLE_SISMA_UP | Max | 1469.0435 | 0.0000 | 24-1 |
| 24 | 24 | SLE_SISMA_UP | Min | -1366.8406 | 0.0000 | 24-1 |
| 24 | 25 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 24-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 24 | 24 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 |
| 24 | 25 | SLU_SISMA_DOWN | Max | 1515.0483 | 0.0000 | 24-1 |
| 24 | 24 | SLU_SISMA_DOWN | Min | -1452.6235 | 0.0000 | 24-1 |
| 24 | 25 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 24-1 |
| 24 | 24 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 |
| 24 | 25 | SLU_SISMA_UP | Max | 1002.3406 | 0.0000 | 24-1 |
| 24 | 24 | SLU_SISMA_UP | Min | -962.9649 | 0.0000 | 24-1 |
| 24 | 25 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 24-1 |
| 25 | 25 | SLE | Max | 0.0000 | 0.0000 | 25-1 |
| 25 | 26 | SLE | Max | 1745.6828 | 0.0000 | 25-1 |
| 25 | 25 | SLE | Min | -1600.5727 | 0.0000 | 25-1 |
| 25 | 26 | SLE | Min | 0.0000 | 0.0000 | 25-1 |
| 25 | 25 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 |
| 25 | 26 | SLE_SISMA_DOWN | Max | 1790.3800 | 0.0000 | 25-1 |
| 25 | 25 | SLE_SISMA_DOWN | Min | -1681.1991 | 0.0000 | 25-1 |
| 25 | 26 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 25-1 |
| 25 | 25 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 |
| 25 | 26 | SLE_SISMA_UP | Max | 1571.9517 | 0.0000 | 25-1 |
| 25 | 25 | SLE_SISMA_UP | Min | -1469.0435 | 0.0000 | 25-1 |
| 25 | 26 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 25-1 |
| 25 | 25 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 |
| 25 | 26 | SLU_SISMA_DOWN | Max | 1618.7462 | 0.0000 | 25-1 |
| 25 | 25 | SLU_SISMA_DOWN | Min | -1515.0483 | 0.0000 | 25-1 |
| 25 | 26 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 25-1 |
| 25 | 25 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 |
| 25 | 26 | SLU_SISMA_UP | Max | 1100.6688 | 0.0000 | 25-1 |
| 25 | 25 | SLU_SISMA_UP | Min | -1002.3406 | 0.0000 | 25-1 |
| 25 | 26 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 25-1 |
| 26 | 26 | SLE | Max | 0.0000 | 0.0000 | 26-1 |
| 26 | 27 | SLE | Max | 1976.6368 | 0.0000 | 26-1 |
| 26 | 26 | SLE | Min | -1745.6828 | 0.0000 | 26-1 |
| 26 | 27 | SLE | Min | 0.0000 | 0.0000 | 26-1 |
| 26 | 26 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 |
| 26 | 27 | SLE_SISMA_DOWN | Max | 2003.6006 | 0.0000 | 26-1 |
| 26 | 26 | SLE_SISMA_DOWN | Min | -1790.3800 | 0.0000 | 26-1 |
| 26 | 27 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 26-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 26 | 26 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 |
| 26 | 27 | SLE_SISMA_UP | Max | 1778.3603 | 0.0000 | 26-1 |
| 26 | 26 | SLE_SISMA_UP | Min | -1571.9517 | 0.0000 | 26-1 |
| 26 | 27 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 26-1 |
| 26 | 26 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 |
| 26 | 27 | SLU_SISMA_DOWN | Max | 1867.9343 | 0.0000 | 26-1 |
| 26 | 26 | SLU_SISMA_DOWN | Min | -1618.7462 | 0.0000 | 26-1 |
| 26 | 27 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 26-1 |
| 26 | 26 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 |
| 26 | 27 | SLU_SISMA_UP | Max | 1340.4563 | 0.0000 | 26-1 |
| 26 | 26 | SLU_SISMA_UP | Min | -1100.6688 | 0.0000 | 26-1 |
| 26 | 27 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 26-1 |
| 27 | 27 | SLE | Max | 0.0000 | 0.0000 | 27-1 |
| 27 | 28 | SLE | Max | 2297.5128 | 0.0000 | 27-1 |
| 27 | 27 | SLE | Min | -1976.6368 | 0.0000 | 27-1 |
| 27 | 28 | SLE | Min | 0.0000 | 0.0000 | 27-1 |
| 27 | 27 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 |
| 27 | 28 | SLE_SISMA_DOWN | Max | 2323.0569 | 0.0000 | 27-1 |
| 27 | 27 | SLE_SISMA_DOWN | Min | -2003.6006 | 0.0000 | 27-1 |
| 27 | 28 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 27-1 |
| 27 | 27 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 |
| 27 | 28 | SLE_SISMA_UP | Max | 2090.6458 | 0.0000 | 27-1 |
| 27 | 27 | SLE_SISMA_UP | Min | -1778.3603 | 0.0000 | 27-1 |
| 27 | 28 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 27-1 |
| 27 | 27 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 |
| 27 | 28 | SLU_SISMA_DOWN | Max | 2263.6896 | 0.0000 | 27-1 |
| 27 | 27 | SLU_SISMA_DOWN | Min | -1867.9343 | 0.0000 | 27-1 |
| 27 | 28 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 27-1 |
| 27 | 27 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 |
| 27 | 28 | SLU_SISMA_UP | Max | 1723.2728 | 0.0000 | 27-1 |
| 27 | 27 | SLU_SISMA_UP | Min | -1340.4563 | 0.0000 | 27-1 |
| 27 | 28 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 27-1 |
| 28 | 28 | SLE | Max | 0.0000 | 0.0000 | 28-1 |
| 28 | 29 | SLE | Max | 870.5279 | 0.0000 | 28-1 |
| 28 | 28 | SLE | Min | -2297.5128 | 0.0000 | 28-1 |
| 28 | 29 | SLE | Min | 0.0000 | 0.0000 | 28-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 28 | 28 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 |
| 28 | 29 | SLE_SISMA_DOWN | Max | 897.9073 | 0.0000 | 28-1 |
| 28 | 28 | SLE_SISMA_DOWN | Min | -2323.0569 | 0.0000 | 28-1 |
| 28 | 29 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 28-1 |
| 28 | 28 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 |
| 28 | 29 | SLE_SISMA_UP | Max | 816.6495 | 0.0000 | 28-1 |
| 28 | 28 | SLE_SISMA_UP | Min | -2090.6458 | 0.0000 | 28-1 |
| 28 | 29 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 28-1 |
| 28 | 28 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 |
| 28 | 29 | SLU_SISMA_DOWN | Max | 920.2529 | 0.0000 | 28-1 |
| 28 | 28 | SLU_SISMA_DOWN | Min | -2263.6896 | 0.0000 | 28-1 |
| 28 | 29 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 28-1 |
| 28 | 28 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 |
| 28 | 29 | SLU_SISMA_UP | Max | 730.1363 | 0.0000 | 28-1 |
| 28 | 28 | SLU_SISMA_UP | Min | -1723.2728 | 0.0000 | 28-1 |
| 28 | 29 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 28-1 |
| 29 | 29 | SLE | Max | 0.0000 | 0.0000 | 29-1 |
| 29 | 30 | SLE | Max | 658.0008 | 0.0000 | 29-1 |
| 29 | 29 | SLE | Min | -870.5279 | 0.0000 | 29-1 |
| 29 | 30 | SLE | Min | 0.0000 | 0.0000 | 29-1 |
| 29 | 29 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 29-1 |
| 29 | 30 | SLE_SISMA_DOWN | Max | 608.2441 | 0.0000 | 29-1 |
| 29 | 29 | SLE_SISMA_DOWN | Min | -897.9073 | 0.0000 | 29-1 |
| 29 | 30 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 |
| 29 | 29 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 29-1 |
| 29 | 30 | SLE_SISMA_UP | Max | 545.1305 | 0.0000 | 29-1 |
| 29 | 29 | SLE_SISMA_UP | Min | -816.6495 | 0.0000 | 29-1 |
| 29 | 30 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 |
| 29 | 29 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 29-1 |
| 29 | 30 | SLU_SISMA_DOWN | Max | 532.5777 | 0.0000 | 29-1 |
| 29 | 29 | SLU_SISMA_DOWN | Min | -920.2529 | 0.0000 | 29-1 |
| 29 | 30 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 |
| 29 | 29 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 29-1 |
| 29 | 30 | SLU_SISMA_UP | Max | 391.4982 | 0.0000 | 29-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 29 | 29 | SLU_SISMA_UP | Min | -730.1363 | 0.0000 | 29-1 |
| 29 | 30 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 |
| 30 | 30 | SLE | Max | 0.0000 | 0.0000 | 30-1 |
| 30 | 31 | SLE | Max | 628.5923 | 0.0000 | 30-1 |
| 30 | 30 | SLE | Min | -658.0008 | 0.0000 | 30-1 |
| 30 | 31 | SLE | Min | 0.0000 | 0.0000 | 30-1 |
| 30 | 30 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 30-1 |
| 30 | 31 | SLE_SISMA_DOWN | Max | 522.6924 | 0.0000 | 30-1 |
| 30 | 30 | SLE_SISMA_DOWN | Min | -608.2441 | 0.0000 | 30-1 |
| 30 | 31 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 |
| 30 | 30 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 30-1 |
| 30 | 31 | SLE_SISMA_UP | Max | 461.7846 | 0.0000 | 30-1 |
| 30 | 30 | SLE_SISMA_UP | Min | -545.1305 | 0.0000 | 30-1 |
| 30 | 31 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 |
| 30 | 30 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 30-1 |
| 30 | 31 | SLU_SISMA_DOWN | Max | 376.5767 | 0.0000 | 30-1 |
| 30 | 30 | SLU_SISMA_DOWN | Min | -532.5777 | 0.0000 | 30-1 |
| 30 | 31 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 |
| 30 | 30 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 30-1 |
| 30 | 31 | SLU_SISMA_UP | Max | 246.5138 | 0.0000 | 30-1 |
| 30 | 30 | SLU_SISMA_UP | Min | -391.4982 | 0.0000 | 30-1 |
| 30 | 31 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 |
| 31 | 31 | SLE | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 32 | SLE | Max | 48.1181 | 0.0000 | 31-1 |
| 31 | 31 | SLE | Min | -628.5923 | 0.0000 | 31-1 |
| 31 | 32 | SLE | Min | 0.0000 | 0.0000 | 31-1 |
| 31 | 31 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 32 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 31 | SLE_SISMA_DOWN | Min | -522.6924 | 0.0000 | 31-1 |
| 31 | 32 | SLE_SISMA_DOWN | Min | -87.0713 | 0.0000 | 31-1 |
| 31 | 31 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 32 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 31 | SLE_SISMA_UP | Min | -461.7846 | 0.0000 | 31-1 |
| 31 | 32 | SLE_SISMA_UP | Min | -86.7015 | 0.0000 | 31-1 |
| 31 | 31 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 32 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 31-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 31 | 31 | SLU_SISMA_DOWN | Min | -376.5767 | 0.0000 | 31-1 |
| 31 | 32 | SLU_SISMA_DOWN | Min | -239.5608 | 0.0000 | 31-1 |
| 31 | 31 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 32 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 31 | SLU_SISMA_UP | Min | -246.5138 | 0.0000 | 31-1 |
| 31 | 32 | SLU_SISMA_UP | Min | -224.3826 | 0.0000 | 31-1 |
| 32 | 32 | SLE | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 33 | SLE | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 32 | SLE | Min | -48.1181 | 0.0000 | 32-1 |
| 32 | 33 | SLE | Min | -426.8805 | 0.0000 | 32-1 |
| 32 | 32 | SLE_SISMA_DOWN | Max | 87.0713 | 0.0000 | 32-1 |
| 32 | 33 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 32 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 32-1 |
| 32 | 33 | SLE_SISMA_DOWN | Min | -570.3942 | 0.0000 | 32-1 |
| 32 | 32 | SLE_SISMA_UP | Max | 86.7015 | 0.0000 | 32-1 |
| 32 | 33 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 32 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 32-1 |
| 32 | 33 | SLE_SISMA_UP | Min | -519.9281 | 0.0000 | 32-1 |
| 32 | 32 | SLU_SISMA_DOWN | Max | 239.5608 | 0.0000 | 32-1 |
| 32 | 33 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 32 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 32-1 |
| 32 | 33 | SLU_SISMA_DOWN | Min | -707.0511 | 0.0000 | 32-1 |
| 32 | 32 | SLU_SISMA_UP | Max | 224.3826 | 0.0000 | 32-1 |
| 32 | 33 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 32 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 32-1 |
| 32 | 33 | SLU_SISMA_UP | Min | -574.3463 | 0.0000 | 32-1 |
| 33 | 33 | SLE | Max | 426.8805 | 0.0000 | 33-1 |
| 33 | 34 | SLE | Max | 0.0000 | 0.0000 | 33-1 |
| 33 | 33 | SLE | Min | 0.0000 | 0.0000 | 33-1 |
| 33 | 34 | SLE | Min | -795.7956 | 0.0000 | 33-1 |
| 33 | 33 | SLE_SISMA_DOWN | Max | 570.3942 | 0.0000 | 33-1 |
| 33 | 34 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 |
| 33 | 33 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 33-1 |
| 33 | 34 | SLE_SISMA_DOWN | Min | -930.2001 | 0.0000 | 33-1 |
| 33 | 33 | SLE_SISMA_UP | Max | 519.9281 | 0.0000 | 33-1 |
| 33 | 34 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 33 | 33 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 33-1 |
| 33 | 34 | SLE_SISMA_UP | Min | -840.8032 | 0.0000 | 33-1 |
| 33 | 33 | SLU_SISMA_DOWN | Max | 707.0511 | 0.0000 | 33-1 |
| 33 | 34 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 |
| 33 | 33 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 33-1 |
| 33 | 34 | SLU_SISMA_DOWN | Min | -1033.5065 | 0.0000 | 33-1 |
| 33 | 33 | SLU_SISMA_UP | Max | 574.3463 | 0.0000 | 33-1 |
| 33 | 34 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 |
| 33 | 33 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 33-1 |
| 33 | 34 | SLU_SISMA_UP | Min | -810.6941 | 0.0000 | 33-1 |
| 34 | 34 | SLE | Max | 795.7956 | 0.0000 | 34-1 |
| 34 | 35 | SLE | Max | 0.0000 | 0.0000 | 34-1 |
| 34 | 34 | SLE | Min | 0.0000 | 0.0000 | 34-1 |
| 34 | 35 | SLE | Min | -1058.7854 | 0.0000 | 34-1 |
| 34 | 34 | SLE_SISMA_DOWN | Max | 930.2001 | 0.0000 | 34-1 |
| 34 | 35 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 |
| 34 | 34 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 34-1 |
| 34 | 35 | SLE_SISMA_DOWN | Min | -1170.1902 | 0.0000 | 34-1 |
| 34 | 34 | SLE_SISMA_UP | Max | 840.8032 | 0.0000 | 34-1 |
| 34 | 35 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 |
| 34 | 34 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 34-1 |
| 34 | 35 | SLE_SISMA_UP | Min | -1052.9587 | 0.0000 | 34-1 |
| 34 | 34 | SLU_SISMA_DOWN | Max | 1033.5065 | 0.0000 | 34-1 |
| 34 | 35 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 |
| 34 | 34 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 34-1 |
| 34 | 35 | SLU_SISMA_DOWN | Min | -1227.3873 | 0.0000 | 34-1 |
| 34 | 34 | SLU_SISMA_UP | Max | 810.6941 | 0.0000 | 34-1 |
| 34 | 35 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 |
| 34 | 34 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 34-1 |
| 34 | 35 | SLU_SISMA_UP | Min | -941.4704 | 0.0000 | 34-1 |
| 35 | 35 | SLE | Max | 1058.7854 | 0.0000 | 35-1 |
| 35 | 36 | SLE | Max | 0.0000 | 0.0000 | 35-1 |
| 35 | 35 | SLE | Min | 0.0000 | 0.0000 | 35-1 |
| 35 | 36 | SLE | Min | -1216.3027 | 0.0000 | 35-1 |
| 35 | 35 | SLE_SISMA_DOWN | Max | 1170.1902 | 0.0000 | 35-1 |
| 35 | 36 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 35 | 35 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 35-1 |
| 35 | 36 | SLE_SISMA_DOWN | Min | -1294.3468 | 0.0000 | 35-1 |
| 35 | 35 | SLE_SISMA_UP | Max | 1052.9587 | 0.0000 | 35-1 |
| 35 | 36 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 |
| 35 | 35 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 35-1 |
| 35 | 36 | SLE_SISMA_UP | Min | -1160.3046 | 0.0000 | 35-1 |
| 35 | 35 | SLU_SISMA_DOWN | Max | 1227.3873 | 0.0000 | 35-1 |
| 35 | 36 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 |
| 35 | 35 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 35-1 |
| 35 | 36 | SLU_SISMA_DOWN | Min | -1297.4997 | 0.0000 | 35-1 |
| 35 | 35 | SLU_SISMA_UP | Max | 941.4704 | 0.0000 | 35-1 |
| 35 | 36 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 |
| 35 | 35 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 35-1 |
| 35 | 36 | SLU_SISMA_UP | Min | -975.0633 | 0.0000 | 35-1 |
| 36 | 36 | SLE | Max | 1216.3027 | 0.0000 | 36-1 |
| 36 | 37 | SLE | Max | 0.0000 | 0.0000 | 36-1 |
| 36 | 36 | SLE | Min | 0.0000 | 0.0000 | 36-1 |
| 36 | 37 | SLE | Min | -1268.7554 | 0.0000 | 36-1 |
| 36 | 36 | SLE_SISMA_DOWN | Max | 1294.3468 | 0.0000 | 36-1 |
| 36 | 37 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 |
| 36 | 36 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 36-1 |
| 36 | 37 | SLE_SISMA_DOWN | Min | -1306.5873 | 0.0000 | 36-1 |
| 36 | 36 | SLE_SISMA_UP | Max | 1160.3046 | 0.0000 | 36-1 |
| 36 | 37 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 |
| 36 | 36 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 36-1 |
| 36 | 37 | SLE_SISMA_UP | Min | -1166.7188 | 0.0000 | 36-1 |
| 36 | 36 | SLU_SISMA_DOWN | Max | 1297.4997 | 0.0000 | 36-1 |
| 36 | 37 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 |
| 36 | 36 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 36-1 |
| 36 | 37 | SLU_SISMA_DOWN | Min | -1252.6582 | 0.0000 | 36-1 |
| 36 | 36 | SLU_SISMA_UP | Max | 975.0633 | 0.0000 | 36-1 |
| 36 | 37 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 |
| 36 | 36 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 36-1 |
| 36 | 37 | SLU_SISMA_UP | Min | -919.9520 | 0.0000 | 36-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 37 | 37 | SLE | Max | 1268.7554 | 0.0000 | 37-1 |
| 37 | 38 | SLE | Max | 0.0000 | 0.0000 | 37-1 |
| 37 | 37 | SLE | Min | 0.0000 | 0.0000 | 37-1 |
| 37 | 38 | SLE | Min | -1216.3027 | 0.0000 | 37-1 |
| 37 | 37 | SLE_SISMA_DOWN | Max | 1306.5873 | 0.0000 | 37-1 |
| 37 | 38 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 |
| 37 | 37 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 37-1 |
| 37 | 38 | SLE_SISMA_DOWN | Min | -1210.5655 | 0.0000 | 37-1 |
| 37 | 37 | SLE_SISMA_UP | Max | 1166.7188 | 0.0000 | 37-1 |
| 37 | 38 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 |
| 37 | 37 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 37-1 |
| 37 | 38 | SLE_SISMA_UP | Min | -1075.8704 | 0.0000 | 37-1 |
| 37 | 37 | SLU_SISMA_DOWN | Max | 1252.6582 | 0.0000 | 37-1 |
| 37 | 38 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 |
| 37 | 37 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 37-1 |
| 37 | 38 | SLU_SISMA_DOWN | Min | -1101.5060 | 0.0000 | 37-1 |
| 37 | 37 | SLU_SISMA_UP | Max | 919.9520 | 0.0000 | 37-1 |
| 37 | 38 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 |
| 37 | 37 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 37-1 |
| 37 | 38 | SLU_SISMA_UP | Min | -784.5772 | 0.0000 | 37-1 |
| 38 | 38 | SLE | Max | 1216.3027 | 0.0000 | 38-1 |
| 38 | 39 | SLE | Max | 0.0000 | 0.0000 | 38-1 |
| 38 | 38 | SLE | Min | 0.0000 | 0.0000 | 38-1 |
| 38 | 39 | SLE | Min | -1058.7854 | 0.0000 | 38-1 |
| 38 | 38 | SLE_SISMA_DOWN | Max | 1210.5655 | 0.0000 | 38-1 |
| 38 | 39 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 |
| 38 | 38 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 38-1 |
| 38 | 39 | SLE_SISMA_DOWN | Min | -1009.6187 | 0.0000 | 38-1 |
| 38 | 38 | SLE_SISMA_UP | Max | 1075.8704 | 0.0000 | 38-1 |
| 38 | 39 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 |
| 38 | 38 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 38-1 |
| 38 | 39 | SLE_SISMA_UP | Min | -891.1743 | 0.0000 | 38-1 |
| 38 | 38 | SLU_SISMA_DOWN | Max | 1101.5060 | 0.0000 | 38-1 |
| 38 | 39 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 |
| 38 | 38 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 38-1 |
| 38 | 39 | SLU_SISMA_DOWN | Min | -852.4831 | 0.0000 | 38-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 38 | 38 | SLU_SISMA_UP | Max | 784.5772 | 0.0000 | 38-1 |
| 38 | 39 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 |
| 38 | 38 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 38-1 |
| 38 | 39 | SLU_SISMA_UP | Min | -577.3242 | 0.0000 | 38-1 |
| 39 | 39 | SLE | Max | 1058.7854 | 0.0000 | 39-1 |
| 39 | 40 | SLE | Max | 0.0000 | 0.0000 | 39-1 |
| 39 | 39 | SLE | Min | 0.0000 | 0.0000 | 39-1 |
| 39 | 40 | SLE | Min | -795.7956 | 0.0000 | 39-1 |
| 39 | 39 | SLE_SISMA_DOWN | Max | 1009.6187 | 0.0000 | 39-1 |
| 39 | 40 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 |
| 39 | 39 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 39-1 |
| 39 | 40 | SLE_SISMA_DOWN | Min | -706.8557 | 0.0000 | 39-1 |
| 39 | 39 | SLE_SISMA_UP | Max | 891.1743 | 0.0000 | 39-1 |
| 39 | 40 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 |
| 39 | 39 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 39-1 |
| 39 | 40 | SLE_SISMA_UP | Min | -615.8714 | 0.0000 | 39-1 |
| 39 | 39 | SLU_SISMA_DOWN | Max | 852.4831 | 0.0000 | 39-1 |
| 39 | 40 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 |
| 39 | 39 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 39-1 |
| 39 | 40 | SLU_SISMA_DOWN | Min | -513.9319 | 0.0000 | 39-1 |
| 39 | 39 | SLU_SISMA_UP | Max | 577.3242 | 0.0000 | 39-1 |
| 39 | 40 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 |
| 39 | 39 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 39-1 |
| 39 | 40 | SLU_SISMA_UP | Min | -306.6093 | 0.0000 | 39-1 |
| 40 | 40 | SLE | Max | 795.7956 | 0.0000 | 40-1 |
| 40 | 41 | SLE | Max | 0.0000 | 0.0000 | 40-1 |
| 40 | 40 | SLE | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 41 | SLE | Min | -426.8805 | 0.0000 | 40-1 |
| 40 | 40 | SLE_SISMA_DOWN | Max | 706.8557 | 0.0000 | 40-1 |
| 40 | 41 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 |
| 40 | 40 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 41 | SLE_SISMA_DOWN | Min | -305.3805 | 0.0000 | 40-1 |
| 40 | 40 | SLE_SISMA_UP | Max | 615.8714 | 0.0000 | 40-1 |
| 40 | 41 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 |
| 40 | 40 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 41 | SLE_SISMA_UP | Min | -253.2304 | 0.0000 | 40-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 40 | 40 | SLU_SISMA_DOWN | Max | 513.9319 | 0.0000 | 40-1 |
| 40 | 41 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 |
| 40 | 40 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 41 | SLU_SISMA_DOWN | Min | -94.3286 | 0.0000 | 40-1 |
| 40 | 40 | SLU_SISMA_UP | Max | 306.6093 | 0.0000 | 40-1 |
| 40 | 41 | SLU_SISMA_UP | Max | 18.9432 | 0.0000 | 40-1 |
| 40 | 40 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 41 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 40-1 |
| 41 | 41 | SLE | Max | 426.8805 | 0.0000 | 41-1 |
| 41 | 42 | SLE | Max | 48.1181 | 0.0000 | 41-1 |
| 41 | 41 | SLE | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 42 | SLE | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 41 | SLE_SISMA_DOWN | Max | 305.3805 | 0.0000 | 41-1 |
| 41 | 42 | SLE_SISMA_DOWN | Max | 191.3543 | 0.0000 | 41-1 |
| 41 | 41 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 42 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 41 | SLE_SISMA_UP | Max | 253.2304 | 0.0000 | 41-1 |
| 41 | 42 | SLE_SISMA_UP | Max | 193.1352 | 0.0000 | 41-1 |
| 41 | 41 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 42 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 41 | SLU_SISMA_DOWN | Max | 94.3286 | 0.0000 | 41-1 |
| 41 | 42 | SLU_SISMA_DOWN | Max | 397.3729 | 0.0000 | 41-1 |
| 41 | 41 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 42 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 41 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 41-1 |
| 41 | 42 | SLU_SISMA_UP | Max | 390.2451 | 0.0000 | 41-1 |
| 41 | 41 | SLU_SISMA_UP | Min | -18.9432 | 0.0000 | 41-1 |
| 41 | 42 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 |
| 42 | 42 | SLE | Max | 0.0000 | 0.0000 | 42-1 |
| 42 | 43 | SLE | Max | 628.5923 | 0.0000 | 42-1 |
| 42 | 42 | SLE | Min | -48.1181 | 0.0000 | 42-1 |
| 42 | 43 | SLE | Min | 0.0000 | 0.0000 | 42-1 |
| 42 | 42 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 42-1 |
| 42 | 43 | SLE_SISMA_DOWN | Max | 779.0721 | 0.0000 | 42-1 |
| 42 | 42 | SLE_SISMA_DOWN | Min | -191.3543 | 0.0000 | 42-1 |
| 42 | 43 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 42 | 42 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 42-1 |
| 42 | 43 | SLE_SISMA_UP | Max | 718.8431 | 0.0000 | 42-1 |
| 42 | 42 | SLE_SISMA_UP | Min | -193.1352 | 0.0000 | 42-1 |
| 42 | 43 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 |
| 42 | 42 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 42-1 |
| 42 | 43 | SLU_SISMA_DOWN | Max | 951.2996 | 0.0000 | 42-1 |
| 42 | 42 | SLU_SISMA_DOWN | Min | -397.3729 | 0.0000 | 42-1 |
| 42 | 43 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 |
| 42 | 42 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 42-1 |
| 42 | 43 | SLU_SISMA_UP | Max | 797.4229 | 0.0000 | 42-1 |
| 42 | 42 | SLU_SISMA_UP | Min | -390.2451 | 0.0000 | 42-1 |
| 42 | 43 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 |
| 43 | 43 | SLE | Max | 0.0000 | 0.0000 | 43-1 |
| 43 | 44 | SLE | Max | 658.0008 | 0.0000 | 43-1 |
| 43 | 43 | SLE | Min | -628.5923 | 0.0000 | 43-1 |
| 43 | 44 | SLE | Min | 0.0000 | 0.0000 | 43-1 |
| 43 | 43 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 43-1 |
| 43 | 44 | SLE_SISMA_DOWN | Max | 754.7592 | 0.0000 | 43-1 |
| 43 | 43 | SLE_SISMA_DOWN | Min | -779.0721 | 0.0000 | 43-1 |
| 43 | 44 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 |
| 43 | 43 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 43-1 |
| 43 | 44 | SLE_SISMA_UP | Max | 691.6698 | 0.0000 | 43-1 |
| 43 | 43 | SLE_SISMA_UP | Min | -718.8431 | 0.0000 | 43-1 |
| 43 | 44 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 |
| 43 | 43 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 43-1 |
| 43 | 44 | SLU_SISMA_DOWN | Max | 854.9776 | 0.0000 | 43-1 |
| 43 | 43 | SLU_SISMA_DOWN | Min | -951.2996 | 0.0000 | 43-1 |
| 43 | 44 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 |
| 43 | 43 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 43-1 |
| 43 | 44 | SLU_SISMA_UP | Max | 698.6979 | 0.0000 | 43-1 |
| 43 | 43 | SLU_SISMA_UP | Min | -797.4229 | 0.0000 | 43-1 |
| 43 | 44 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 |
| 44 | 44 | SLE | Max | 0.0000 | 0.0000 | 44-1 |
| 44 | 1 | SLE | Max | 870.5279 | 0.0000 | 44-1 |
| 44 | 44 | SLE | Min | -658.0008 | 0.0000 | 44-1 |
| 44 | 1 | SLE | Min | 0.0000 | 0.0000 | 44-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 44 | 44 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 44-1 |
| 44 | 1 | SLE_SISMA_DOWN | Max | 908.0090 | 0.0000 | 44-1 |
| 44 | 44 | SLE_SISMA_DOWN | Min | -754.7592 | 0.0000 | 44-1 |
| 44 | 1 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 |
| 44 | 44 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 44-1 |
| 44 | 1 | SLE_SISMA_UP | Max | 826.4763 | 0.0000 | 44-1 |
| 44 | 44 | SLE_SISMA_UP | Min | -691.6698 | 0.0000 | 44-1 |
| 44 | 1 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 |
| 44 | 44 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 44-1 |
| 44 | 1 | SLU_SISMA_DOWN | Max | 929.7168 | 0.0000 | 44-1 |
| 44 | 44 | SLU_SISMA_DOWN | Min | -854.9776 | 0.0000 | 44-1 |
| 44 | 1 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 |
| 44 | 44 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 44-1 |
| 44 | 1 | SLU_SISMA_UP | Max | 734.0837 | 0.0000 | 44-1 |
| 44 | 44 | SLU_SISMA_UP | Min | -698.6979 | 0.0000 | 44-1 |
| 44 | 1 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 |
| 45 | 2 | SLE | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLE | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE | Min | -2.665E-14 | 0.0000 | 45-1 |
| 45 | 2 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE_SISMA_DOWN | Min | -1.776E-14 | 0.0000 | 45-1 |
| 45 | 2 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE_SISMA_UP | Min | -8.882E-15 | 0.0000 | 45-1 |
| 45 | 2 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLU_SISMA_DOWN | Min | -1.776E-14 | 0.0000 | 45-1 |
| 45 | 2 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 45 | 2 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 |
| 46 | 31 | SLE | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLE | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLE | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLE | Min | -2.665E-14 | 0.0000 | 46-1 |
| 46 | 31 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLE_SISMA_DOWN | Min | -1.776E-14 | 0.0000 | 46-1 |
| 46 | 31 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLE_SISMA_UP | Min | -8.882E-15 | 0.0000 | 46-1 |
| 46 | 31 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLU_SISMA_DOWN | Min | -1.776E-14 | 0.0000 | 46-1 |
| 46 | 31 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 |

## Table: Frame Auto Mesh Assignments

**Table: Frame Auto Mesh Assignments**

| Frame | AutoMesh | AtJoints | AtFrames | NumSegments | MaxLength | MaxDegrees |
|---|---|---|---|---|---|---|
| | | | | | m | Degrees |
| 1 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 2 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 3 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 4 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 5 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 6 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 7 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 8 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 9 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 10 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 11 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 12 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 13 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 14 | Yes | Yes | No | 0 | 0.000000 | 0.000 |

**Table: Frame Auto Mesh Assignments**

| Frame | AutoMesh | AtJoints | AtFrames | NumSegments | MaxLength | MaxDegrees |
|---|---|---|---|---|---|---|
| | | | | | m | Degrees |
| 15 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 16 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 17 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 18 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 19 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 20 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 21 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 22 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 23 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 24 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 25 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 26 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 27 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 28 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 29 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 30 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 31 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 32 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 33 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 34 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 35 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 36 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 37 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 38 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 39 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 40 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 41 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 42 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 43 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 44 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 45 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 46 | Yes | Yes | No | 0 | 0.000000 | 0.000 |

## Table: Frame Design Procedures

**Table: Frame Design Procedures**

| Frame | DesignProc |
|---|---|
| 1 | From Material |
| 2 | From Material |
| 3 | From Material |
| 4 | From Material |
| 5 | From Material |
| 6 | From Material |
| 7 | From Material |
| 8 | From Material |
| 9 | From Material |
| 10 | From Material |

**Table: Frame Design Procedures**

| Frame | DesignProc |
|---|---|
| 11 | From Material |
| 12 | From Material |
| 13 | From Material |
| 14 | From Material |
| 15 | From Material |
| 16 | From Material |
| 17 | From Material |
| 18 | From Material |
| 19 | From Material |
| 20 | From Material |
| 21 | From Material |
| 22 | From Material |
| 23 | From Material |
| 24 | From Material |
| 25 | From Material |
| 26 | From Material |
| 27 | From Material |
| 28 | From Material |
| 29 | From Material |
| 30 | From Material |
| 31 | From Material |
| 32 | From Material |
| 33 | From Material |
| 34 | From Material |
| 35 | From Material |
| 36 | From Material |
| 37 | From Material |
| 38 | From Material |
| 39 | From Material |
| 40 | From Material |
| 41 | From Material |
| 42 | From Material |

**Table: Frame Design Procedures**

| Frame | DesignProc |
|---|---|
| 43 | From Material |
| 44 | From Material |
| 45 | From Material |
| 46 | From Material |

## Table: Frame Loads - Distributed, Part 1 of 3

**Table: Frame Loads - Distributed, Part 1 of 3**

| Frame | LoadPat | CoordSys | Type | Dir | DistType | RelDistA |
|---|---|---|---|---|---|---|
| 1 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 1 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 1 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 2 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 2 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 2 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 3 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 3 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 3 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 4 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 4 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 4 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 5 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 5 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 5 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 5 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 5 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 5 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 5 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 5 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 6 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 6 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 6 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 6 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 6 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 6 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 6 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 6 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 7 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 7 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 7 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 7 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 7 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 7 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 7 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 7 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 8 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 8 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 8 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |

**Table: Frame Loads - Distributed, Part 1 of 3**

| Frame | LoadPat | CoordSys | Type | Dir | DistType | RelDistA |
|---|---|---|---|---|---|---|
| 8 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 8 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 8 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 8 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 8 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 9 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 9 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 9 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 9 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 9 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 9 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 9 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 9 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 10 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 10 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 10 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 10 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 10 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 10 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 10 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 10 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 11 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 11 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 11 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 11 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 11 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 11 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 11 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 11 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 12 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 12 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 12 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 12 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 12 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 12 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 12 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 12 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 13 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 13 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 13 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 13 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 13 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 13 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 13 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 13 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 14 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 14 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 14 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 14 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |

**Table: Frame Loads - Distributed, Part 1 of 3**

| Frame | LoadPat | CoordSys | Type | Dir | DistType | RelDistA |
|---|---|---|---|---|---|---|
| 14 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 14 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 14 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 14 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 15 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 15 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 15 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 15 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 15 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 15 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 15 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 15 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 16 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 16 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 16 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 16 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 16 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 16 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 16 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 16 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 17 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 17 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 17 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 17 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 17 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 17 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 17 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 17 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 18 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 18 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 18 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 18 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 18 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 18 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 18 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 18 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 19 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 19 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 19 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 19 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 19 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 19 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 19 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 19 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 20 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 20 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 20 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 20 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 20 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |

**Table: Frame Loads - Distributed, Part 1 of 3**

| Frame | LoadPat | CoordSys | Type | Dir | DistType | RelDistA |
|---|---|---|---|---|---|---|
| 20 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 20 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 20 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 21 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 21 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 21 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 21 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 21 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 21 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 21 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 21 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 22 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 22 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 22 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 22 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 22 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 22 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 22 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 22 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 23 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 23 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 23 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 23 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 23 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 23 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 23 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 23 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 24 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 24 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 24 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 24 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 24 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 24 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 24 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 24 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 25 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 25 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 25 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 26 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 26 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 26 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 27 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 27 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 27 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 28 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 28 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 28 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |

## Table: Frame Loads - Distributed, Part 2 of 3

**Table: Frame Loads - Distributed, Part 2 of 3**

| Frame | LoadPat | RelDistB | AbsDistA | AbsDistB | FOverLA | FOverLB |
|---|---|---|---|---|---|---|
| | | | m | m | KN/m | KN/m |
| 1 | PHSX_SLE | 1.0000 | 0.00000 | 1.02176 | 124.60 | 124.60 |
| 1 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.02176 | 135.68 | 135.68 |
| 1 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.02176 | 176.98 | 176.98 |
| 2 | PHSX_SLE | 1.0000 | 0.00000 | 0.84789 | 116.58 | 116.58 |
| 2 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 0.84789 | 127.67 | 127.67 |
| 2 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 0.84789 | 167.37 | 167.37 |
| 3 | PHSX_SLE | 1.0000 | 0.00000 | 0.84789 | 109.42 | 109.42 |
| 3 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 0.84789 | 120.50 | 120.50 |
| 3 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 0.84789 | 158.78 | 158.78 |
| 4 | PHSX_SLE | 1.0000 | 0.00000 | 0.84789 | 102.17 | 102.17 |
| 4 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 0.84789 | 113.25 | 113.25 |
| 4 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 0.84789 | 150.08 | 150.08 |
| 5 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 17.26 | 17.26 |
| 5 | PHSX_SLE | 1.0000 | 0.00000 | 1.10627 | 93.52 | 93.52 |
| 5 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 17.82 | 17.82 |
| 5 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | 104.57 | 104.57 |
| 5 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 16.70 | 16.70 |
| 5 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 18.65 | 18.65 |
| 5 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | 139.63 | 139.63 |
| 5 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 15.88 | 15.88 |
| 6 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 46.27 | 46.27 |
| 6 | PHSX_SLE | 1.0000 | 0.00000 | 1.10627 | 82.18 | 82.18 |
| 6 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 47.76 | 47.76 |
| 6 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | 92.96 | 92.96 |
| 6 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 44.78 | 44.78 |
| 6 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 49.98 | 49.98 |
| 6 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | 125.36 | 125.36 |
| 6 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 42.56 | 42.56 |
| 7 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 67.81 | 67.81 |
| 7 | PHSX_SLE | 1.0000 | 0.00000 | 1.10627 | 69.81 | 69.81 |
| 7 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 70.00 | 70.00 |
| 7 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | 80.05 | 80.05 |
| 7 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 65.62 | 65.62 |
| 7 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 73.25 | 73.25 |
| 7 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | 109.18 | 109.18 |
| 7 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 62.37 | 62.37 |
| 8 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 82.35 | 82.35 |
| 8 | PHSX_SLE | 1.0000 | 0.00000 | 1.10627 | 57.30 | 57.30 |
| 8 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 85.00 | 85.00 |
| 8 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | 66.75 | 66.75 |
| 8 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 79.69 | 79.69 |
| 8 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 88.95 | 88.95 |
| 8 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | 92.22 | 92.22 |
| 8 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 75.74 | 75.74 |
| 9 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 90.79 | 90.79 |
| 9 | PHSX_SLE | 1.0000 | 0.00000 | 1.10627 | 45.33 | 45.33 |
| 9 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 93.72 | 93.72 |
| 9 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | 53.76 | 53.76 |
| 9 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 87.86 | 87.86 |

**Table: Frame Loads - Distributed, Part 2 of 3**

| Frame | LoadPat | RelDistB | AbsDistA | AbsDistB | FOverLA | FOverLB |
|---|---|---|---|---|---|---|
| | | | m | m | KN/m | KN/m |
| 9 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 98.08 | 98.08 |
| 9 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | 75.32 | 75.32 |
| 9 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 83.51 | 83.51 |
| 10 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 94.44 | 94.44 |
| 10 | PHSX_SLE | 1.0000 | 0.00000 | 1.10627 | 34.40 | 34.40 |
| 10 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 97.49 | 97.49 |
| 10 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | 41.59 | 41.59 |
| 10 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 91.40 | 91.40 |
| 10 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 102.02 | 102.02 |
| 10 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | 59.15 | 59.15 |
| 10 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 86.86 | 86.86 |
| 11 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 94.81 | 94.81 |
| 11 | PHSX_SLE | 1.0000 | 0.00000 | 1.10627 | 24.78 | 24.78 |
| 11 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 97.87 | 97.87 |
| 11 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | 30.57 | 30.57 |
| 11 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 91.76 | 91.76 |
| 11 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 102.42 | 102.42 |
| 11 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | 44.12 | 44.12 |
| 11 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 87.20 | 87.20 |
| 12 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 93.50 | 93.50 |
| 12 | PHSX_SLE | 1.0000 | 0.00000 | 1.10627 | 16.51 | 16.51 |
| 12 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 96.51 | 96.51 |
| 12 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | 20.76 | 20.76 |
| 12 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 90.48 | 90.48 |
| 12 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 101.00 | 101.00 |
| 12 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | 30.36 | 30.36 |
| 12 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 85.99 | 85.99 |
| 13 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 91.79 | 91.79 |
| 13 | PHSX_SLE | 1.0000 | 0.00000 | 1.10627 | 9.40 | 9.40 |
| 13 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 94.75 | 94.75 |
| 13 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | 11.98 | 11.98 |
| 13 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 88.83 | 88.83 |
| 13 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 99.16 | 99.16 |
| 13 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | 17.71 | 17.71 |
| 13 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 84.43 | 84.43 |
| 14 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 90.72 | 90.72 |
| 14 | PHSX_SLE | 1.0000 | 0.00000 | 1.10627 | 3.04 | 3.04 |
| 14 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 93.65 | 93.65 |
| 14 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | 3.91 | 3.91 |
| 14 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 87.79 | 87.79 |
| 14 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 98.00 | 98.00 |
| 14 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | 5.81 | 5.81 |
| 14 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 83.44 | 83.44 |
| 15 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 90.72 | 90.72 |
| 15 | PHDX_SLE | 1.0000 | 0.00000 | 1.10627 | -3.04 | -3.04 |
| 15 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 93.65 | 93.65 |
| 15 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | -2.17 | -2.17 |
| 15 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 87.79 | 87.79 |

**Table: Frame Loads - Distributed, Part 2 of 3**

| Frame | LoadPat | RelDistB | AbsDistA | AbsDistB | FOverLA | FOverLB |
|---|---|---|---|---|---|---|
| | | | m | m | KN/m | KN/m |
| 15 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 98.00 | 98.00 |
| 15 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | -1.49 | -1.49 |
| 15 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 83.44 | 83.44 |
| 16 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 91.79 | 91.79 |
| 16 | PHDX_SLE | 1.0000 | 0.00000 | 1.10627 | -9.40 | -9.40 |
| 16 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 94.75 | 94.75 |
| 16 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | -6.81 | -6.81 |
| 16 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 88.83 | 88.83 |
| 16 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 99.16 | 99.16 |
| 16 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | -4.83 | -4.83 |
| 16 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 84.43 | 84.43 |
| 17 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 93.50 | 93.50 |
| 17 | PHDX_SLE | 1.0000 | 0.00000 | 1.10627 | -16.51 | -16.51 |
| 17 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 96.51 | 96.51 |
| 17 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | -12.27 | -12.27 |
| 17 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 90.48 | 90.48 |
| 17 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 101.00 | 101.00 |
| 17 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | -9.25 | -9.25 |
| 17 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 85.99 | 85.99 |
| 18 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 94.81 | 94.81 |
| 18 | PHDX_SLE | 1.0000 | 0.00000 | 1.10627 | -24.78 | -24.78 |
| 18 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 97.87 | 97.87 |
| 18 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | -18.98 | -18.98 |
| 18 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 91.76 | 91.76 |
| 18 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 102.42 | 102.42 |
| 18 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | -15.30 | -15.30 |
| 18 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 87.20 | 87.20 |
| 19 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 94.44 | 94.44 |
| 19 | PHDX_SLE | 1.0000 | 0.00000 | 1.10627 | -34.40 | -34.40 |
| 19 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 97.49 | 97.49 |
| 19 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | -27.20 | -27.20 |
| 19 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 91.40 | 91.40 |
| 19 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 102.02 | 102.02 |
| 19 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | -23.33 | -23.33 |
| 19 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 86.86 | 86.86 |
| 20 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 90.79 | 90.79 |
| 20 | PHDX_SLE | 1.0000 | 0.00000 | 1.10627 | -45.33 | -45.33 |
| 20 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 93.72 | 93.72 |
| 20 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | -36.90 | -36.90 |
| 20 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 87.86 | 87.86 |
| 20 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 98.08 | 98.08 |
| 20 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | -33.38 | -33.38 |
| 20 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 83.51 | 83.51 |
| 21 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 82.35 | 82.35 |
| 21 | PHDX_SLE | 1.0000 | 0.00000 | 1.10627 | -57.30 | -57.30 |
| 21 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 85.00 | 85.00 |
| 21 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | -47.85 | -47.85 |
| 21 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 79.69 | 79.69 |

**Table: Frame Loads - Distributed, Part 2 of 3**

| Frame | LoadPat | RelDistB | AbsDistA | AbsDistB | FOverLA | FOverLB |
|---|---|---|---|---|---|---|
| | | | m | m | KN/m | KN/m |
| 21 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 88.95 | 88.95 |
| 21 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | -45.19 | -45.19 |
| 21 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 75.74 | 75.74 |
| 22 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 67.81 | 67.81 |
| 22 | PHDX_SLE | 1.0000 | 0.00000 | 1.10627 | -69.81 | -69.81 |
| 22 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 70.00 | 70.00 |
| 22 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | -59.57 | -59.57 |
| 22 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 65.62 | 65.62 |
| 22 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 73.25 | 73.25 |
| 22 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | -58.22 | -58.22 |
| 22 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 62.37 | 62.37 |
| 23 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 46.27 | 46.27 |
| 23 | PHDX_SLE | 1.0000 | 0.00000 | 1.10627 | -82.18 | -82.18 |
| 23 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 47.76 | 47.76 |
| 23 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | -71.40 | -71.40 |
| 23 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 44.78 | 44.78 |
| 23 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 49.98 | 49.98 |
| 23 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | -71.72 | -71.72 |
| 23 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 42.56 | 42.56 |
| 24 | PV_SLE | 1.0000 | 0.00000 | 1.10627 | 17.26 | 17.26 |
| 24 | PHDX_SLE | 1.0000 | 0.00000 | 1.10627 | -93.52 | -93.52 |
| 24 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 17.82 | 17.82 |
| 24 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.10627 | -82.47 | -82.47 |
| 24 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 16.70 | 16.70 |
| 24 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.10627 | 18.65 | 18.65 |
| 24 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.10627 | -84.64 | -84.64 |
| 24 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.10627 | 15.88 | 15.88 |
| 25 | PHDX_SLE | 1.0000 | 0.00000 | 0.84789 | -102.17 | -102.17 |
| 25 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 0.84789 | -91.09 | -91.09 |
| 25 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 0.84789 | -94.92 | -94.92 |
| 26 | PHDX_SLE | 1.0000 | 0.00000 | 0.84789 | -109.42 | -109.42 |
| 26 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 0.84789 | -98.34 | -98.34 |
| 26 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 0.84789 | -103.62 | -103.62 |
| 27 | PHDX_SLE | 1.0000 | 0.00000 | 0.84789 | -116.58 | -116.58 |
| 27 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 0.84789 | -105.50 | -105.50 |
| 27 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 0.84789 | -112.20 | -112.20 |
| 28 | PHDX_SLE | 1.0000 | 0.00000 | 1.02176 | -124.60 | -124.60 |
| 28 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.02176 | -113.52 | -113.52 |
| 28 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.02176 | -121.82 | -121.82 |

## Table: Frame Loads - Distributed, Part 3 of 3

**Table: Frame Loads - Distributed, Part 3 of 3**

| Frame | LoadPat | GUID |
|---|---|---|
| 1 | PHSX_SLE | |
| 1 | PHSX_SLE_SISMA | |
| 1 | PHSX_SLU_SISMA | |
| 2 | PHSX_SLE | |
| 2 | PHSX_SLE_SISMA | |
| 2 | PHSX_SLU_SISMA | |
| 3 | PHSX_SLE | |

**Table: Frame Loads - Distributed, Part 3 of 3**

| Frame | LoadPat | GUID |
|---|---|---|
| 3 | PHSX_SLE_SISMA | |
| 3 | PHSX_SLU_SISMA | |
| 4 | PHSX_SLE | |
| 4 | PHSX_SLE_SISMA | |
| 4 | PHSX_SLU_SISMA | |
| 5 | PV_SLE | |
| 5 | PHSX_SLE | |
| 5 | PV_SLE_SISMA_DOWN | |
| 5 | PHSX_SLE_SISMA | |
| 5 | PV_SLE_SISMA_UP | |
| 5 | PV_SLU_SISMA_DOWN | |
| 5 | PHSX_SLU_SISMA | |
| 5 | PV_SLU_SISMA_UP | |
| 6 | PV_SLE | |
| 6 | PHSX_SLE | |
| 6 | PV_SLE_SISMA_DOWN | |
| 6 | PHSX_SLE_SISMA | |
| 6 | PV_SLE_SISMA_UP | |
| 6 | PV_SLU_SISMA_DOWN | |
| 6 | PHSX_SLU_SISMA | |
| 6 | PV_SLU_SISMA_UP | |
| 7 | PV_SLE | |
| 7 | PHSX_SLE | |
| 7 | PV_SLE_SISMA_DOWN | |
| 7 | PHSX_SLE_SISMA | |
| 7 | PV_SLE_SISMA_UP | |
| 7 | PV_SLU_SISMA_DOWN | |
| 7 | PHSX_SLU_SISMA | |
| 7 | PV_SLU_SISMA_UP | |
| 8 | PV_SLE | |
| 8 | PHSX_SLE | |
| 8 | PV_SLE_SISMA_DOWN | |
| 8 | PHSX_SLE_SISMA | |
| 8 | PV_SLE_SISMA_UP | |
| 8 | PV_SLU_SISMA_DOWN | |
| 8 | PHSX_SLU_SISMA | |
| 8 | PV_SLU_SISMA_UP | |
| 9 | PV_SLE | |
| 9 | PHSX_SLE | |
| 9 | PV_SLE_SISMA_DOWN | |
| 9 | PHSX_SLE_SISMA | |
| 9 | PV_SLE_SISMA_UP | |
| 9 | PV_SLU_SISMA_DOWN | |
| 9 | PHSX_SLU_SISMA | |
| 9 | PV_SLU_SISMA_UP | |
| 10 | PV_SLE | |
| 10 | PHSX_SLE | |
| 10 | PV_SLE_SISMA_DOWN | |
| 10 | PHSX_SLE_SISMA | |
| 10 | PV_SLE_SISMA_UP | |

**Table: Frame Loads - Distributed, Part 3 of 3**

| Frame | LoadPat | GUID |
|---|---|---|
| 10 | PV_SLU_SISMA_DOWN | |
| 10 | PHSX_SLU_SISMA | |
| 10 | PV_SLU_SISMA_UP | |
| 11 | PV_SLE | |
| 11 | PHSX_SLE | |
| 11 | PV_SLE_SISMA_DOWN | |
| 11 | PHSX_SLE_SISMA | |
| 11 | PV_SLE_SISMA_UP | |
| 11 | PV_SLU_SISMA_DOWN | |
| 11 | PHSX_SLU_SISMA | |
| 11 | PV_SLU_SISMA_UP | |
| 12 | PV_SLE | |
| 12 | PHSX_SLE | |
| 12 | PV_SLE_SISMA_DOWN | |
| 12 | PHSX_SLE_SISMA | |
| 12 | PV_SLE_SISMA_UP | |
| 12 | PV_SLU_SISMA_DOWN | |
| 12 | PHSX_SLU_SISMA | |
| 12 | PV_SLU_SISMA_UP | |
| 13 | PV_SLE | |
| 13 | PHSX_SLE | |
| 13 | PV_SLE_SISMA_DOWN | |
| 13 | PHSX_SLE_SISMA | |
| 13 | PV_SLE_SISMA_UP | |
| 13 | PV_SLU_SISMA_DOWN | |
| 13 | PHSX_SLU_SISMA | |
| 13 | PV_SLU_SISMA_UP | |
| 14 | PV_SLE | |
| 14 | PHSX_SLE | |
| 14 | PV_SLE_SISMA_DOWN | |
| 14 | PHSX_SLE_SISMA | |
| 14 | PV_SLE_SISMA_UP | |
| 14 | PV_SLU_SISMA_DOWN | |
| 14 | PHSX_SLU_SISMA | |
| 14 | PV_SLU_SISMA_UP | |
| 15 | PV_SLE | |
| 15 | PHDX_SLE | |
| 15 | PV_SLE_SISMA_DOWN | |
| 15 | PHDX_SLE_SISMA | |
| 15 | PV_SLE_SISMA_UP | |
| 15 | PV_SLU_SISMA_DOWN | |
| 15 | PHDX_SLU_SISMA | |
| 15 | PV_SLU_SISMA_UP | |
| 16 | PV_SLE | |
| 16 | PHDX_SLE | |
| 16 | PV_SLE_SISMA_DOWN | |
| 16 | PHDX_SLE_SISMA | |
| 16 | PV_SLE_SISMA_UP | |

**Table: Frame Loads - Distributed, Part 3 of 3**

| Frame | LoadPat | GUID |
|---|---|---|
| 16 | PV_SLU_SISMA_DOWN | |
| 16 | PHDX_SLU_SISMA | |
| 16 | PV_SLU_SISMA_UP | |
| 17 | PV_SLE | |
| 17 | PHDX_SLE | |
| 17 | PV_SLE_SISMA_DOWN | |
| 17 | PHDX_SLE_SISMA | |
| 17 | PV_SLE_SISMA_UP | |
| 17 | PV_SLU_SISMA_DOWN | |
| 17 | PHDX_SLU_SISMA | |
| 17 | PV_SLU_SISMA_UP | |
| 18 | PV_SLE | |
| 18 | PHDX_SLE | |
| 18 | PV_SLE_SISMA_DOWN | |
| 18 | PHDX_SLE_SISMA | |
| 18 | PV_SLE_SISMA_UP | |
| 18 | PV_SLU_SISMA_DOWN | |
| 18 | PHDX_SLU_SISMA | |
| 18 | PV_SLU_SISMA_UP | |
| 19 | PV_SLE | |
| 19 | PHDX_SLE | |
| 19 | PV_SLE_SISMA_DOWN | |
| 19 | PHDX_SLE_SISMA | |
| 19 | PV_SLE_SISMA_UP | |
| 19 | PV_SLU_SISMA_DOWN | |
| 19 | PHDX_SLU_SISMA | |
| 19 | PV_SLU_SISMA_UP | |
| 20 | PV_SLE | |
| 20 | PHDX_SLE | |
| 20 | PV_SLE_SISMA_DOWN | |
| 20 | PHDX_SLE_SISMA | |
| 20 | PV_SLE_SISMA_UP | |
| 20 | PV_SLU_SISMA_DOWN | |
| 20 | PHDX_SLU_SISMA | |
| 20 | PV_SLU_SISMA_UP | |
| 21 | PV_SLE | |
| 21 | PHDX_SLE | |
| 21 | PV_SLE_SISMA_DOWN | |
| 21 | PHDX_SLE_SISMA | |
| 21 | PV_SLE_SISMA_UP | |
| 21 | PV_SLU_SISMA_DOWN | |
| 21 | PHDX_SLU_SISMA | |
| 21 | PV_SLU_SISMA_UP | |
| 22 | PV_SLE | |
| 22 | PHDX_SLE | |
| 22 | PV_SLE_SISMA_DOWN | |
| 22 | PHDX_SLE_SISMA | |
| 22 | PV_SLE_SISMA_UP | |

**Table: Frame Loads - Distributed, Part 3 of 3**

| Frame | LoadPat | GUID |
|---|---|---|
| 22 | PV_SLU_SISMA_DOWN | |
| 22 | PHDX_SLU_SISMA | |
| 22 | PV_SLU_SISMA_UP | |
| 23 | PV_SLE | |
| 23 | PHDX_SLE | |
| 23 | PV_SLE_SISMA_DOWN | |
| 23 | PHDX_SLE_SISMA | |
| 23 | PV_SLE_SISMA_UP | |
| 23 | PV_SLU_SISMA_DOWN | |
| 23 | PHDX_SLU_SISMA | |
| 23 | PV_SLU_SISMA_UP | |
| 24 | PV_SLE | |
| 24 | PHDX_SLE | |
| 24 | PV_SLE_SISMA_DOWN | |
| 24 | PHDX_SLE_SISMA | |
| 24 | PV_SLE_SISMA_UP | |
| 24 | PV_SLU_SISMA_DOWN | |
| 24 | PHDX_SLU_SISMA | |
| 24 | PV_SLU_SISMA_UP | |
| 25 | PHDX_SLE | |
| 25 | PHDX_SLE_SISMA | |
| 25 | PHDX_SLU_SISMA | |
| 26 | PHDX_SLE | |
| 26 | PHDX_SLE_SISMA | |
| 26 | PHDX_SLU_SISMA | |
| 27 | PHDX_SLE | |
| 27 | PHDX_SLE_SISMA | |
| 27 | PHDX_SLU_SISMA | |
| 28 | PHDX_SLE | |
| 28 | PHDX_SLE_SISMA | |
| 28 | PHDX_SLU_SISMA | |

## Table: Frame Output Station Assignments

**Table: Frame Output Station Assignments**

| Frame | StationType | MinNumSta | MaxStaSpcg | AddAtElmInt | AddAtPtLoad |
|---|---|---|---|---|---|
| | | | m | | |
| 1 | MinNumSta | 3 | | Yes | Yes |
| 2 | MinNumSta | 3 | | Yes | Yes |
| 3 | MinNumSta | 3 | | Yes | Yes |
| 4 | MinNumSta | 3 | | Yes | Yes |
| 5 | MinNumSta | 3 | | Yes | Yes |
| 6 | MinNumSta | 3 | | Yes | Yes |
| 7 | MinNumSta | 3 | | Yes | Yes |
| 8 | MinNumSta | 3 | | Yes | Yes |
| 9 | MinNumSta | 3 | | Yes | Yes |
| 10 | MinNumSta | 3 | | Yes | Yes |
| 11 | MinNumSta | 3 | | Yes | Yes |
| 12 | MinNumSta | 3 | | Yes | Yes |
| 13 | MinNumSta | 3 | | Yes | Yes |
| 14 | MinNumSta | 3 | | Yes | Yes |
| 15 | MinNumSta | 3 | | Yes | Yes |
| 16 | MinNumSta | 3 | | Yes | Yes |

**Table: Frame Output Station Assignments**

| Frame | StationType | MinNumSta | MaxStaSpcgm | AddAtElmInt | AddAtPtLoad |
|---|---|---|---|---|---|
| 17 | MinNumSta | 3 | | Yes | Yes |
| 18 | MinNumSta | 3 | | Yes | Yes |
| 19 | MinNumSta | 3 | | Yes | Yes |
| 20 | MinNumSta | 3 | | Yes | Yes |
| 21 | MinNumSta | 3 | | Yes | Yes |
| 22 | MinNumSta | 3 | | Yes | Yes |
| 23 | MinNumSta | 3 | | Yes | Yes |
| 24 | MinNumSta | 3 | | Yes | Yes |
| 25 | MinNumSta | 3 | | Yes | Yes |
| 26 | MinNumSta | 3 | | Yes | Yes |
| 27 | MinNumSta | 3 | | Yes | Yes |
| 28 | MinNumSta | 3 | | Yes | Yes |
| 29 | MaxStaSpcg | | 0.50000 | Yes | Yes |
| 30 | MaxStaSpcg | | 0.50000 | Yes | Yes |
| 31 | MinNumSta | 3 | | Yes | Yes |
| 32 | MinNumSta | 3 | | Yes | Yes |
| 33 | MinNumSta | 3 | | Yes | Yes |
| 34 | MinNumSta | 3 | | Yes | Yes |
| 35 | MinNumSta | 3 | | Yes | Yes |
| 36 | MinNumSta | 3 | | Yes | Yes |
| 37 | MinNumSta | 3 | | Yes | Yes |
| 38 | MinNumSta | 3 | | Yes | Yes |
| 39 | MinNumSta | 3 | | Yes | Yes |
| 40 | MinNumSta | 3 | | Yes | Yes |
| 41 | MinNumSta | 3 | | Yes | Yes |
| 42 | MinNumSta | 3 | | Yes | Yes |
| 43 | MaxStaSpcg | | 0.50000 | Yes | Yes |
| 44 | MaxStaSpcg | | 0.50000 | Yes | Yes |
| 45 | MinNumSta | 3 | | Yes | Yes |
| 46 | MinNumSta | 3 | | Yes | Yes |

## Table: Frame Release Assignments 1 - General, Part 1 of 2

**Table: Frame Release Assignments 1 - General, Part 1 of 2**

| Frame | PI | V2I | V3I | TI | M2I | M3I | PJ | V2J |
|---|---|---|---|---|---|---|---|---|
| 45 | No | No | No | No | No | Yes | No | No |
| 46 | No | No | No | No | No | Yes | No | No |

## Table: Frame Release Assignments 1 - General, Part 2 of 2

**Table: Frame Release Assignments 1 - General, Part 2 of 2**

| Frame | V3J | TJ | M2J | M3J | PartialFix |
|---|---|---|---|---|---|
| 45 | No | No | No | Yes | No |
| 46 | No | No | No | Yes | No |

## Table: Frame Section Assignments, Part 1 of 2

**Table: Frame Section Assignments, Part 1 of 2**

| Frame | SectionType | AutoSelect | AnalSect | DesignSect | MatProp |
|---|---|---|---|---|---|
| 1 | Nonprismatic | N.A. | 228_172 | 228_172 | Default |
| 2 | Nonprismatic | N.A. | 172_142 | 172_142 | Default |
| 3 | Nonprismatic | N.A. | 142_126 | 142_126 | Default |

**Table: Frame Section Assignments, Part 1 of 2**

| Frame | SectionType | AutoSelect | AnalSect | DesignSect | MatProp |
|---|---|---|---|---|---|
| 4 | Nonprismatic | N.A. | 126_120 | 126_120 | Default |
| 5 | Nonprismatic | N.A. | 120_129 | 120_129 | Default |
| 6 | Nonprismatic | N.A. | 129_162 | 129_162 | Default |
| 7 | Nonprismatic | N.A. | 162_218 | 162_218 | Default |
| 8 | Nonprismatic | N.A. | 218_191 | 218_191 | Default |
| 9 | Nonprismatic | N.A. | 191_146 | 191_146 | Default |
| 10 | Nonprismatic | N.A. | 146_123 | 146_123 | Default |
| 11 | Nonprismatic | N.A. | 123_120 | 123_120 | Default |
| 12 | Rectangular | N.A. | 120 | 120 | Default |
| 13 | Rectangular | N.A. | 120 | 120 | Default |
| 14 | Rectangular | N.A. | 120 | 120 | Default |
| 15 | Rectangular | N.A. | 120 | 120 | Default |
| 16 | Rectangular | N.A. | 120 | 120 | Default |
| 17 | Rectangular | N.A. | 120 | 120 | Default |
| 18 | Nonprismatic | N.A. | 120_123 | 120_123 | Default |
| 19 | Nonprismatic | N.A. | 123_146 | 123_146 | Default |
| 20 | Nonprismatic | N.A. | 146_191 | 146_191 | Default |
| 21 | Nonprismatic | N.A. | 191_218 | 191_218 | Default |
| 22 | Nonprismatic | N.A. | 218_162 | 218_162 | Default |
| 23 | Nonprismatic | N.A. | 162_129 | 162_129 | Default |
| 24 | Nonprismatic | N.A. | 129_120 | 129_120 | Default |
| 25 | Nonprismatic | N.A. | 120_126 | 120_126 | Default |
| 26 | Nonprismatic | N.A. | 126_142 | 126_142 | Default |
| 27 | Nonprismatic | N.A. | 142_172 | 142_172 | Default |
| 28 | Nonprismatic | N.A. | 172_228 | 172_228 | Default |
| 29 | Rectangular | N.A. | 100 | 100 | Default |
| 30 | Rectangular | N.A. | 100 | 100 | Default |
| 31 | Rectangular | N.A. | 100 | 100 | Default |
| 32 | Rectangular | N.A. | 100 | 100 | Default |
| 33 | Rectangular | N.A. | 100 | 100 | Default |
| 34 | Rectangular | N.A. | 100 | 100 | Default |
| 35 | Rectangular | N.A. | 100 | 100 | Default |
| 36 | Rectangular | N.A. | 100 | 100 | Default |
| 37 | Rectangular | N.A. | 100 | 100 | Default |
| 38 | Rectangular | N.A. | 100 | 100 | Default |
| 39 | Rectangular | N.A. | 100 | 100 | Default |
| 40 | Rectangular | N.A. | 100 | 100 | Default |
| 41 | Rectangular | N.A. | 100 | 100 | Default |
| 42 | Rectangular | N.A. | 100 | 100 | Default |
| 43 | Rectangular | N.A. | 100 | 100 | Default |
| 44 | Rectangular | N.A. | 100 | 100 | Default |
| 45 | Rectangular | N.A. | 100 | 100 | Default |
| 46 | Rectangular | N.A. | 100 | 100 | Default |

## Table: Frame Section Assignments, Part 2 of 2

**Table: Frame Section Assignments, Part 2 of 2**

| Frame | NPSectType | NPSectLen | NPSectRD |
|---|---|---|---|
| | | m | |
| 1 | Default | | |
| 2 | Default | | |
| 3 | Default | | |
| 4 | Default | | |
| 5 | Default | | |
| 6 | Default | | |
| 7 | Default | | |
| 8 | Default | | |
| 9 | Default | | |

**Table: Frame Section Assignments, Part 2 of 2**

| Frame | NPSectType | NPSectLen | NPSectRD |
|---|---|---|---|
| | | m | |
| 10 | Default | | |
| 11 | Default | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | Default | | |
| 19 | Default | | |
| 20 | Default | | |
| 21 | Default | | |
| 22 | Default | | |
| 23 | Default | | |
| 24 | Default | | |
| 25 | Default | | |
| 26 | Default | | |
| 27 | Default | | |
| 28 | Default | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |

## Table: Frame Section Properties 01 - General, Part 1 of 5

**Table: Frame Section Properties 01 - General, Part 1 of 5**

| SectionName | Material | Shape | t3 | t2 | Area | TorsConst |
|---|---|---|---|---|---|---|
| | | | m | m | m2 | m4 |
| 100 | CONC Rck 30 MPa | Rectangular | 1.000000 | 1.000000 | 1.000000 | 0.140833 |
| 120 | CONC Rck 30 MPa | Rectangular | 1.200000 | 1.000000 | 1.200000 | 0.198439 |
| 120_123 | | Nonprismatic | | | | |
| 120_126 | | Nonprismatic | | | | |
| 120_129 | | Nonprismatic | | | | |
| 123 | CONC Rck 30 MPa | Rectangular | 1.230000 | 1.000000 | 1.230000 | 0.207646 |
| 123_120 | | Nonprismatic | | | | |
| 123_146 | | Nonprismatic | | | | |
| 126 | CONC Rck 30 MPa | Rectangular | 1.260000 | 1.000000 | 1.260000 | 0.216943 |
| 126_120 | | Nonprismatic | | | | |
| 126_142 | | Nonprismatic | | | | |
| 129 | CONC Rck 30 MPa | Rectangular | 1.290000 | 1.000000 | 1.290000 | 0.226319 |
| 129_120 | | Nonprismatic | | | | |
| 129_162 | | Nonprismatic | | | | |
| 142 | CONC Rck 30 MPa | Rectangular | 1.420000 | 1.000000 | 1.420000 | 0.267637 |

**Table: Frame Section Properties 01 - General, Part 1 of 5**

| SectionName | Material | Shape | t3 | t2 | Area | TorsConst |
|---|---|---|---|---|---|---|
| | | | m | m | m2 | m4 |
| 142_126 | | Nonprismatic | | | | |
| 142_172 | | Nonprismatic | | | | |
| 146 | CONC Rck 30 MPa | Rectangular | 1.460000 | 1.000000 | 1.460000 | 0.280518 |
| 146_123 | | Nonprismatic | | | | |
| 146_191 | | Nonprismatic | | | | |
| 162 | CONC Rck 30 MPa | Rectangular | 1.620000 | 1.000000 | 1.620000 | 0.332541 |
| 162_129 | | Nonprismatic | | | | |
| 162_218 | | Nonprismatic | | | | |
| 172 | CONC Rck 30 MPa | Rectangular | 1.720000 | 1.000000 | 1.720000 | 0.365333 |
| 172_142 | | Nonprismatic | | | | |
| 172_228 | | Nonprismatic | | | | |
| 191 | CONC Rck 30 MPa | Rectangular | 1.910000 | 1.000000 | 1.910000 | 0.427982 |
| 191_146 | | Nonprismatic | | | | |
| 191_218 | | Nonprismatic | | | | |
| 218 | CONC Rck 30 MPa | Rectangular | 2.180000 | 1.000000 | 2.180000 | 0.517442 |
| 218_162 | | Nonprismatic | | | | |
| 218_191 | | Nonprismatic | | | | |
| 228 | CONC Rck 30 MPa | Rectangular | 2.280000 | 1.000000 | 2.280000 | 0.550648 |
| 228_172 | | Nonprismatic | | | | |

## Table: Frame Section Properties 01 - General, Part 2 of 5

**Table: Frame Section Properties 01 - General, Part 2 of 5**

| SectionName | I33 | I22 | AS2 | AS3 | S33 | S22 | Z33 |
|---|---|---|---|---|---|---|---|
| | m4 | m4 | m2 | m2 | m3 | m3 | m3 |
| 100 | 0.083333 | 0.083333 | 0.833333 | 0.833333 | 0.166667 | 0.166667 | 0.250000 |
| 120 | 0.144000 | 0.100000 | 1.000000 | 1.000000 | 0.240000 | 0.200000 | 0.360000 |
| 120_123 | | | | | | | |
| 120_126 | | | | | | | |
| 120_129 | | | | | | | |
| 123 | 0.155072 | 0.102500 | 1.025000 | 1.025000 | 0.252150 | 0.205000 | 0.378225 |
| 123_120 | | | | | | | |
| 123_146 | | | | | | | |
| 126 | 0.166698 | 0.105000 | 1.050000 | 1.050000 | 0.264600 | 0.210000 | 0.396900 |
| 126_120 | | | | | | | |
| 126_142 | | | | | | | |
| 129 | 0.178891 | 0.107500 | 1.075000 | 1.075000 | 0.277350 | 0.215000 | 0.416025 |
| 129_120 | | | | | | | |
| 129_162 | | | | | | | |
| 142 | 0.238607 | 0.118333 | 1.183333 | 1.183333 | 0.336067 | 0.236667 | 0.504100 |
| 142_126 | | | | | | | |
| 142_172 | | | | | | | |
| 146 | 0.259345 | 0.121667 | 1.216667 | 1.216667 | 0.355267 | 0.243333 | 0.532900 |
| 146_123 | | | | | | | |
| 146_191 | | | | | | | |
| 162 | 0.354294 | 0.135000 | 1.350000 | 1.350000 | 0.437400 | 0.270000 | 0.656100 |
| 162_129 | | | | | | | |
| 162_218 | | | | | | | |
| 172 | 0.424037 | 0.143333 | 1.433333 | 1.433333 | 0.493067 | 0.286667 | 0.739600 |
| 172_142 | | | | | | | |
| 172_228 | | | | | | | |
| 191 | 0.580656 | 0.159167 | 1.591667 | 1.591667 | 0.608017 | 0.318333 | 0.912025 |
| 191_146 | | | | | | | |
| 191_218 | | | | | | | |
| 218 | 0.863353 | 0.181667 | 1.816667 | 1.816667 | 0.792067 | 0.363333 | 1.188100 |
| 218_162 | | | | | | | |
| 218_191 | | | | | | | |
| 228 | 0.987696 | 0.190000 | 1.900000 | 1.900000 | 0.866400 | 0.380000 | 1.299600 |

**Table: Frame Section Properties 01 - General, Part 2 of 5**

| SectionName | I33 | I22 | AS2 | AS3 | S33 | S22 | Z33 |
|---|---|---|---|---|---|---|---|
| | m4 | m4 | m2 | m2 | m3 | m3 | m3 |
| 228_172 | | | | | | | |

## Table: Frame Section Properties 01 - General, Part 3 of 5

**Table: Frame Section Properties 01 - General, Part 3 of 5**

| SectionName | Z22 | R33 | R22 | ConcCol | ConcBeam | Color | TotalWt |
|---|---|---|---|---|---|---|---|
| | m3 | m | m | | | | KN |
| 100 | 0.250000 | 0.288675 | 0.288675 | Yes | No | White | 464.325 |
| 120 | 0.300000 | 0.346410 | 0.288675 | Yes | No | Blue | 199.129 |
| 120_123 | | | | | | White | |
| 120_126 | | | | | | Blue | |
| 120_129 | | | | | | White | |
| 123 | 0.307500 | 0.355070 | 0.288675 | Yes | No | White | 0.000 |
| 123_120 | | | | | | Cyan | |
| 123_146 | | | | | | Cyan | |
| 126 | 0.315000 | 0.363731 | 0.288675 | Yes | No | Blue | 0.000 |
| 126_120 | | | | | | Magenta | |
| 126_142 | | | | | | Cyan | |
| 129 | 0.322500 | 0.372391 | 0.288675 | Yes | No | Cyan | 0.000 |
| 129_120 | | | | | | Yellow | |
| 129_162 | | | | | | Blue | |
| 142 | 0.355000 | 0.409919 | 0.288675 | Yes | No | White | 0.000 |
| 142_126 | | | | | | Cyan | |
| 142_172 | | | | | | Yellow | |
| 146 | 0.365000 | 0.421466 | 0.288675 | Yes | No | Blue | 0.000 |
| 146_123 | | | | | | Blue | |
| 146_191 | | | | | | Magenta | |
| 162 | 0.405000 | 0.467654 | 0.288675 | Yes | No | Magenta | 0.000 |
| 162_129 | | | | | | Magenta | |
| 162_218 | | | | | | Cyan | |
| 172 | 0.430000 | 0.496521 | 0.288675 | Yes | No | Magenta | 0.000 |
| 172_142 | | | | | | Blue | |
| 172_228 | | | | | | White | |
| 191 | 0.477500 | 0.551370 | 0.288675 | Yes | No | Cyan | 0.000 |
| 191_146 | | | | | | White | |
| 191_218 | | | | | | Blue | |
| 218 | 0.545000 | 0.629312 | 0.288675 | Yes | No | White | 0.000 |
| 218_162 | | | | | | White | |
| 218_191 | | | | | | Magenta | |
| 228 | 0.570000 | 0.658179 | 0.288675 | Yes | No | Gray8Dark | 0.000 |
| 228_172 | | | | | | White | |

## Table: Frame Section Properties 01 - General, Part 4 of 5

**Table: Frame Section Properties 01 - General, Part 4 of 5**

| SectionName | TotalMass | FromFile | AMod | A2Mod | A3Mod | JMod | I2Mod |
|---|---|---|---|---|---|---|---|
| | KN-s2/m | | | | | | |
| 100 | 47.35 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 120 | 20.31 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 120_123 | | | | | | | |
| 120_126 | | | | | | | |
| 120_129 | | | | | | | |
| 123 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 123_120 | | | | | | | |
| 123_146 | | | | | | | |
| 126 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 126_120 | | | | | | | |

**Table: Frame Section Properties 01 - General, Part 4 of 5**

| SectionName | TotalMass KN-s2/m | FromFile | AMod | A2Mod | A3Mod | JMod | I2Mod |
|---|---|---|---|---|---|---|---|
| 126_142 | | | | | | | |
| 129 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 129_120 | | | | | | | |
| 129_162 | | | | | | | |
| 142 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 142_126 | | | | | | | |
| 142_172 | | | | | | | |
| 146 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 146_123 | | | | | | | |
| 146_191 | | | | | | | |
| 162 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 162_129 | | | | | | | |
| 162_218 | | | | | | | |
| 172 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 172_142 | | | | | | | |
| 172_228 | | | | | | | |
| 191 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 191_146 | | | | | | | |
| 191_218 | | | | | | | |
| 218 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 218_162 | | | | | | | |
| 218_191 | | | | | | | |
| 228 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 228_172 | | | | | | | |

## Table: Frame Section Properties 01 - General, Part 5 of 5

**Table: Frame Section Properties 01 - General, Part 5 of 5**

| SectionName | I3Mod | MMod | WMod | GUID | Notes |
|---|---|---|---|---|---|
| 100 | 1.000000 | 1.000000 | 1.000000 | | Added 27/10/2008 11.30.00 |
| 120 | 1.000000 | 1.000000 | 1.000000 | | Added 27/10/2008 11.30.19 |
| 120_123 | | | | | Added 30/10/2008 9.53.49 |
| 120_126 | | | | | Added 30/10/2008 9.52.17 |
| 120_129 | | | | | Added 08/03/2011 16.19.21 |
| 123 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.17.18 |
| 123_120 | | | | | Added 08/03/2011 16.21.10 |
| 123_146 | | | | | Added 29/10/2008 17.28.19 |
| 126 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.18.11 |
| 126_120 | | | | | Added 08/03/2011 16.19.05 |
| 126_142 | | | | | Added 30/10/2008 9.52.45 |
| 129 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.18.23 |
| 129_120 | | | | | Added 29/10/2008 17.27.12 |
| 129_162 | | | | | Added 08/03/2011 16.19.36 |
| 142 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.18.03 |
| 142_126 | | | | | Added 08/03/2011 16.18.47 |
| 142_172 | | | | | Added 29/10/2008 17.19.11 |
| 146 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.17.31 |
| 146_123 | | | | | Added 08/03/2011 16.20.51 |
| 146_191 | | | | | Added 29/10/2008 17.28.42 |
| 162 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.18.34 |
| 162_129 | | | | | Added 30/10/2008 9.53.16 |
| 162_218 | | | | | Added 08/03/2011 16.19.57 |
| 172 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.17.49 |
| 172_142 | | | | | Added 08/03/2011 16.18.25 |
| 172_228 | | | | | Added 08/03/2011 16.13.22 |
| 191 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.17.39 |
| 191_146 | | | | | Added 08/03/2011 16.20.32 |

**Table: Frame Section Properties 01 - General, Part 5 of 5**

| SectionName | I3Mod | MMod | WMod | GUID | Notes |
|---|---|---|---|---|---|
| 191_218 | | | | | Added 29/10/2008 17.27.51 |
| 218 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.18.43 |
| 218_162 | | | | | Added 30/10/2008 9.51.50 |
| 218_191 | | | | | Added 08/03/2011 16.20.14 |
| 228 | 1.000000 | 1.000000 | 1.000000 | | Added 27/10/2008 11.23.34 |
| 228_172 | | | | | Added 08/03/2011 16.18.06 |

## Table: Frame Section Properties 02 - Concrete Column, Part 1 of 2

**Table: Frame Section Properties 02 - Concrete Column, Part 1 of 2**

| SectionName | RebarMatL | RebarMatC | ReinfConfig | LatReinf | Cover<br>m | NumBars3Dir | NumBars2Dir | BarSizeL |
|---|---|---|---|---|---|---|---|---|
| 100 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 120 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 123 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 126 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 129 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 142 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 146 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 162 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 172 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 191 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 218 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 228 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |

## Table: Frame Section Properties 02 - Concrete Column, Part 2 of 2

**Table: Frame Section Properties 02 - Concrete Column, Part 2 of 2**

| SectionName | BarSizeC | SpacingC<br>m | NumCBars2 | NumCBars3 | ReinfType |
|---|---|---|---|---|---|
| 100 | #4 | 0.150000 | 3 | 3 | Design |
| 120 | #4 | 0.150000 | 3 | 3 | Design |
| 123 | #4 | 0.150000 | 3 | 3 | Design |
| 126 | #4 | 0.150000 | 3 | 3 | Design |
| 129 | #4 | 0.150000 | 3 | 3 | Design |
| 142 | #4 | 0.150000 | 3 | 3 | Design |
| 146 | #4 | 0.150000 | 3 | 3 | Design |
| 162 | #4 | 0.150000 | 3 | 3 | Design |
| 172 | #4 | 0.150000 | 3 | 3 | Design |
| 191 | #4 | 0.150000 | 3 | 3 | Design |
| 218 | #4 | 0.150000 | 3 | 3 | Design |
| 228 | #4 | 0.150000 | 3 | 3 | Design |

## Table: Frame Section Properties 05 - Nonprismatic, Part 1 of 2

**Table: Frame Section Properties 05 - Nonprismatic, Part 1 of 2**

| SectionName | NumSegments | SegmentNum | StartSect | EndSect | LengthType | AbsLength<br>m |
|---|---|---|---|---|---|---|
| 120_123 | 1 | 1 | 120 | 123 | Absolute | 1.00000 |
| 120_126 | 1 | 1 | 120 | 126 | Absolute | 1.00000 |
| 120_129 | 1 | 1 | 120 | 129 | Absolute | 1.00000 |
| 123_120 | 1 | 1 | 123 | 120 | Absolute | 1.00000 |
| 123_146 | 1 | 1 | 123 | 146 | Absolute | 1.00000 |
| 126_120 | 1 | 1 | 126 | 120 | Absolute | 1.00000 |

**Table: Frame Section Properties 05 - Nonprismatic, Part 1 of 2**

| SectionName | NumSegments | SegmentNum | StartSect | EndSect | LengthType | AbsLength |
|---|---|---|---|---|---|---|
| | | | | | | m |
| 126_142 | 1 | 1 | 126 | 142 | Absolute | 1.00000 |
| 129_120 | 1 | 1 | 129 | 120 | Absolute | 1.00000 |
| 129_162 | 1 | 1 | 129 | 162 | Absolute | 1.00000 |
| 142_126 | 1 | 1 | 142 | 126 | Absolute | 1.00000 |
| 142_172 | 1 | 1 | 142 | 172 | Absolute | 1.00000 |
| 146_123 | 1 | 1 | 146 | 123 | Absolute | 1.00000 |
| 146_191 | 1 | 1 | 146 | 191 | Absolute | 1.00000 |
| 162_129 | 1 | 1 | 162 | 129 | Absolute | 1.00000 |
| 162_218 | 1 | 1 | 162 | 218 | Absolute | 1.00000 |
| 172_142 | 1 | 1 | 172 | 142 | Absolute | 1.00000 |
| 172_228 | 1 | 1 | 172 | 228 | Absolute | 1.00000 |
| 191_146 | 1 | 1 | 191 | 146 | Absolute | 1.00000 |
| 191_218 | 1 | 1 | 191 | 218 | Absolute | 1.00000 |
| 218_162 | 1 | 1 | 218 | 162 | Absolute | 1.00000 |
| 218_191 | 1 | 1 | 218 | 191 | Absolute | 1.00000 |
| 228_172 | 1 | 1 | 228 | 172 | Absolute | 1.00000 |

## Table: Frame Section Properties 05 - Nonprismatic, Part 2 of 2

**Table: Frame Section Properties 05 - Nonprismatic, Part 2 of 2**

| SectionName | VarLength | EI33Var | EI22Var |
|---|---|---|---|
| 120_123 | | Linear | Linear |
| 120_126 | | Linear | Linear |
| 120_129 | | Linear | Linear |
| 123_120 | | Linear | Linear |
| 123_146 | | Linear | Linear |
| 126_120 | | Linear | Linear |
| 126_142 | | Linear | Linear |
| 129_120 | | Linear | Linear |
| 129_162 | | Linear | Linear |
| 142_126 | | Linear | Linear |
| 142_172 | | Linear | Linear |
| 146_123 | | Linear | Linear |
| 146_191 | | Linear | Linear |
| 162_129 | | Linear | Linear |
| 162_218 | | Linear | Linear |
| 172_142 | | Linear | Linear |
| 172_228 | | Linear | Linear |
| 191_146 | | Linear | Linear |
| 191_218 | | Linear | Linear |
| 218_162 | | Linear | Linear |
| 218_191 | | Linear | Linear |
| 228_172 | | Linear | Linear |

## Table: Frame Spring Assignments

**Table: Frame Spring Assignments**

| Frame | Type | Stiffness | SimpleType | Dir1Type | Dir |
|---|---|---|---|---|---|
| | | KN/m/m | | | |
| 1 | Simple | 4364.00 | Compression Only | Object Axes | 2 |
| 2 | Simple | 4364.00 | Compression Only | Object Axes | 2 |
| 3 | Simple | 4364.00 | Compression Only | Object Axes | 2 |
| 4 | Simple | 4364.00 | Compression Only | Object Axes | 2 |
| 5 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 6 | Simple | 4364.00 | Compression Only | Object Axes | -2 |

**Table: Frame Spring Assignments**

| Frame | Type | Stiffness KN/m/m | SimpleType | Dir1Type | Dir |
|---|---|---|---|---|---|
| 7 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 8 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 9 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 10 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 11 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 12 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 13 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 14 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 15 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 16 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 17 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 18 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 19 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 20 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 21 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 22 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 23 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 24 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 25 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 26 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 27 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 28 | Simple | 4364.00 | Compression Only | Object Axes | -2 |
| 29 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 30 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 31 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 32 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 33 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 34 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 35 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 36 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 37 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 38 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 39 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 40 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 41 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 42 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 43 | Simple | 4923.00 | Compression Only | Object Axes | 2 |
| 44 | Simple | 4923.00 | Compression Only | Object Axes | 2 |

## Table: Function - Plot Functions

**Table: Function - Plot Functions**

| PlotFunc | Type | DistType | Component | Mode |
|---|---|---|---|---|
| Input Energy | Energy | | Input | All |

## Table: Function - Power Spectral Density - User

**Table: Function - Power Spectral Density - User**

| Name | Frequency Cyc/sec | Value |
|---|---|---|
| UNIFPSD | 0.0000E+00 | 1.000000 |
| UNIFPSD | 1.0000E+00 | 1.000000 |

## Table: Function - Response Spectrum - User

**Table: Function - Response Spectrum - User**

| Name | Period | Accel | FuncDamp |
|---|---|---|---|
| | Sec | | |
| UNIFRS | 0.000000 | 1.000000 | 0.050000 |
| UNIFRS | 1.000000 | 1.000000 | |

## Table: Function - Steady State - User

**Table: Function - Steady State - User**

| Name | Frequency | Value |
|---|---|---|
| | Cyc/sec | |
| UNIFSS | 0.0000E+00 | 1.000000 |
| UNIFSS | 1.0000E+00 | 1.000000 |

## Table: Function - Time History - User

**Table: Function - Time History - User**

| Name | Time | Value |
|---|---|---|
| | Sec | |
| RAMPTH | 0.0000 | 0.000000 |
| RAMPTH | 1.0000 | 1.000000 |
| RAMPTH | 4.0000 | 1.000000 |
| UNIFTH | 0.0000 | 1.000000 |
| UNIFTH | 1.0000 | 1.000000 |

## Table: Grid Lines, Part 1 of 2

**Table: Grid Lines, Part 1 of 2**

| CoordSys | AxisDir | GridID | XRYZCoord | LineType | LineColor | Visible | BubbleLoc |
|---|---|---|---|---|---|---|---|
| | | | m | | | | |
| GLOBAL | X | | 8.53936 | Primary | Gray8Dark | Yes | End |
| GLOBAL | X | | 21.93936 | Primary | Gray8Dark | Yes | End |
| GLOBAL | Y | | 0.00000 | Primary | Gray8Dark | Yes | End |
| GLOBAL | Z | | 2.97494 | Primary | Gray8Dark | Yes | End |
| GLOBAL | Z | | 14.09774 | Primary | Gray8Dark | Yes | End |

## Table: Grid Lines, Part 2 of 2

**Table: Grid Lines, Part 2 of 2**

| CoordSys | AllVisible | BubbleSize |
|---|---|---|
| | | m |
| GLOBAL | Yes | 2.438400 |
| GLOBAL | | |
| GLOBAL | | |
| GLOBAL | | |
| GLOBAL | | |

## Table: Groups 1 - Definitions, Part 1 of 3

**Table: Groups 1 - Definitions, Part 1 of 3**

| GroupName | Selection | SectionCut | Steel | Concrete | Aluminum | ColdFormed | Stage |
|---|---|---|---|---|---|---|---|
| All | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| DXFIN | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| DXFIN-1 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

## Table: Groups 1 - Definitions, Part 2 of 3

**Table: Groups 1 - Definitions, Part 2 of 3**

| GroupName | Bridge | AutoSeismic | AutoWind | SelDesSteel | SelDesAlum | SelDesCold | MassWeight |
|---|---|---|---|---|---|---|---|
| All | Yes | No | No | No | No | No | Yes |
| DXFIN | Yes | No | No | No | No | No | Yes |
| DXFIN-1 | Yes | No | No | No | No | No | Yes |

## Table: Groups 1 - Definitions, Part 3 of 3

**Table: Groups 1 - Definitions, Part 3 of 3**

| GroupName | Color |
|---|---|
| All | Red |
| DXFIN | Black |
| DXFIN-1 | Black |

## Table: Groups 2 - Assignments

**Table: Groups 2 - Assignments**

| GroupName | ObjectType | ObjectLabel |
|---|---|---|
| DXFIN-1 | Frame | 1 |
| DXFIN-1 | Frame | 2 |
| DXFIN-1 | Frame | 3 |
| DXFIN-1 | Frame | 4 |
| DXFIN-1 | Frame | 5 |
| DXFIN-1 | Frame | 6 |
| DXFIN-1 | Frame | 7 |
| DXFIN-1 | Frame | 8 |
| DXFIN-1 | Frame | 9 |
| DXFIN-1 | Frame | 10 |
| DXFIN-1 | Frame | 11 |
| DXFIN-1 | Frame | 12 |
| DXFIN-1 | Frame | 13 |
| DXFIN-1 | Frame | 14 |
| DXFIN-1 | Frame | 15 |
| DXFIN-1 | Frame | 16 |
| DXFIN-1 | Frame | 17 |
| DXFIN-1 | Frame | 18 |
| DXFIN-1 | Frame | 19 |
| DXFIN-1 | Frame | 20 |
| DXFIN-1 | Frame | 21 |
| DXFIN-1 | Frame | 22 |
| DXFIN-1 | Frame | 23 |
| DXFIN-1 | Frame | 24 |
| DXFIN-1 | Frame | 25 |
| DXFIN-1 | Frame | 26 |
| DXFIN-1 | Frame | 27 |
| DXFIN-1 | Frame | 28 |
| DXFIN-1 | Frame | 29 |
| DXFIN-1 | Frame | 30 |
| DXFIN-1 | Frame | 31 |
| DXFIN-1 | Frame | 32 |
| DXFIN-1 | Frame | 33 |
| DXFIN-1 | Frame | 34 |

**Table: Groups 2 - Assignments**

| GroupName | ObjectType | ObjectLabel |
|---|---|---|
| DXFIN-1 | Frame | 35 |
| DXFIN-1 | Frame | 36 |
| DXFIN-1 | Frame | 37 |
| DXFIN-1 | Frame | 38 |
| DXFIN-1 | Frame | 39 |
| DXFIN-1 | Frame | 40 |
| DXFIN-1 | Frame | 41 |
| DXFIN-1 | Frame | 42 |
| DXFIN-1 | Frame | 43 |
| DXFIN-1 | Frame | 44 |
| DXFIN-1 | Frame | 45 |
| DXFIN-1 | Frame | 46 |

## Table: Groups 3 - Masses and Weights

**Table: Groups 3 - Masses and Weights**

| GroupName | SelfMass | SelfWeight | TotalMassX | TotalMassY | TotalMassZ |
|---|---|---|---|---|---|
| | KN-s2/m | KN | KN-s2/m | KN-s2/m | KN-s2/m |
| All | 85.55 | 838.968 | 85.55 | 85.55 | 85.55 |
| DXFIN | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 |
| DXFIN-1 | 85.55 | 838.968 | 85.55 | 85.55 | 85.55 |

## Table: Joint Coordinates, Part 1 of 2

**Table: Joint Coordinates, Part 1 of 2**

| Joint | CoordSys | CoordType | XorR | Y | Z | SpecialJt | GlobalX |
|---|---|---|---|---|---|---|---|
| | | | m | m | m | | m |
| 1 | GLOBAL | Cartesian | 19.39655 | 0.00000 | 13.71779 | No | 19.39655 |
| 2 | GLOBAL | Cartesian | 19.39655 | 0.00000 | 14.73955 | No | 19.39655 |
| 3 | GLOBAL | Cartesian | 19.39655 | 0.00000 | 15.58745 | No | 19.39655 |
| 4 | GLOBAL | Cartesian | 19.39655 | 0.00000 | 16.43534 | No | 19.39655 |
| 5 | GLOBAL | Cartesian | 19.39655 | 0.00000 | 17.28324 | No | 19.39655 |
| 6 | GLOBAL | Cartesian | 19.48334 | 0.00000 | 18.38610 | No | 19.48334 |
| 7 | GLOBAL | Cartesian | 19.74160 | 0.00000 | 19.46181 | No | 19.74160 |
| 8 | GLOBAL | Cartesian | 20.16495 | 0.00000 | 20.48387 | No | 20.16495 |
| 9 | GLOBAL | Cartesian | 20.74298 | 0.00000 | 21.42712 | No | 20.74298 |
| 10 | GLOBAL | Cartesian | 21.46144 | 0.00000 | 22.26834 | No | 21.46144 |
| 11 | GLOBAL | Cartesian | 22.30266 | 0.00000 | 22.98681 | No | 22.30266 |
| 12 | GLOBAL | Cartesian | 23.24591 | 0.00000 | 23.56483 | No | 23.24591 |
| 13 | GLOBAL | Cartesian | 24.26798 | 0.00000 | 23.98819 | No | 24.26798 |
| 14 | GLOBAL | Cartesian | 25.34368 | 0.00000 | 24.24644 | No | 25.34368 |
| 15 | GLOBAL | Cartesian | 26.44655 | 0.00000 | 24.33324 | No | 26.44655 |
| 16 | GLOBAL | Cartesian | 27.54941 | 0.00000 | 24.24644 | No | 27.54941 |
| 17 | GLOBAL | Cartesian | 28.62512 | 0.00000 | 23.98819 | No | 28.62512 |
| 18 | GLOBAL | Cartesian | 29.64718 | 0.00000 | 23.56483 | No | 29.64718 |
| 19 | GLOBAL | Cartesian | 30.59043 | 0.00000 | 22.98681 | No | 30.59043 |
| 20 | GLOBAL | Cartesian | 31.43165 | 0.00000 | 22.26834 | No | 31.43165 |
| 21 | GLOBAL | Cartesian | 32.15012 | 0.00000 | 21.42712 | No | 32.15012 |
| 22 | GLOBAL | Cartesian | 32.72814 | 0.00000 | 20.48387 | No | 32.72814 |
| 23 | GLOBAL | Cartesian | 33.15150 | 0.00000 | 19.46181 | No | 33.15150 |
| 24 | GLOBAL | Cartesian | 33.40975 | 0.00000 | 18.38610 | No | 33.40975 |
| 25 | GLOBAL | Cartesian | 33.49655 | 0.00000 | 17.28324 | No | 33.49655 |
| 26 | GLOBAL | Cartesian | 33.49655 | 0.00000 | 16.43534 | No | 33.49655 |
| 27 | GLOBAL | Cartesian | 33.49655 | 0.00000 | 15.58745 | No | 33.49655 |
| 28 | GLOBAL | Cartesian | 33.49655 | 0.00000 | 14.73955 | No | 33.49655 |
| 29 | GLOBAL | Cartesian | 33.49655 | 0.00000 | 13.71779 | No | 33.49655 |
| 30 | GLOBAL | Cartesian | 32.59666 | 0.00000 | 13.71779 | No | 32.59666 |

**Table: Joint Coordinates, Part 1 of 2**

| Joint | CoordSys | CoordType | XorR | Y | Z | SpecialJt | GlobalX |
|---|---|---|---|---|---|---|---|
| | | | m | m | m | | m |
| 31 | GLOBAL | Cartesian | 31.69677 | 0.00000 | 13.71779 | No | 31.69677 |
| 32 | GLOBAL | Cartesian | 30.86426 | 0.00000 | 13.36841 | No | 30.86426 |
| 33 | GLOBAL | Cartesian | 30.00869 | 0.00000 | 13.08004 | No | 30.00869 |
| 34 | GLOBAL | Cartesian | 29.13455 | 0.00000 | 12.85417 | No | 29.13455 |
| 35 | GLOBAL | Cartesian | 28.24638 | 0.00000 | 12.69199 | No | 28.24638 |
| 36 | GLOBAL | Cartesian | 27.34881 | 0.00000 | 12.59434 | No | 27.34881 |
| 37 | GLOBAL | Cartesian | 26.44655 | 0.00000 | 12.56174 | No | 26.44655 |
| 38 | GLOBAL | Cartesian | 25.54428 | 0.00000 | 12.59434 | No | 25.54428 |
| 39 | GLOBAL | Cartesian | 24.64672 | 0.00000 | 12.69199 | No | 24.64672 |
| 40 | GLOBAL | Cartesian | 23.75855 | 0.00000 | 12.85417 | No | 23.75855 |
| 41 | GLOBAL | Cartesian | 22.88440 | 0.00000 | 13.08004 | No | 22.88440 |
| 42 | GLOBAL | Cartesian | 22.02884 | 0.00000 | 13.36841 | No | 22.02884 |
| 43 | GLOBAL | Cartesian | 21.19632 | 0.00000 | 13.71779 | No | 21.19632 |
| 44 | GLOBAL | Cartesian | 20.29643 | 0.00000 | 13.71779 | No | 20.29643 |

## Table: Joint Coordinates, Part 2 of 2

**Table: Joint Coordinates, Part 2 of 2**

| Joint | GlobalY | GlobalZ | GUID |
|---|---|---|---|
| | m | m | |
| 1 | 0.00000 | 13.71779 | |
| 2 | 0.00000 | 14.73955 | |
| 3 | 0.00000 | 15.58745 | |
| 4 | 0.00000 | 16.43534 | |
| 5 | 0.00000 | 17.28324 | |
| 6 | 0.00000 | 18.38610 | |
| 7 | 0.00000 | 19.46181 | |
| 8 | 0.00000 | 20.48387 | |
| 9 | 0.00000 | 21.42712 | |
| 10 | 0.00000 | 22.26834 | |
| 11 | 0.00000 | 22.98681 | |
| 12 | 0.00000 | 23.56483 | |
| 13 | 0.00000 | 23.98819 | |
| 14 | 0.00000 | 24.24644 | |
| 15 | 0.00000 | 24.33324 | |
| 16 | 0.00000 | 24.24644 | |
| 17 | 0.00000 | 23.98819 | |
| 18 | 0.00000 | 23.56483 | |
| 19 | 0.00000 | 22.98681 | |
| 20 | 0.00000 | 22.26834 | |
| 21 | 0.00000 | 21.42712 | |
| 22 | 0.00000 | 20.48387 | |
| 23 | 0.00000 | 19.46181 | |
| 24 | 0.00000 | 18.38610 | |
| 25 | 0.00000 | 17.28324 | |
| 26 | 0.00000 | 16.43534 | |
| 27 | 0.00000 | 15.58745 | |
| 28 | 0.00000 | 14.73955 | |
| 29 | 0.00000 | 13.71779 | |
| 30 | 0.00000 | 13.71779 | |
| 31 | 0.00000 | 13.71779 | |
| 32 | 0.00000 | 13.36841 | |
| 33 | 0.00000 | 13.08004 | |
| 34 | 0.00000 | 12.85417 | |
| 35 | 0.00000 | 12.69199 | |
| 36 | 0.00000 | 12.59434 | |
| 37 | 0.00000 | 12.56174 | |
| 38 | 0.00000 | 12.59434 | |

**Table: Joint Coordinates, Part 2 of 2**

| Joint | GlobalY | GlobalZ | GUID |
|---|---|---|---|
| | m | m | |
| 39 | 0.00000 | 12.69199 | |
| 40 | 0.00000 | 12.85417 | |
| 41 | 0.00000 | 13.08004 | |
| 42 | 0.00000 | 13.36841 | |
| 43 | 0.00000 | 13.71779 | |
| 44 | 0.00000 | 13.71779 | |

## Table: Joint Displacements, Part 1 of 2

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 1 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 1 | SLE | NonStatic | Min | -0.001373 | 0.000000 | -0.051884 | 0.000000 | -0.000811 |
| 1 | SLE_SISMA_DOWN | NonStatic | Max | 0.004970 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 1 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.050171 | 0.000000 | -0.000136 |
| 1 | SLE_SISMA_UP | NonStatic | Max | 0.005379 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 1 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045593 | 0.000000 | -0.000039 |
| 1 | SLU_SISMA_DOWN | NonStatic | Max | 0.015201 | 0.000000 | 0.000000 | 0.000000 | 0.000847 |
| 1 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048037 | 0.000000 | 0.000000 |
| 1 | SLU_SISMA_UP | NonStatic | Max | 0.015360 | 0.000000 | 0.000000 | 0.000000 | 0.001059 |
| 1 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.037215 | 0.000000 | 0.000000 |
| 2 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 2 | SLE | NonStatic | Min | -0.002237 | 0.000000 | -0.051889 | 0.000000 | -0.000729 |
| 2 | SLE_SISMA_DOWN | NonStatic | Max | 0.004793 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 2 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.050175 | 0.000000 | -0.000050 |
| 2 | SLE_SISMA_UP | NonStatic | Max | 0.005304 | 0.000000 | 0.000000 | 0.000000 | 0.000038 |
| 2 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045597 | 0.000000 | 0.000000 |
| 2 | SLU_SISMA_DOWN | NonStatic | Max | 0.016027 | 0.000000 | 0.000000 | 0.000000 | 0.000933 |
| 2 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048040 | 0.000000 | 0.000000 |
| 2 | SLU_SISMA_UP | NonStatic | Max | 0.016413 | 0.000000 | 0.000000 | 0.000000 | 0.001126 |
| 2 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.037216 | 0.000000 | 0.000000 |
| 3 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 3 | SLE | NonStatic | Min | -0.002767 | 0.000000 | -0.051912 | 0.000000 | -0.000553 |
| 3 | SLE_SISMA_DOWN | NonStatic | Max | 0.004845 | 0.000000 | 0.000000 | 0.000000 | 0.000135 |
| 3 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.050198 | 0.000000 | 0.000000 |
| 3 | SLE_SISMA_UP | NonStatic | Max | 0.005424 | 0.000000 | 0.000000 | 0.000000 | 0.000204 |
| 3 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045618 | 0.000000 | 0.000000 |
| 3 | SLU_SISMA_DOWN | NonStatic | Max | 0.016921 | 0.000000 | 0.000000 | 0.000000 | 0.001114 |
| 3 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048063 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 3 | SLU_SISMA_UP | NonStatic | Max | 0.017452 | 0.000000 | 0.000000 | 0.000000 | 0.001261 |
| 3 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.037235 | 0.000000 | 0.000000 |
| 4 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 4 | SLE | NonStatic | Min | -0.003119 | 0.000000 | -0.051938 | 0.000000 | -0.000304 |
| 4 | SLE_SISMA_DOWN | NonStatic | Max | 0.005083 | 0.000000 | 0.000000 | 0.000000 | 0.000390 |
| 4 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.050224 | 0.000000 | 0.000000 |
| 4 | SLE_SISMA_UP | NonStatic | Max | 0.005708 | 0.000000 | 0.000000 | 0.000000 | 0.000429 |
| 4 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045642 | 0.000000 | 0.000000 |
| 4 | SLU_SISMA_DOWN | NonStatic | Max | 0.017989 | 0.000000 | 0.000000 | 0.000000 | 0.001346 |
| 4 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048089 | 0.000000 | 0.000000 |
| 4 | SLU_SISMA_UP | NonStatic | Max | 0.018614 | 0.000000 | 0.000000 | 0.000000 | 0.001421 |
| 4 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.037257 | 0.000000 | 0.000000 |
| 5 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 5 | SLE | NonStatic | Min | -0.003244 | 0.000000 | -0.051966 | 0.000000 | -0.000014 |
| 5 | SLE_SISMA_DOWN | NonStatic | Max | 0.005550 | 0.000000 | 0.000000 | 0.000000 | 0.000679 |
| 5 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.050252 | 0.000000 | 0.000000 |
| 5 | SLE_SISMA_UP | NonStatic | Max | 0.006192 | 0.000000 | 0.000000 | 0.000000 | 0.000680 |
| 5 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045668 | 0.000000 | 0.000000 |
| 5 | SLU_SISMA_DOWN | NonStatic | Max | 0.019255 | 0.000000 | 0.000000 | 0.000000 | 0.001588 |
| 5 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048118 | 0.000000 | 0.000000 |
| 5 | SLU_SISMA_UP | NonStatic | Max | 0.019905 | 0.000000 | 0.000000 | 0.000000 | 0.001574 |
| 5 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.037280 | 0.000000 | 0.000000 |
| 6 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000314 |
| 6 | SLE | NonStatic | Min | -0.003058 | 0.000000 | -0.052015 | 0.000000 | 0.000000 |
| 6 | SLE_SISMA_DOWN | NonStatic | Max | 0.006500 | 0.000000 | 0.000000 | 0.000000 | 0.000994 |
| 6 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.050361 | 0.000000 | 0.000000 |
| 6 | SLE_SISMA_UP | NonStatic | Max | 0.007116 | 0.000000 | 0.000000 | 0.000000 | 0.000951 |
| 6 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045772 | 0.000000 | 0.000000 |
| 6 | SLU_SISMA_DOWN | NonStatic | Max | 0.021171 | 0.000000 | 0.000000 | 0.000000 | 0.001828 |
| 6 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048303 | 0.000000 | 0.000000 |
| 6 | SLU_SISMA_UP | NonStatic | Max | 0.021740 | 0.000000 | 0.000000 | 0.000000 | 0.001708 |
| 6 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.037452 | 0.000000 | 0.000000 |
| 7 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000491 |
| 7 | SLE | NonStatic | Min | -0.002601 | 0.000000 | -0.052153 | 0.000000 | 0.000000 |
| 7 | SLE_SISMA_DOWN | NonStatic | Max | 0.007682 | 0.000000 | 0.000000 | 0.000000 | 0.001154 |
| 7 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.050673 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 7 | SLE_SISMA_UP | NonStatic | Max | 0.008235 | 0.000000 | 0.000000 | 0.000000 | 0.001086 |
| 7 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.046066 | 0.000000 | 0.000000 |
| 7 | SLU_SISMA_DOWN | NonStatic | Max | 0.023221 | 0.000000 | 0.000000 | 0.000000 | 0.001935 |
| 7 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048823 | 0.000000 | 0.000000 |
| 7 | SLU_SISMA_UP | NonStatic | Max | 0.023621 | 0.000000 | 0.000000 | 0.000000 | 0.001756 |
| 7 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.037927 | 0.000000 | 0.000000 |
| 8 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000552 |
| 8 | SLE | NonStatic | Min | -0.002054 | 0.000000 | -0.052400 | 0.000000 | 0.000000 |
| 8 | SLE_SISMA_DOWN | NonStatic | Max | 0.008904 | 0.000000 | 0.000000 | 0.000000 | 0.001206 |
| 8 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.051199 | 0.000000 | 0.000000 |
| 8 | SLE_SISMA_UP | NonStatic | Max | 0.009380 | 0.000000 | 0.000000 | 0.000000 | 0.001129 |
| 8 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.046559 | 0.000000 | 0.000000 |
| 8 | SLU_SISMA_DOWN | NonStatic | Max | 0.025225 | 0.000000 | 0.000000 | 0.000000 | 0.001962 |
| 8 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.049673 | 0.000000 | 0.000000 |
| 8 | SLU_SISMA_UP | NonStatic | Max | 0.025426 | 0.000000 | 0.000000 | 0.000000 | 0.001762 |
| 8 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.038691 | 0.000000 | 0.000000 |
| 9 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000583 |
| 9 | SLE | NonStatic | Min | -0.001513 | 0.000000 | -0.052749 | 0.000000 | 0.000000 |
| 9 | SLE_SISMA_DOWN | NonStatic | Max | 0.010058 | 0.000000 | 0.000000 | 0.000000 | 0.001227 |
| 9 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.051924 | 0.000000 | 0.000000 |
| 9 | SLE_SISMA_UP | NonStatic | Max | 0.010458 | 0.000000 | 0.000000 | 0.000000 | 0.001145 |
| 9 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.047236 | 0.000000 | 0.000000 |
| 9 | SLU_SISMA_DOWN | NonStatic | Max | 0.027083 | 0.000000 | 0.000000 | 0.000000 | 0.001964 |
| 9 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.050829 | 0.000000 | 0.000000 |
| 9 | SLU_SISMA_UP | NonStatic | Max | 0.027086 | 0.000000 | 0.000000 | 0.000000 | 0.001754 |
| 9 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.039723 | 0.000000 | 0.000000 |
| 10 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000606 |
| 10 | SLE | NonStatic | Min | -0.001008 | 0.000000 | -0.053200 | 0.000000 | 0.000000 |
| 10 | SLE_SISMA_DOWN | NonStatic | Max | 0.011100 | 0.000000 | 0.000000 | 0.000000 | 0.001233 |
| 10 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.052832 | 0.000000 | 0.000000 |
| 10 | SLE_SISMA_UP | NonStatic | Max | 0.011427 | 0.000000 | 0.000000 | 0.000000 | 0.001147 |
| 10 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.048082 | 0.000000 | 0.000000 |
| 10 | SLU_SISMA_DOWN | NonStatic | Max | 0.028730 | 0.000000 | 0.000000 | 0.000000 | 0.001942 |
| 10 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.052256 | 0.000000 | 0.000000 |
| 10 | SLU_SISMA_UP | NonStatic | Max | 0.028549 | 0.000000 | 0.000000 | 0.000000 | 0.001723 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 10 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.040990 | 0.000000 | 0.000000 |
| 11 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000595 |
| 11 | SLE | NonStatic | Min | -0.000572 | 0.000000 | -0.053736 | 0.000000 | 0.000000 |
| 11 | SLE_SISMA_DOWN | NonStatic | Max | 0.011976 | 0.000000 | 0.000000 | 0.000000 | 0.001191 |
| 11 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.053883 | 0.000000 | 0.000000 |
| 11 | SLE_SISMA_UP | NonStatic | Max | 0.012240 | 0.000000 | 0.000000 | 0.000000 | 0.001105 |
| 11 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.049056 | 0.000000 | 0.000000 |
| 11 | SLU_SISMA_DOWN | NonStatic | Max | 0.030095 | 0.000000 | 0.000000 | 0.000000 | 0.001856 |
| 11 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.053881 | 0.000000 | 0.000000 |
| 11 | SLU_SISMA_UP | NonStatic | Max | 0.029753 | 0.000000 | 0.000000 | 0.000000 | 0.001639 |
| 11 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.042424 | 0.000000 | 0.000000 |
| 12 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000516 |
| 12 | SLE | NonStatic | Min | -0.000249 | 0.000000 | -0.054291 | 0.000000 | 0.000000 |
| 12 | SLE_SISMA_DOWN | NonStatic | Max | 0.012631 | 0.000000 | 0.000000 | 0.000000 | 0.001073 |
| 12 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.054978 | 0.000000 | 0.000000 |
| 12 | SLE_SISMA_UP | NonStatic | Max | 0.012845 | 0.000000 | 0.000000 | 0.000000 | 0.000996 |
| 12 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.050072 | 0.000000 | 0.000000 |
| 12 | SLU_SISMA_DOWN | NonStatic | Max | 0.031116 | 0.000000 | 0.000000 | 0.000000 | 0.001698 |
| 12 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.055579 | 0.000000 | 0.000000 |
| 12 | SLU_SISMA_UP | NonStatic | Max | 0.030653 | 0.000000 | 0.000000 | 0.000000 | 0.001508 |
| 12 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.043922 | 0.000000 | 0.000000 |
| 13 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000378 |
| 13 | SLE | NonStatic | Min | -0.000065 | 0.000000 | -0.054771 | 0.000000 | 0.000000 |
| 13 | SLE_SISMA_DOWN | NonStatic | Max | 0.013043 | 0.000000 | 0.000000 | 0.000000 | 0.000902 |
| 13 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.056007 | 0.000000 | 0.000000 |
| 13 | SLE_SISMA_UP | NonStatic | Max | 0.013228 | 0.000000 | 0.000000 | 0.000000 | 0.000843 |
| 13 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.051029 | 0.000000 | 0.000000 |
| 13 | SLU_SISMA_DOWN | NonStatic | Max | 0.031784 | 0.000000 | 0.000000 | 0.000000 | 0.001508 |
| 13 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.057230 | 0.000000 | 0.000000 |
| 13 | SLU_SISMA_UP | NonStatic | Max | 0.031247 | 0.000000 | 0.000000 | 0.000000 | 0.001365 |
| 13 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045396 | 0.000000 | 0.000000 |
| 14 | SLE | NonStatic | Max | 1.650E-06 | 0.000000 | 0.000000 | 0.000000 | 0.000199 |
| 14 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.055095 | 0.000000 | 0.000000 |
| 14 | SLE_SISMA_DOWN | NonStatic | Max | 0.013241 | 0.000000 | 0.000000 | 0.000000 | 0.000700 |
| 14 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.056880 | 0.000000 | 0.000000 |
| 14 | SLE_SISMA_UP | NonStatic | Max | 0.013413 | 0.000000 | 0.000000 | 0.000000 | 0.000666 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 14 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.051850 | 0.000000 | 0.000000 |
| 14 | SLU_SISMA_DOWN | NonStatic | Max | 0.032133 | 0.000000 | 0.000000 | 0.000000 | 0.001309 |
| 14 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058749 | 0.000000 | 0.000000 |
| 14 | SLU_SISMA_UP | NonStatic | Max | 0.031565 | 0.000000 | 0.000000 | 0.000000 | 0.001226 |
| 14 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.046789 | 0.000000 | 0.000000 |
| 15 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 15 | SLE | NonStatic | Min | -1.365E-13 | 0.000000 | -0.055210 | 0.000000 | -6.705E-15 |
| 15 | SLE_SISMA_DOWN | NonStatic | Max | 0.013281 | 0.000000 | 0.000000 | 0.000000 | 0.000490 |
| 15 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.057536 | 0.000000 | 0.000000 |
| 15 | SLE_SISMA_UP | NonStatic | Max | 0.013452 | 0.000000 | 0.000000 | 0.000000 | 0.000483 |
| 15 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.052483 | 0.000000 | 0.000000 |
| 15 | SLU_SISMA_DOWN | NonStatic | Max | 0.032223 | 0.000000 | 0.000000 | 0.000000 | 0.001119 |
| 15 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.060081 | 0.000000 | 0.000000 |
| 15 | SLU_SISMA_UP | NonStatic | Max | 0.031651 | 0.000000 | 0.000000 | 0.000000 | 0.001102 |
| 15 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.048065 | 0.000000 | 0.000000 |
| 16 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 16 | SLE | NonStatic | Min | -1.650E-06 | 0.000000 | -0.055095 | 0.000000 | -0.000199 |
| 16 | SLE_SISMA_DOWN | NonStatic | Max | 0.013237 | 0.000000 | 0.000000 | 0.000000 | 0.000292 |
| 16 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.057957 | 0.000000 | 0.000000 |
| 16 | SLE_SISMA_UP | NonStatic | Max | 0.013407 | 0.000000 | 0.000000 | 0.000000 | 0.000311 |
| 16 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.052912 | 0.000000 | 0.000000 |
| 16 | SLU_SISMA_DOWN | NonStatic | Max | 0.032119 | 0.000000 | 0.000000 | 0.000000 | 0.000957 |
| 16 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.061210 | 0.000000 | 0.000000 |
| 16 | SLU_SISMA_UP | NonStatic | Max | 0.031545 | 0.000000 | 0.000000 | 0.000000 | 0.001006 |
| 16 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.049214 | 0.000000 | 0.000000 |
| 17 | SLE | NonStatic | Max | 0.000065 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 17 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.054771 | 0.000000 | -0.000378 |
| 17 | SLE_SISMA_DOWN | NonStatic | Max | 0.013175 | 0.000000 | 0.000000 | 0.000000 | 0.000126 |
| 17 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058162 | 0.000000 | 0.000000 |
| 17 | SLE_SISMA_UP | NonStatic | Max | 0.013336 | 0.000000 | 0.000000 | 0.000000 | 0.000170 |
| 17 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053153 | 0.000000 | 0.000000 |
| 17 | SLU_SISMA_DOWN | NonStatic | Max | 0.031876 | 0.000000 | 0.000000 | 0.000000 | 0.000841 |
| 17 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.062153 | 0.000000 | 0.000000 |
| 17 | SLU_SISMA_UP | NonStatic | Max | 0.031280 | 0.000000 | 0.000000 | 0.000000 | 0.000946 |
| 17 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.050244 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 18 | SLE | NonStatic | Max | 0.000249 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 18 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.054291 | 0.000000 | -0.000516 |
| 18 | SLE_SISMA_DOWN | NonStatic | Max | 0.013142 | 0.000000 | 0.000000 | 0.000000 | 0.000014 |
| 18 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058205 | 0.000000 | 0.000000 |
| 18 | SLE_SISMA_UP | NonStatic | Max | 0.013279 | 0.000000 | 0.000000 | 0.000000 | 0.000076 |
| 18 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053253 | 0.000000 | 0.000000 |
| 18 | SLU_SISMA_DOWN | NonStatic | Max | 0.031525 | 0.000000 | 0.000000 | 0.000000 | 0.000784 |
| 18 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.062951 | 0.000000 | 0.000000 |
| 18 | SLU_SISMA_UP | NonStatic | Max | 0.030873 | 0.000000 | 0.000000 | 0.000000 | 0.000931 |
| 18 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.051179 | 0.000000 | 0.000000 |
| 19 | SLE | NonStatic | Max | 0.000572 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 19 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.053736 | 0.000000 | -0.000595 |
| 19 | SLE_SISMA_DOWN | NonStatic | Max | 0.013148 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 19 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058164 | 0.000000 | -0.000029 |
| 19 | SLE_SISMA_UP | NonStatic | Max | 0.013245 | 0.000000 | 0.000000 | 0.000000 | 0.000043 |
| 19 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053278 | 0.000000 | 0.000000 |
| 19 | SLU_SISMA_DOWN | NonStatic | Max | 0.031066 | 0.000000 | 0.000000 | 0.000000 | 0.000798 |
| 19 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.063661 | 0.000000 | 0.000000 |
| 19 | SLU_SISMA_UP | NonStatic | Max | 0.030318 | 0.000000 | 0.000000 | 0.000000 | 0.000964 |
| 19 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.052045 | 0.000000 | 0.000000 |
| 20 | SLE | NonStatic | Max | 0.001008 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 20 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.053200 | 0.000000 | -0.000606 |
| 20 | SLE_SISMA_DOWN | NonStatic | Max | 0.013165 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 20 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058116 | 0.000000 | -5.450E-06 |
| 20 | SLE_SISMA_UP | NonStatic | Max | 0.013208 | 0.000000 | 0.000000 | 0.000000 | 0.000066 |
| 20 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053294 | 0.000000 | 0.000000 |
| 20 | SLU_SISMA_DOWN | NonStatic | Max | 0.030468 | 0.000000 | 0.000000 | 0.000000 | 0.000861 |
| 20 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064326 | 0.000000 | 0.000000 |
| 20 | SLU_SISMA_UP | NonStatic | Max | 0.029598 | 0.000000 | 0.000000 | 0.000000 | 0.001024 |
| 20 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.052856 | 0.000000 | 0.000000 |
| 21 | SLE | NonStatic | Max | 0.001513 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 21 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.052749 | 0.000000 | -0.000583 |
| 21 | SLE_SISMA_DOWN | NonStatic | Max | 0.013155 | 0.000000 | 0.000000 | 0.000000 | 0.000037 |
| 21 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058102 | 0.000000 | 0.000000 |
| 21 | SLE_SISMA_UP | NonStatic | Max | 0.013139 | 0.000000 | 0.000000 | 0.000000 | 0.000105 |
| 21 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053332 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 21 | SLU_SISMA_DOWN | NonStatic | Max | 0.029717 | 0.000000 | 0.000000 | 0.000000 | 0.000921 |
| 21 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064941 | 0.000000 | 0.000000 |
| 21 | SLU_SISMA_UP | NonStatic | Max | 0.028711 | 0.000000 | 0.000000 | 0.000000 | 0.001071 |
| 21 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053590 | 0.000000 | 0.000000 |
| 22 | SLE | NonStatic | Max | 0.002054 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 22 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.052400 | 0.000000 | -0.000552 |
| 22 | SLE_SISMA_DOWN | NonStatic | Max | 0.013105 | 0.000000 | 0.000000 | 0.000000 | 0.000079 |
| 22 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058113 | 0.000000 | 0.000000 |
| 22 | SLE_SISMA_UP | NonStatic | Max | 0.013025 | 0.000000 | 0.000000 | 0.000000 | 0.000142 |
| 22 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053383 | 0.000000 | 0.000000 |
| 22 | SLU_SISMA_DOWN | NonStatic | Max | 0.028825 | 0.000000 | 0.000000 | 0.000000 | 0.000969 |
| 22 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.065464 | 0.000000 | 0.000000 |
| 22 | SLU_SISMA_UP | NonStatic | Max | 0.027680 | 0.000000 | 0.000000 | 0.000000 | 0.001106 |
| 22 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.054201 | 0.000000 | 0.000000 |
| 23 | SLE | NonStatic | Max | 0.002601 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 23 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.052153 | 0.000000 | -0.000491 |
| 23 | SLE_SISMA_DOWN | NonStatic | Max | 0.013000 | 0.000000 | 0.000000 | 0.000000 | 0.000153 |
| 23 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058135 | 0.000000 | 0.000000 |
| 23 | SLE_SISMA_UP | NonStatic | Max | 0.012857 | 0.000000 | 0.000000 | 0.000000 | 0.000208 |
| 23 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053432 | 0.000000 | 0.000000 |
| 23 | SLU_SISMA_DOWN | NonStatic | Max | 0.027803 | 0.000000 | 0.000000 | 0.000000 | 0.001045 |
| 23 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.065862 | 0.000000 | 0.000000 |
| 23 | SLU_SISMA_UP | NonStatic | Max | 0.026523 | 0.000000 | 0.000000 | 0.000000 | 0.001159 |
| 23 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.054658 | 0.000000 | 0.000000 |
| 24 | SLE | NonStatic | Max | 0.003058 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 24 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.052015 | 0.000000 | -0.000314 |
| 24 | SLE_SISMA_DOWN | NonStatic | Max | 0.012748 | 0.000000 | 0.000000 | 0.000000 | 0.000353 |
| 24 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058164 | 0.000000 | 0.000000 |
| 24 | SLE_SISMA_UP | NonStatic | Max | 0.012557 | 0.000000 | 0.000000 | 0.000000 | 0.000383 |
| 24 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053475 | 0.000000 | 0.000000 |
| 24 | SLU_SISMA_DOWN | NonStatic | Max | 0.026588 | 0.000000 | 0.000000 | 0.000000 | 0.001236 |
| 24 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066119 | 0.000000 | 0.000000 |
| 24 | SLU_SISMA_UP | NonStatic | Max | 0.025214 | 0.000000 | 0.000000 | 0.000000 | 0.001286 |
| 24 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.054943 | 0.000000 | 0.000000 |
| 25 | SLE | NonStatic | Max | 0.003244 | 0.000000 | 0.000000 | 0.000000 | 0.000014 |
| 25 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.051966 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 25 | SLE_SISMA_DOWN | NonStatic | Max | 0.012179 | 0.000000 | 0.000000 | 0.000000 | 0.000707 |
| 25 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058172 | 0.000000 | 0.000000 |
| 25 | SLE_SISMA_UP | NonStatic | Max | 0.011978 | 0.000000 | 0.000000 | 0.000000 | 0.000691 |
| 25 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053486 | 0.000000 | 0.000000 |
| 25 | SLU_SISMA_DOWN | NonStatic | Max | 0.025056 | 0.000000 | 0.000000 | 0.000000 | 0.001559 |
| 25 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066198 | 0.000000 | 0.000000 |
| 25 | SLU_SISMA_UP | NonStatic | Max | 0.023683 | 0.000000 | 0.000000 | 0.000000 | 0.001499 |
| 25 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.055028 | 0.000000 | 0.000000 |
| 26 | SLE | NonStatic | Max | 0.003119 | 0.000000 | 0.000000 | 0.000000 | 0.000304 |
| 26 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.051938 | 0.000000 | 0.000000 |
| 26 | SLE_SISMA_DOWN | NonStatic | Max | 0.011458 | 0.000000 | 0.000000 | 0.000000 | 0.001007 |
| 26 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058142 | 0.000000 | 0.000000 |
| 26 | SLE_SISMA_UP | NonStatic | Max | 0.011286 | 0.000000 | 0.000000 | 0.000000 | 0.000955 |
| 26 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053459 | 0.000000 | 0.000000 |
| 26 | SLU_SISMA_DOWN | NonStatic | Max | 0.023626 | 0.000000 | 0.000000 | 0.000000 | 0.001830 |
| 26 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066164 | 0.000000 | 0.000000 |
| 26 | SLU_SISMA_UP | NonStatic | Max | 0.022341 | 0.000000 | 0.000000 | 0.000000 | 0.001681 |
| 26 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.055001 | 0.000000 | 0.000000 |
| 27 | SLE | NonStatic | Max | 0.002767 | 0.000000 | 0.000000 | 0.000000 | 0.000553 |
| 27 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.051912 | 0.000000 | 0.000000 |
| 27 | SLE_SISMA_DOWN | NonStatic | Max | 0.010507 | 0.000000 | 0.000000 | 0.000000 | 0.001261 |
| 27 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058114 | 0.000000 | 0.000000 |
| 27 | SLE_SISMA_UP | NonStatic | Max | 0.010392 | 0.000000 | 0.000000 | 0.000000 | 0.001178 |
| 27 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053433 | 0.000000 | 0.000000 |
| 27 | SLU_SISMA_DOWN | NonStatic | Max | 0.021989 | 0.000000 | 0.000000 | 0.000000 | 0.002063 |
| 27 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066133 | 0.000000 | 0.000000 |
| 27 | SLU_SISMA_UP | NonStatic | Max | 0.020861 | 0.000000 | 0.000000 | 0.000000 | 0.001843 |
| 27 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.054974 | 0.000000 | 0.000000 |
| 28 | SLE | NonStatic | Max | 0.002237 | 0.000000 | 0.000000 | 0.000000 | 0.000729 |
| 28 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.051889 | 0.000000 | 0.000000 |
| 28 | SLE_SISMA_DOWN | NonStatic | Max | 0.009375 | 0.000000 | 0.000000 | 0.000000 | 0.001440 |
| 28 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058089 | 0.000000 | 0.000000 |
| 28 | SLE_SISMA_UP | NonStatic | Max | 0.009339 | 0.000000 | 0.000000 | 0.000000 | 0.001338 |
| 28 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053410 | 0.000000 | 0.000000 |
| 28 | SLU_SISMA_DOWN | NonStatic | Max | 0.020186 | 0.000000 | 0.000000 | 0.000000 | 0.002233 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 28 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066106 | 0.000000 | 0.000000 |
| 28 | SLU_SISMA_UP | NonStatic | Max | 0.019264 | 0.000000 | 0.000000 | 0.000000 | 0.001969 |
| 28 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.054952 | 0.000000 | 0.000000 |
| 29 | SLE | NonStatic | Max | 0.001373 | 0.000000 | 0.000000 | 0.000000 | 0.000811 |
| 29 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.051884 | 0.000000 | 0.000000 |
| 29 | SLE_SISMA_DOWN | NonStatic | Max | 0.007784 | 0.000000 | 0.000000 | 0.000000 | 0.001523 |
| 29 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.058083 | 0.000000 | 0.000000 |
| 29 | SLE_SISMA_UP | NonStatic | Max | 0.007864 | 0.000000 | 0.000000 | 0.000000 | 0.001413 |
| 29 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053404 | 0.000000 | 0.000000 |
| 29 | SLU_SISMA_DOWN | NonStatic | Max | 0.017789 | 0.000000 | 0.000000 | 0.000000 | 0.002315 |
| 29 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066097 | 0.000000 | 0.000000 |
| 29 | SLU_SISMA_UP | NonStatic | Max | 0.017165 | 0.000000 | 0.000000 | 0.000000 | 0.002032 |
| 29 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.054944 | 0.000000 | 0.000000 |
| 30 | SLE | NonStatic | Max | 0.001335 | 0.000000 | 0.000000 | 0.000000 | 0.001074 |
| 30 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.051011 | 0.000000 | 0.000000 |
| 30 | SLE_SISMA_DOWN | NonStatic | Max | 0.007746 | 0.000000 | 0.000000 | 0.000000 | 0.001782 |
| 30 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.056562 | 0.000000 | 0.000000 |
| 30 | SLE_SISMA_UP | NonStatic | Max | 0.007831 | 0.000000 | 0.000000 | 0.000000 | 0.001647 |
| 30 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.051995 | 0.000000 | 0.000000 |
| 30 | SLU_SISMA_DOWN | NonStatic | Max | 0.017754 | 0.000000 | 0.000000 | 0.000000 | 0.002565 |
| 30 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.063856 | 0.000000 | 0.000000 |
| 30 | SLU_SISMA_UP | NonStatic | Max | 0.017140 | 0.000000 | 0.000000 | 0.000000 | 0.002225 |
| 30 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.052989 | 0.000000 | 0.000000 |
| 31 | SLE | NonStatic | Max | 0.001297 | 0.000000 | 0.000000 | 0.000000 | 0.001295 |
| 31 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.049942 | 0.000000 | 0.000000 |
| 31 | SLE_SISMA_DOWN | NonStatic | Max | 0.007708 | 0.000000 | 0.000000 | 0.000000 | 0.001977 |
| 31 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.054860 | 0.000000 | 0.000000 |
| 31 | SLE_SISMA_UP | NonStatic | Max | 0.007797 | 0.000000 | 0.000000 | 0.000000 | 0.001821 |
| 31 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.050425 | 0.000000 | 0.000000 |
| 31 | SLU_SISMA_DOWN | NonStatic | Max | 0.017720 | 0.000000 | 0.000000 | 0.000000 | 0.002722 |
| 31 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.061459 | 0.000000 | 0.000000 |
| 31 | SLU_SISMA_UP | NonStatic | Max | 0.017115 | 0.000000 | 0.000000 | 0.000000 | 0.002335 |
| 31 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.050920 | 0.000000 | 0.000000 |
| 32 | SLE | NonStatic | Max | 0.000822 | 0.000000 | 0.000000 | 0.000000 | 0.001412 |
| 32 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.048742 | 0.000000 | 0.000000 |
| 32 | SLE_SISMA_DOWN | NonStatic | Max | 0.007003 | 0.000000 | 0.000000 | 0.000000 | 0.002052 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 32 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.053106 | 0.000000 | 0.000000 |
| 32 | SLE_SISMA_UP | NonStatic | Max | 0.007149 | 0.000000 | 0.000000 | 0.000000 | 0.001886 |
| 32 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.048812 | 0.000000 | 0.000000 |
| 32 | SLU_SISMA_DOWN | NonStatic | Max | 0.016768 | 0.000000 | 0.000000 | 0.000000 | 0.002746 |
| 32 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.059104 | 0.000000 | 0.000000 |
| 32 | SLU_SISMA_UP | NonStatic | Max | 0.016306 | 0.000000 | 0.000000 | 0.000000 | 0.002340 |
| 32 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.048911 | 0.000000 | 0.000000 |
| 33 | SLE | NonStatic | Max | 0.000430 | 0.000000 | 0.000000 | 0.000000 | 0.001348 |
| 33 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.047500 | 0.000000 | 0.000000 |
| 33 | SLE_SISMA_DOWN | NonStatic | Max | 0.006435 | 0.000000 | 0.000000 | 0.000000 | 0.001940 |
| 33 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.051336 | 0.000000 | 0.000000 |
| 33 | SLE_SISMA_UP | NonStatic | Max | 0.006629 | 0.000000 | 0.000000 | 0.000000 | 0.001782 |
| 33 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.047186 | 0.000000 | 0.000000 |
| 33 | SLU_SISMA_DOWN | NonStatic | Max | 0.016013 | 0.000000 | 0.000000 | 0.000000 | 0.002584 |
| 33 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.056761 | 0.000000 | 0.000000 |
| 33 | SLU_SISMA_UP | NonStatic | Max | 0.015666 | 0.000000 | 0.000000 | 0.000000 | 0.002202 |
| 33 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.046919 | 0.000000 | 0.000000 |
| 34 | SLE | NonStatic | Max | 0.000163 | 0.000000 | 0.000000 | 0.000000 | 0.001138 |
| 34 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.046365 | 0.000000 | 0.000000 |
| 34 | SLE_SISMA_DOWN | NonStatic | Max | 0.006040 | 0.000000 | 0.000000 | 0.000000 | 0.001682 |
| 34 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.049706 | 0.000000 | 0.000000 |
| 34 | SLE_SISMA_UP | NonStatic | Max | 0.006268 | 0.000000 | 0.000000 | 0.000000 | 0.001548 |
| 34 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045688 | 0.000000 | 0.000000 |
| 34 | SLU_SISMA_DOWN | NonStatic | Max | 0.015484 | 0.000000 | 0.000000 | 0.000000 | 0.002284 |
| 34 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.054588 | 0.000000 | 0.000000 |
| 34 | SLU_SISMA_UP | NonStatic | Max | 0.015217 | 0.000000 | 0.000000 | 0.000000 | 0.001964 |
| 34 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045064 | 0.000000 | 0.000000 |
| 35 | SLE | NonStatic | Max | 0.000023 | 0.000000 | 0.000000 | 0.000000 | 0.000819 |
| 35 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.045462 | 0.000000 | 0.000000 |
| 35 | SLE_SISMA_DOWN | NonStatic | Max | 0.005817 | 0.000000 | 0.000000 | 0.000000 | 0.001321 |
| 35 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048340 | 0.000000 | 0.000000 |
| 35 | SLE_SISMA_UP | NonStatic | Max | 0.006063 | 0.000000 | 0.000000 | 0.000000 | 0.001222 |
| 35 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.044429 | 0.000000 | 0.000000 |
| 35 | SLU_SISMA_DOWN | NonStatic | Max | 0.015172 | 0.000000 | 0.000000 | 0.000000 | 0.001896 |
| 35 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.052704 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 35 | SLU_SISMA_UP | NonStatic | Max | 0.014949 | 0.000000 | 0.000000 | 0.000000 | 0.001663 |
| 35 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.043433 | 0.000000 | 0.000000 |
| 36 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000427 |
| 36 | SLE | NonStatic | Min | -0.000017 | 0.000000 | -0.044881 | 0.000000 | 0.000000 |
| 36 | SLE_SISMA_DOWN | NonStatic | Max | 0.005733 | 0.000000 | 0.000000 | 0.000000 | 0.000897 |
| 36 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.047328 | 0.000000 | 0.000000 |
| 36 | SLE_SISMA_UP | NonStatic | Max | 0.005985 | 0.000000 | 0.000000 | 0.000000 | 0.000842 |
| 36 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.043487 | 0.000000 | 0.000000 |
| 36 | SLU_SISMA_DOWN | NonStatic | Max | 0.015038 | 0.000000 | 0.000000 | 0.000000 | 0.001461 |
| 36 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.051186 | 0.000000 | 0.000000 |
| 36 | SLU_SISMA_UP | NonStatic | Max | 0.014831 | 0.000000 | 0.000000 | 0.000000 | 0.001333 |
| 36 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.042081 | 0.000000 | 0.000000 |
| 37 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 37 | SLE | NonStatic | Min | -2.944E-14 | 0.000000 | -0.044681 | 0.000000 | -1.144E-14 |
| 37 | SLE_SISMA_DOWN | NonStatic | Max | 0.005736 | 0.000000 | 0.000000 | 0.000000 | 0.000449 |
| 37 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.046718 | 0.000000 | 0.000000 |
| 37 | SLE_SISMA_UP | NonStatic | Max | 0.005989 | 0.000000 | 0.000000 | 0.000000 | 0.000441 |
| 37 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.042907 | 0.000000 | 0.000000 |
| 37 | SLU_SISMA_DOWN | NonStatic | Max | 0.015029 | 0.000000 | 0.000000 | 0.000000 | 0.001023 |
| 37 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.050070 | 0.000000 | 0.000000 |
| 37 | SLU_SISMA_UP | NonStatic | Max | 0.014823 | 0.000000 | 0.000000 | 0.000000 | 0.001007 |
| 37 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.041030 | 0.000000 | 0.000000 |
| 38 | SLE | NonStatic | Max | 0.000017 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 38 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.044881 | 0.000000 | -0.000427 |
| 38 | SLE_SISMA_DOWN | NonStatic | Max | 0.005768 | 0.000000 | 0.000000 | 0.000000 | 0.000016 |
| 38 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.046521 | 0.000000 | 0.000000 |
| 38 | SLE_SISMA_UP | NonStatic | Max | 0.006021 | 0.000000 | 0.000000 | 0.000000 | 0.000056 |
| 38 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.042694 | 0.000000 | 0.000000 |
| 38 | SLU_SISMA_DOWN | NonStatic | Max | 0.015087 | 0.000000 | 0.000000 | 0.000000 | 0.000618 |
| 38 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.049349 | 0.000000 | 0.000000 |
| 38 | SLU_SISMA_UP | NonStatic | Max | 0.014879 | 0.000000 | 0.000000 | 0.000000 | 0.000714 |
| 38 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.040271 | 0.000000 | 0.000000 |
| 39 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 39 | SLE | NonStatic | Min | -0.000023 | 0.000000 | -0.045462 | 0.000000 | -0.000819 |
| 39 | SLE_SISMA_DOWN | NonStatic | Max | 0.005774 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 39 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.046704 | 0.000000 | -0.000366 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 39 | SLE_SISMA_UP | NonStatic | Max | 0.006032 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 39 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.042820 | 0.000000 | -0.000283 |
| 39 | SLU_SISMA_DOWN | NonStatic | Max | 0.015159 | 0.000000 | 0.000000 | 0.000000 | 0.000282 |
| 39 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048978 | 0.000000 | 0.000000 |
| 39 | SLU_SISMA_UP | NonStatic | Max | 0.014965 | 0.000000 | 0.000000 | 0.000000 | 0.000480 |
| 39 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.039762 | 0.000000 | 0.000000 |
| 40 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 40 | SLE | NonStatic | Min | -0.000163 | 0.000000 | -0.046365 | 0.000000 | -0.001138 |
| 40 | SLE_SISMA_DOWN | NonStatic | Max | 0.005710 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 40 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.047199 | 0.000000 | -0.000661 |
| 40 | SLE_SISMA_UP | NonStatic | Max | 0.005984 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 40 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.043223 | 0.000000 | -0.000542 |
| 40 | SLU_SISMA_DOWN | NonStatic | Max | 0.015211 | 0.000000 | 0.000000 | 0.000000 | 0.000047 |
| 40 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048877 | 0.000000 | 0.000000 |
| 40 | SLU_SISMA_UP | NonStatic | Max | 0.015054 | 0.000000 | 0.000000 | 0.000000 | 0.000328 |
| 40 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.039440 | 0.000000 | 0.000000 |
| 41 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | SLE | NonStatic | Min | -0.000430 | 0.000000 | -0.047500 | 0.000000 | -0.001348 |
| 41 | SLE_SISMA_DOWN | NonStatic | Max | 0.005556 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.047905 | 0.000000 | -0.000834 |
| 41 | SLE_SISMA_UP | NonStatic | Max | 0.005859 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.043809 | 0.000000 | -0.000691 |
| 41 | SLU_SISMA_DOWN | NonStatic | Max | 0.015230 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048937 | 0.000000 | -0.000057 |
| 41 | SLU_SISMA_UP | NonStatic | Max | 0.015143 | 0.000000 | 0.000000 | 0.000000 | 0.000279 |
| 41 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.039219 | 0.000000 | 0.000000 |
| 42 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 42 | SLE | NonStatic | Min | -0.000822 | 0.000000 | -0.048742 | 0.000000 | -0.001412 |
| 42 | SLE_SISMA_DOWN | NonStatic | Max | 0.005320 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 42 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048691 | 0.000000 | -0.000854 |
| 42 | SLE_SISMA_UP | NonStatic | Max | 0.005667 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 42 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.044463 | 0.000000 | -0.000701 |
| 42 | SLU_SISMA_DOWN | NonStatic | Max | 0.015235 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 42 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.049029 | 0.000000 | -4.275E-06 |
| 42 | SLU_SISMA_UP | NonStatic | Max | 0.015250 | 0.000000 | 0.000000 | 0.000000 | 0.000350 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 42 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.039001 | 0.000000 | 0.000000 |
| 43 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 43 | SLE | NonStatic | Min | -0.001297 | 0.000000 | -0.049942 | 0.000000 | -0.001295 |
| 43 | SLE_SISMA_DOWN | NonStatic | Max | 0.005051 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 43 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.049407 | 0.000000 | -0.000686 |
| 43 | SLE_SISMA_UP | NonStatic | Max | 0.005451 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 43 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045048 | 0.000000 | -0.000543 |
| 43 | SLU_SISMA_DOWN | NonStatic | Max | 0.015281 | 0.000000 | 0.000000 | 0.000000 | 0.000229 |
| 43 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.049009 | 0.000000 | 0.000000 |
| 43 | SLU_SISMA_UP | NonStatic | Max | 0.015419 | 0.000000 | 0.000000 | 0.000000 | 0.000555 |
| 43 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.038680 | 0.000000 | 0.000000 |
| 44 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | SLE | NonStatic | Min | -0.001335 | 0.000000 | -0.051011 | 0.000000 | -0.001074 |
| 44 | SLE_SISMA_DOWN | NonStatic | Max | 0.005010 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.049902 | 0.000000 | -0.000422 |
| 44 | SLE_SISMA_UP | NonStatic | Max | 0.005415 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.045425 | 0.000000 | -0.000300 |
| 44 | SLU_SISMA_DOWN | NonStatic | Max | 0.015241 | 0.000000 | 0.000000 | 0.000000 | 0.000539 |
| 44 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.048652 | 0.000000 | 0.000000 |
| 44 | SLU_SISMA_UP | NonStatic | Max | 0.015389 | 0.000000 | 0.000000 | 0.000000 | 0.000813 |
| 44 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.038053 | 0.000000 | 0.000000 |

## Table: Joint Displacements, Part 2 of 2

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 1 | SLE | Max | 0.000000 |
| 1 | SLE | Min | 0.000000 |
| 1 | SLE_SISMA_DOWN | Max | 0.000000 |
| 1 | SLE_SISMA_DOWN | Min | 0.000000 |
| 1 | SLE_SISMA_UP | Max | 0.000000 |
| 1 | SLE_SISMA_UP | Min | 0.000000 |
| 1 | SLU_SISMA_DOWN | Max | 0.000000 |
| 1 | SLU_SISMA_DOWN | Min | 0.000000 |
| 1 | SLU_SISMA_UP | Max | 0.000000 |
| 1 | SLU_SISMA_UP | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 2 | SLE | Max | 0.000000 |
| 2 | SLE | Min | 0.000000 |
| 2 | SLE_SISMA_DOWN | Max | 0.000000 |
| 2 | SLE_SISMA_DOWN | Min | 0.000000 |
| 2 | SLE_SISMA_UP | Max | 0.000000 |
| 2 | SLE_SISMA_UP | Min | 0.000000 |
| 2 | SLU_SISMA_DOWN | Max | 0.000000 |
| 2 | SLU_SISMA_DOWN | Min | 0.000000 |
| 2 | SLU_SISMA_UP | Max | 0.000000 |
| 2 | SLU_SISMA_UP | Min | 0.000000 |
| 3 | SLE | Max | 0.000000 |
| 3 | SLE | Min | 0.000000 |
| 3 | SLE_SISMA_DOWN | Max | 0.000000 |
| 3 | SLE_SISMA_DOWN | Min | 0.000000 |
| 3 | SLE_SISMA_UP | Max | 0.000000 |
| 3 | SLE_SISMA_UP | Min | 0.000000 |
| 3 | SLU_SISMA_DOWN | Max | 0.000000 |
| 3 | SLU_SISMA_DOWN | Min | 0.000000 |
| 3 | SLU_SISMA_UP | Max | 0.000000 |
| 3 | SLU_SISMA_UP | Min | 0.000000 |
| 4 | SLE | Max | 0.000000 |
| 4 | SLE | Min | 0.000000 |
| 4 | SLE_SISMA_DOWN | Max | 0.000000 |
| 4 | SLE_SISMA_DOWN | Min | 0.000000 |
| 4 | SLE_SISMA_UP | Max | 0.000000 |
| 4 | SLE_SISMA_UP | Min | 0.000000 |
| 4 | SLU_SISMA_DOWN | Max | 0.000000 |
| 4 | SLU_SISMA_DOWN | Min | 0.000000 |
| 4 | SLU_SISMA_UP | Max | 0.000000 |
| 4 | SLU_SISMA_UP | Min | 0.000000 |
| 5 | SLE | Max | 0.000000 |
| 5 | SLE | Min | 0.000000 |
| 5 | SLE_SISMA_DOWN | Max | 0.000000 |
| 5 | SLE_SISMA_DOWN | Min | 0.000000 |
| 5 | SLE_SISMA_UP | Max | 0.000000 |
| 5 | SLE_SISMA_UP | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 5 | SLU_SISMA_DOWN | Max | 0.000000 |
| 5 | SLU_SISMA_DOWN | Min | 0.000000 |
| 5 | SLU_SISMA_UP | Max | 0.000000 |
| 5 | SLU_SISMA_UP | Min | 0.000000 |
| 6 | SLE | Max | 0.000000 |
| 6 | SLE | Min | 0.000000 |
| 6 | SLE_SISMA_DOWN | Max | 0.000000 |
| 6 | SLE_SISMA_DOWN | Min | 0.000000 |
| 6 | SLE_SISMA_UP | Max | 0.000000 |
| 6 | SLE_SISMA_UP | Min | 0.000000 |
| 6 | SLU_SISMA_DOWN | Max | 0.000000 |
| 6 | SLU_SISMA_DOWN | Min | 0.000000 |
| 6 | SLU_SISMA_UP | Max | 0.000000 |
| 6 | SLU_SISMA_UP | Min | 0.000000 |
| 7 | SLE | Max | 0.000000 |
| 7 | SLE | Min | 0.000000 |
| 7 | SLE_SISMA_DOWN | Max | 0.000000 |
| 7 | SLE_SISMA_DOWN | Min | 0.000000 |
| 7 | SLE_SISMA_UP | Max | 0.000000 |
| 7 | SLE_SISMA_UP | Min | 0.000000 |
| 7 | SLU_SISMA_DOWN | Max | 0.000000 |
| 7 | SLU_SISMA_DOWN | Min | 0.000000 |
| 7 | SLU_SISMA_UP | Max | 0.000000 |
| 7 | SLU_SISMA_UP | Min | 0.000000 |
| 8 | SLE | Max | 0.000000 |
| 8 | SLE | Min | 0.000000 |
| 8 | SLE_SISMA_DOWN | Max | 0.000000 |
| 8 | SLE_SISMA_DOWN | Min | 0.000000 |
| 8 | SLE_SISMA_UP | Max | 0.000000 |
| 8 | SLE_SISMA_UP | Min | 0.000000 |
| 8 | SLU_SISMA_DOWN | Max | 0.000000 |
| 8 | SLU_SISMA_DOWN | Min | 0.000000 |
| 8 | SLU_SISMA_UP | Max | 0.000000 |
| 8 | SLU_SISMA_UP | Min | 0.000000 |
| 9 | SLE | Max | 0.000000 |
| 9 | SLE | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 9 | SLE_SISMA_DOWN | Max | 0.000000 |
| 9 | SLE_SISMA_DOWN | Min | 0.000000 |
| 9 | SLE_SISMA_UP | Max | 0.000000 |
| 9 | SLE_SISMA_UP | Min | 0.000000 |
| 9 | SLU_SISMA_DOWN | Max | 0.000000 |
| 9 | SLU_SISMA_DOWN | Min | 0.000000 |
| 9 | SLU_SISMA_UP | Max | 0.000000 |
| 9 | SLU_SISMA_UP | Min | 0.000000 |
| 10 | SLE | Max | 0.000000 |
| 10 | SLE | Min | 0.000000 |
| 10 | SLE_SISMA_DOWN | Max | 0.000000 |
| 10 | SLE_SISMA_DOWN | Min | 0.000000 |
| 10 | SLE_SISMA_UP | Max | 0.000000 |
| 10 | SLE_SISMA_UP | Min | 0.000000 |
| 10 | SLU_SISMA_DOWN | Max | 0.000000 |
| 10 | SLU_SISMA_DOWN | Min | 0.000000 |
| 10 | SLU_SISMA_UP | Max | 0.000000 |
| 10 | SLU_SISMA_UP | Min | 0.000000 |
| 11 | SLE | Max | 0.000000 |
| 11 | SLE | Min | 0.000000 |
| 11 | SLE_SISMA_DOWN | Max | 0.000000 |
| 11 | SLE_SISMA_DOWN | Min | 0.000000 |
| 11 | SLE_SISMA_UP | Max | 0.000000 |
| 11 | SLE_SISMA_UP | Min | 0.000000 |
| 11 | SLU_SISMA_DOWN | Max | 0.000000 |
| 11 | SLU_SISMA_DOWN | Min | 0.000000 |
| 11 | SLU_SISMA_UP | Max | 0.000000 |
| 11 | SLU_SISMA_UP | Min | 0.000000 |
| 12 | SLE | Max | 0.000000 |
| 12 | SLE | Min | 0.000000 |
| 12 | SLE_SISMA_DOWN | Max | 0.000000 |
| 12 | SLE_SISMA_DOWN | Min | 0.000000 |
| 12 | SLE_SISMA_UP | Max | 0.000000 |
| 12 | SLE_SISMA_UP | Min | 0.000000 |
| 12 | SLU_SISMA_DOWN | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 12 | SLU_SISMA_DOWN | Min | 0.000000 |
| 12 | SLU_SISMA_UP | Max | 0.000000 |
| 12 | SLU_SISMA_UP | Min | 0.000000 |
| 13 | SLE | Max | 0.000000 |
| 13 | SLE | Min | 0.000000 |
| 13 | SLE_SISMA_DOWN | Max | 0.000000 |
| 13 | SLE_SISMA_DOWN | Min | 0.000000 |
| 13 | SLE_SISMA_UP | Max | 0.000000 |
| 13 | SLE_SISMA_UP | Min | 0.000000 |
| 13 | SLU_SISMA_DOWN | Max | 0.000000 |
| 13 | SLU_SISMA_DOWN | Min | 0.000000 |
| 13 | SLU_SISMA_UP | Max | 0.000000 |
| 13 | SLU_SISMA_UP | Min | 0.000000 |
| 14 | SLE | Max | 0.000000 |
| 14 | SLE | Min | 0.000000 |
| 14 | SLE_SISMA_DOWN | Max | 0.000000 |
| 14 | SLE_SISMA_DOWN | Min | 0.000000 |
| 14 | SLE_SISMA_UP | Max | 0.000000 |
| 14 | SLE_SISMA_UP | Min | 0.000000 |
| 14 | SLU_SISMA_DOWN | Max | 0.000000 |
| 14 | SLU_SISMA_DOWN | Min | 0.000000 |
| 14 | SLU_SISMA_UP | Max | 0.000000 |
| 14 | SLU_SISMA_UP | Min | 0.000000 |
| 15 | SLE | Max | 0.000000 |
| 15 | SLE | Min | 0.000000 |
| 15 | SLE_SISMA_DOWN | Max | 0.000000 |
| 15 | SLE_SISMA_DOWN | Min | 0.000000 |
| 15 | SLE_SISMA_UP | Max | 0.000000 |
| 15 | SLE_SISMA_UP | Min | 0.000000 |
| 15 | SLU_SISMA_DOWN | Max | 0.000000 |
| 15 | SLU_SISMA_DOWN | Min | 0.000000 |
| 15 | SLU_SISMA_UP | Max | 0.000000 |
| 15 | SLU_SISMA_UP | Min | 0.000000 |
| 16 | SLE | Max | 0.000000 |
| 16 | SLE | Min | 0.000000 |
| 16 | SLE_SISMA_DOWN | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 16 | SLE_SISMA_DOWN | Min | 0.000000 |
| 16 | SLE_SISMA_UP | Max | 0.000000 |
| 16 | SLE_SISMA_UP | Min | 0.000000 |
| 16 | SLU_SISMA_DOWN | Max | 0.000000 |
| 16 | SLU_SISMA_DOWN | Min | 0.000000 |
| 16 | SLU_SISMA_UP | Max | 0.000000 |
| 16 | SLU_SISMA_UP | Min | 0.000000 |
| 17 | SLE | Max | 0.000000 |
| 17 | SLE | Min | 0.000000 |
| 17 | SLE_SISMA_DOWN | Max | 0.000000 |
| 17 | SLE_SISMA_DOWN | Min | 0.000000 |
| 17 | SLE_SISMA_UP | Max | 0.000000 |
| 17 | SLE_SISMA_UP | Min | 0.000000 |
| 17 | SLU_SISMA_DOWN | Max | 0.000000 |
| 17 | SLU_SISMA_DOWN | Min | 0.000000 |
| 17 | SLU_SISMA_UP | Max | 0.000000 |
| 17 | SLU_SISMA_UP | Min | 0.000000 |
| 18 | SLE | Max | 0.000000 |
| 18 | SLE | Min | 0.000000 |
| 18 | SLE_SISMA_DOWN | Max | 0.000000 |
| 18 | SLE_SISMA_DOWN | Min | 0.000000 |
| 18 | SLE_SISMA_UP | Max | 0.000000 |
| 18 | SLE_SISMA_UP | Min | 0.000000 |
| 18 | SLU_SISMA_DOWN | Max | 0.000000 |
| 18 | SLU_SISMA_DOWN | Min | 0.000000 |
| 18 | SLU_SISMA_UP | Max | 0.000000 |
| 18 | SLU_SISMA_UP | Min | 0.000000 |
| 19 | SLE | Max | 0.000000 |
| 19 | SLE | Min | 0.000000 |
| 19 | SLE_SISMA_DOWN | Max | 0.000000 |
| 19 | SLE_SISMA_DOWN | Min | 0.000000 |
| 19 | SLE_SISMA_UP | Max | 0.000000 |
| 19 | SLE_SISMA_UP | Min | 0.000000 |
| 19 | SLU_SISMA_DOWN | Max | 0.000000 |
| 19 | SLU_SISMA_DOWN | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 19 | SLU_SISMA_UP | Max | 0.000000 |
| 19 | SLU_SISMA_UP | Min | 0.000000 |
| 20 | SLE | Max | 0.000000 |
| 20 | SLE | Min | 0.000000 |
| 20 | SLE_SISMA_DOWN | Max | 0.000000 |
| 20 | SLE_SISMA_DOWN | Min | 0.000000 |
| 20 | SLE_SISMA_UP | Max | 0.000000 |
| 20 | SLE_SISMA_UP | Min | 0.000000 |
| 20 | SLU_SISMA_DOWN | Max | 0.000000 |
| 20 | SLU_SISMA_DOWN | Min | 0.000000 |
| 20 | SLU_SISMA_UP | Max | 0.000000 |
| 20 | SLU_SISMA_UP | Min | 0.000000 |
| 21 | SLE | Max | 0.000000 |
| 21 | SLE | Min | 0.000000 |
| 21 | SLE_SISMA_DOWN | Max | 0.000000 |
| 21 | SLE_SISMA_DOWN | Min | 0.000000 |
| 21 | SLE_SISMA_UP | Max | 0.000000 |
| 21 | SLE_SISMA_UP | Min | 0.000000 |
| 21 | SLU_SISMA_DOWN | Max | 0.000000 |
| 21 | SLU_SISMA_DOWN | Min | 0.000000 |
| 21 | SLU_SISMA_UP | Max | 0.000000 |
| 21 | SLU_SISMA_UP | Min | 0.000000 |
| 22 | SLE | Max | 0.000000 |
| 22 | SLE | Min | 0.000000 |
| 22 | SLE_SISMA_DOWN | Max | 0.000000 |
| 22 | SLE_SISMA_DOWN | Min | 0.000000 |
| 22 | SLE_SISMA_UP | Max | 0.000000 |
| 22 | SLE_SISMA_UP | Min | 0.000000 |
| 22 | SLU_SISMA_DOWN | Max | 0.000000 |
| 22 | SLU_SISMA_DOWN | Min | 0.000000 |
| 22 | SLU_SISMA_UP | Max | 0.000000 |
| 22 | SLU_SISMA_UP | Min | 0.000000 |
| 23 | SLE | Max | 0.000000 |
| 23 | SLE | Min | 0.000000 |
| 23 | SLE_SISMA_DOWN | Max | 0.000000 |
| 23 | SLE_SISMA_DOWN | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 23 | SLE_SISMA_UP | Max | 0.000000 |
| 23 | SLE_SISMA_UP | Min | 0.000000 |
| 23 | SLU_SISMA_DOWN | Max | 0.000000 |
| 23 | SLU_SISMA_DOWN | Min | 0.000000 |
| 23 | SLU_SISMA_UP | Max | 0.000000 |
| 23 | SLU_SISMA_UP | Min | 0.000000 |
| 24 | SLE | Max | 0.000000 |
| 24 | SLE | Min | 0.000000 |
| 24 | SLE_SISMA_DOWN | Max | 0.000000 |
| 24 | SLE_SISMA_DOWN | Min | 0.000000 |
| 24 | SLE_SISMA_UP | Max | 0.000000 |
| 24 | SLE_SISMA_UP | Min | 0.000000 |
| 24 | SLU_SISMA_DOWN | Max | 0.000000 |
| 24 | SLU_SISMA_DOWN | Min | 0.000000 |
| 24 | SLU_SISMA_UP | Max | 0.000000 |
| 24 | SLU_SISMA_UP | Min | 0.000000 |
| 25 | SLE | Max | 0.000000 |
| 25 | SLE | Min | 0.000000 |
| 25 | SLE_SISMA_DOWN | Max | 0.000000 |
| 25 | SLE_SISMA_DOWN | Min | 0.000000 |
| 25 | SLE_SISMA_UP | Max | 0.000000 |
| 25 | SLE_SISMA_UP | Min | 0.000000 |
| 25 | SLU_SISMA_DOWN | Max | 0.000000 |
| 25 | SLU_SISMA_DOWN | Min | 0.000000 |
| 25 | SLU_SISMA_UP | Max | 0.000000 |
| 25 | SLU_SISMA_UP | Min | 0.000000 |
| 26 | SLE | Max | 0.000000 |
| 26 | SLE | Min | 0.000000 |
| 26 | SLE_SISMA_DOWN | Max | 0.000000 |
| 26 | SLE_SISMA_DOWN | Min | 0.000000 |
| 26 | SLE_SISMA_UP | Max | 0.000000 |
| 26 | SLE_SISMA_UP | Min | 0.000000 |
| 26 | SLU_SISMA_DOWN | Max | 0.000000 |
| 26 | SLU_SISMA_DOWN | Min | 0.000000 |
| 26 | SLU_SISMA_UP | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 26 | SLU_SISMA_UP | Min | 0.000000 |
| 27 | SLE | Max | 0.000000 |
| 27 | SLE | Min | 0.000000 |
| 27 | SLE_SISMA_DOWN | Max | 0.000000 |
| 27 | SLE_SISMA_DOWN | Min | 0.000000 |
| 27 | SLE_SISMA_UP | Max | 0.000000 |
| 27 | SLE_SISMA_UP | Min | 0.000000 |
| 27 | SLU_SISMA_DOWN | Max | 0.000000 |
| 27 | SLU_SISMA_DOWN | Min | 0.000000 |
| 27 | SLU_SISMA_UP | Max | 0.000000 |
| 27 | SLU_SISMA_UP | Min | 0.000000 |
| 28 | SLE | Max | 0.000000 |
| 28 | SLE | Min | 0.000000 |
| 28 | SLE_SISMA_DOWN | Max | 0.000000 |
| 28 | SLE_SISMA_DOWN | Min | 0.000000 |
| 28 | SLE_SISMA_UP | Max | 0.000000 |
| 28 | SLE_SISMA_UP | Min | 0.000000 |
| 28 | SLU_SISMA_DOWN | Max | 0.000000 |
| 28 | SLU_SISMA_DOWN | Min | 0.000000 |
| 28 | SLU_SISMA_UP | Max | 0.000000 |
| 28 | SLU_SISMA_UP | Min | 0.000000 |
| 29 | SLE | Max | 0.000000 |
| 29 | SLE | Min | 0.000000 |
| 29 | SLE_SISMA_DOWN | Max | 0.000000 |
| 29 | SLE_SISMA_DOWN | Min | 0.000000 |
| 29 | SLE_SISMA_UP | Max | 0.000000 |
| 29 | SLE_SISMA_UP | Min | 0.000000 |
| 29 | SLU_SISMA_DOWN | Max | 0.000000 |
| 29 | SLU_SISMA_DOWN | Min | 0.000000 |
| 29 | SLU_SISMA_UP | Max | 0.000000 |
| 29 | SLU_SISMA_UP | Min | 0.000000 |
| 30 | SLE | Max | 0.000000 |
| 30 | SLE | Min | 0.000000 |
| 30 | SLE_SISMA_DOWN | Max | 0.000000 |
| 30 | SLE_SISMA_DOWN | Min | 0.000000 |
| 30 | SLE_SISMA_UP | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 30 | SLE_SISMA_UP | Min | 0.000000 |
| 30 | SLU_SISMA_DOWN | Max | 0.000000 |
| 30 | SLU_SISMA_DOWN | Min | 0.000000 |
| 30 | SLU_SISMA_UP | Max | 0.000000 |
| 30 | SLU_SISMA_UP | Min | 0.000000 |
| 31 | SLE | Max | 0.000000 |
| 31 | SLE | Min | 0.000000 |
| 31 | SLE_SISMA_DOWN | Max | 0.000000 |
| 31 | SLE_SISMA_DOWN | Min | 0.000000 |
| 31 | SLE_SISMA_UP | Max | 0.000000 |
| 31 | SLE_SISMA_UP | Min | 0.000000 |
| 31 | SLU_SISMA_DOWN | Max | 0.000000 |
| 31 | SLU_SISMA_DOWN | Min | 0.000000 |
| 31 | SLU_SISMA_UP | Max | 0.000000 |
| 31 | SLU_SISMA_UP | Min | 0.000000 |
| 32 | SLE | Max | 0.000000 |
| 32 | SLE | Min | 0.000000 |
| 32 | SLE_SISMA_DOWN | Max | 0.000000 |
| 32 | SLE_SISMA_DOWN | Min | 0.000000 |
| 32 | SLE_SISMA_UP | Max | 0.000000 |
| 32 | SLE_SISMA_UP | Min | 0.000000 |
| 32 | SLU_SISMA_DOWN | Max | 0.000000 |
| 32 | SLU_SISMA_DOWN | Min | 0.000000 |
| 32 | SLU_SISMA_UP | Max | 0.000000 |
| 32 | SLU_SISMA_UP | Min | 0.000000 |
| 33 | SLE | Max | 0.000000 |
| 33 | SLE | Min | 0.000000 |
| 33 | SLE_SISMA_DOWN | Max | 0.000000 |
| 33 | SLE_SISMA_DOWN | Min | 0.000000 |
| 33 | SLE_SISMA_UP | Max | 0.000000 |
| 33 | SLE_SISMA_UP | Min | 0.000000 |
| 33 | SLU_SISMA_DOWN | Max | 0.000000 |
| 33 | SLU_SISMA_DOWN | Min | 0.000000 |
| 33 | SLU_SISMA_UP | Max | 0.000000 |
| 33 | SLU_SISMA_UP | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 34 | SLE | Max | 0.000000 |
| 34 | SLE | Min | 0.000000 |
| 34 | SLE_SISMA_DOWN | Max | 0.000000 |
| 34 | SLE_SISMA_DOWN | Min | 0.000000 |
| 34 | SLE_SISMA_UP | Max | 0.000000 |
| 34 | SLE_SISMA_UP | Min | 0.000000 |
| 34 | SLU_SISMA_DOWN | Max | 0.000000 |
| 34 | SLU_SISMA_DOWN | Min | 0.000000 |
| 34 | SLU_SISMA_UP | Max | 0.000000 |
| 34 | SLU_SISMA_UP | Min | 0.000000 |
| 35 | SLE | Max | 0.000000 |
| 35 | SLE | Min | 0.000000 |
| 35 | SLE_SISMA_DOWN | Max | 0.000000 |
| 35 | SLE_SISMA_DOWN | Min | 0.000000 |
| 35 | SLE_SISMA_UP | Max | 0.000000 |
| 35 | SLE_SISMA_UP | Min | 0.000000 |
| 35 | SLU_SISMA_DOWN | Max | 0.000000 |
| 35 | SLU_SISMA_DOWN | Min | 0.000000 |
| 35 | SLU_SISMA_UP | Max | 0.000000 |
| 35 | SLU_SISMA_UP | Min | 0.000000 |
| 36 | SLE | Max | 0.000000 |
| 36 | SLE | Min | 0.000000 |
| 36 | SLE_SISMA_DOWN | Max | 0.000000 |
| 36 | SLE_SISMA_DOWN | Min | 0.000000 |
| 36 | SLE_SISMA_UP | Max | 0.000000 |
| 36 | SLE_SISMA_UP | Min | 0.000000 |
| 36 | SLU_SISMA_DOWN | Max | 0.000000 |
| 36 | SLU_SISMA_DOWN | Min | 0.000000 |
| 36 | SLU_SISMA_UP | Max | 0.000000 |
| 36 | SLU_SISMA_UP | Min | 0.000000 |
| 37 | SLE | Max | 0.000000 |
| 37 | SLE | Min | 0.000000 |
| 37 | SLE_SISMA_DOWN | Max | 0.000000 |
| 37 | SLE_SISMA_DOWN | Min | 0.000000 |
| 37 | SLE_SISMA_UP | Max | 0.000000 |
| 37 | SLE_SISMA_UP | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 37 | SLU_SISMA_DOWN | Max | 0.000000 |
| 37 | SLU_SISMA_DOWN | Min | 0.000000 |
| 37 | SLU_SISMA_UP | Max | 0.000000 |
| 37 | SLU_SISMA_UP | Min | 0.000000 |
| 38 | SLE | Max | 0.000000 |
| 38 | SLE | Min | 0.000000 |
| 38 | SLE_SISMA_DOWN | Max | 0.000000 |
| 38 | SLE_SISMA_DOWN | Min | 0.000000 |
| 38 | SLE_SISMA_UP | Max | 0.000000 |
| 38 | SLE_SISMA_UP | Min | 0.000000 |
| 38 | SLU_SISMA_DOWN | Max | 0.000000 |
| 38 | SLU_SISMA_DOWN | Min | 0.000000 |
| 38 | SLU_SISMA_UP | Max | 0.000000 |
| 38 | SLU_SISMA_UP | Min | 0.000000 |
| 39 | SLE | Max | 0.000000 |
| 39 | SLE | Min | 0.000000 |
| 39 | SLE_SISMA_DOWN | Max | 0.000000 |
| 39 | SLE_SISMA_DOWN | Min | 0.000000 |
| 39 | SLE_SISMA_UP | Max | 0.000000 |
| 39 | SLE_SISMA_UP | Min | 0.000000 |
| 39 | SLU_SISMA_DOWN | Max | 0.000000 |
| 39 | SLU_SISMA_DOWN | Min | 0.000000 |
| 39 | SLU_SISMA_UP | Max | 0.000000 |
| 39 | SLU_SISMA_UP | Min | 0.000000 |
| 40 | SLE | Max | 0.000000 |
| 40 | SLE | Min | 0.000000 |
| 40 | SLE_SISMA_DOWN | Max | 0.000000 |
| 40 | SLE_SISMA_DOWN | Min | 0.000000 |
| 40 | SLE_SISMA_UP | Max | 0.000000 |
| 40 | SLE_SISMA_UP | Min | 0.000000 |
| 40 | SLU_SISMA_DOWN | Max | 0.000000 |
| 40 | SLU_SISMA_DOWN | Min | 0.000000 |
| 40 | SLU_SISMA_UP | Max | 0.000000 |
| 40 | SLU_SISMA_UP | Min | 0.000000 |
| 41 | SLE | Max | 0.000000 |
| 41 | SLE | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 41 | SLE_SISMA_DOWN | Max | 0.000000 |
| 41 | SLE_SISMA_DOWN | Min | 0.000000 |
| 41 | SLE_SISMA_UP | Max | 0.000000 |
| 41 | SLE_SISMA_UP | Min | 0.000000 |
| 41 | SLU_SISMA_DOWN | Max | 0.000000 |
| 41 | SLU_SISMA_DOWN | Min | 0.000000 |
| 41 | SLU_SISMA_UP | Max | 0.000000 |
| 41 | SLU_SISMA_UP | Min | 0.000000 |
| 42 | SLE | Max | 0.000000 |
| 42 | SLE | Min | 0.000000 |
| 42 | SLE_SISMA_DOWN | Max | 0.000000 |
| 42 | SLE_SISMA_DOWN | Min | 0.000000 |
| 42 | SLE_SISMA_UP | Max | 0.000000 |
| 42 | SLE_SISMA_UP | Min | 0.000000 |
| 42 | SLU_SISMA_DOWN | Max | 0.000000 |
| 42 | SLU_SISMA_DOWN | Min | 0.000000 |
| 42 | SLU_SISMA_UP | Max | 0.000000 |
| 42 | SLU_SISMA_UP | Min | 0.000000 |
| 43 | SLE | Max | 0.000000 |
| 43 | SLE | Min | 0.000000 |
| 43 | SLE_SISMA_DOWN | Max | 0.000000 |
| 43 | SLE_SISMA_DOWN | Min | 0.000000 |
| 43 | SLE_SISMA_UP | Max | 0.000000 |
| 43 | SLE_SISMA_UP | Min | 0.000000 |
| 43 | SLU_SISMA_DOWN | Max | 0.000000 |
| 43 | SLU_SISMA_DOWN | Min | 0.000000 |
| 43 | SLU_SISMA_UP | Max | 0.000000 |
| 43 | SLU_SISMA_UP | Min | 0.000000 |
| 44 | SLE | Max | 0.000000 |
| 44 | SLE | Min | 0.000000 |
| 44 | SLE_SISMA_DOWN | Max | 0.000000 |
| 44 | SLE_SISMA_DOWN | Min | 0.000000 |
| 44 | SLE_SISMA_UP | Max | 0.000000 |
| 44 | SLE_SISMA_UP | Min | 0.000000 |
| 44 | SLU_SISMA_DOWN | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 44 | SLU_SISMA_DOWN | Min | 0.000000 |
| 44 | SLU_SISMA_UP | Max | 0.000000 |
| 44 | SLU_SISMA_UP | Min | 0.000000 |

## Table: Joint Pattern Definitions

**Table: Joint Pattern Definitions**

| Pattern |
|---|
| Default |

## Table: Joint Reactions, Part 1 of 2

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 1 | SLE | NonStatic | Max | 3.061 | 0.000 | 114.928 | 0.0000 | 0.0000 |
| 1 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 1 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 111.132 | 0.0000 | 0.0000 |
| 1 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 1 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 100.992 | 0.0000 | 0.0000 |
| 1 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 1 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 106.406 | 0.0000 | 0.0000 |
| 1 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 1 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 82.434 | 0.0000 | 0.0000 |
| 1 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE | NonStatic | Max | 9.127 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLE | NonStatic | Max | 10.239 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 3 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE | NonStatic | Max | 11.540 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE | NonStatic | Min | 0.000 | 0.000 | -1.973E-11 | 0.0000 | 0.0000 |
| 4 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE | NonStatic | Max | 6.002 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE | NonStatic | Min | 0.000 | 0.000 | -2.052E-11 | 0.0000 | 0.0000 |
| 5 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 6 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 10 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 13 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 17 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 21 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLU_SISMA_DOWN | NonStatic | Min | -3.521 | 0.000 | -1.459 | 0.0000 | 0.0000 |
| 22 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLU_SISMA_UP | NonStatic | Min | -10.774 | 0.000 | -4.463 | 0.0000 | 0.0000 |
| 23 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLE_SISMA_UP | NonStatic | Min | -0.067 | 0.000 | -0.016 | 0.0000 | 0.0000 |
| 23 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLU_SISMA_DOWN | NonStatic | Min | -28.442 | 0.000 | -7.016 | 0.0000 | 0.0000 |
| 23 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLU_SISMA_UP | NonStatic | Min | -38.587 | 0.000 | -10.657 | 0.0000 | 0.0000 |
| 24 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLE_SISMA_DOWN | NonStatic | Min | -19.601 | 0.000 | -1.543 | 0.0000 | 0.0000 |
| 24 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLE_SISMA_UP | NonStatic | Min | -20.029 | 0.000 | -1.576 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 24 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLU_SISMA_DOWN | NonStatic | Min | -75.757 | 0.000 | -9.909 | 0.0000 | 0.0000 |
| 24 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLU_SISMA_UP | NonStatic | Min | -77.555 | 0.000 | -10.532 | 0.0000 | 0.0000 |
| 25 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 25 | SLE | NonStatic | Min | -6.002 | 0.000 | -2.052E-11 | 0.0000 | 0.0000 |
| 25 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 25 | SLE_SISMA_DOWN | NonStatic | Min | -40.765 | 0.000 | -1.435 | 0.0000 | 0.0000 |
| 25 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 25 | SLE_SISMA_UP | NonStatic | Min | -40.798 | 0.000 | -1.467 | 0.0000 | 0.0000 |
| 25 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 25 | SLU_SISMA_DOWN | NonStatic | Min | -93.969 | 0.000 | -3.747 | 0.0000 | 0.0000 |
| 25 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 25 | SLU_SISMA_UP | NonStatic | Min | -90.241 | 0.000 | -3.654 | 0.0000 | 0.0000 |
| 26 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 26 | SLE | NonStatic | Min | -11.540 | 0.000 | -1.973E-11 | 0.0000 | 0.0000 |
| 26 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 26 | SLE_SISMA_DOWN | NonStatic | Min | -42.398 | 0.000 | -7.248E-11 | 0.0000 | 0.0000 |
| 26 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 26 | SLE_SISMA_UP | NonStatic | Min | -41.762 | 0.000 | -7.139E-11 | 0.0000 | 0.0000 |
| 26 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 26 | SLU_SISMA_DOWN | NonStatic | Min | -87.420 | 0.000 | -1.494E-10 | 0.0000 | 0.0000 |
| 26 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 26 | SLU_SISMA_UP | NonStatic | Min | -82.666 | 0.000 | -1.413E-10 | 0.0000 | 0.0000 |
| 27 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLE | NonStatic | Min | -10.239 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLE_SISMA_DOWN | NonStatic | Min | -38.877 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLE_SISMA_UP | NonStatic | Min | -38.454 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLU_SISMA_DOWN | NonStatic | Min | -81.363 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLU_SISMA_UP | NonStatic | Min | -77.191 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLE | NonStatic | Min | -9.127 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 28 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLE_SISMA_DOWN | NonStatic | Min | -38.247 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLE_SISMA_UP | NonStatic | Min | -38.100 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLU_SISMA_DOWN | NonStatic | Min | -82.351 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLU_SISMA_UP | NonStatic | Min | -78.590 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 29 | SLE | NonStatic | Max | 0.000 | 0.000 | 114.928 | 0.0000 | 0.0000 |
| 29 | SLE | NonStatic | Min | -3.061 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 29 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 128.657 | 0.0000 | 0.0000 |
| 29 | SLE_SISMA_DOWN | NonStatic | Min | -17.354 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 29 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 118.293 | 0.0000 | 0.0000 |
| 29 | SLE_SISMA_UP | NonStatic | Min | -17.533 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 29 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 146.411 | 0.0000 | 0.0000 |
| 29 | SLU_SISMA_DOWN | NonStatic | Min | -39.661 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 29 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 121.705 | 0.0000 | 0.0000 |
| 29 | SLU_SISMA_UP | NonStatic | Min | -38.270 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 30 | SLE | NonStatic | Max | 0.000 | 0.000 | 225.988 | 0.0000 | 0.0000 |
| 30 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 30 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 250.576 | 0.0000 | 0.0000 |
| 30 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 30 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 230.345 | 0.0000 | 0.0000 |
| 30 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 30 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 282.893 | 0.0000 | 0.0000 |
| 30 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 30 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 234.748 | 0.0000 | 0.0000 |
| 30 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 31 | SLE | NonStatic | Max | 0.000 | 0.000 | 206.023 | 0.0000 | 0.0000 |
| 31 | SLE | NonStatic | Min | -40.035 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 31 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 231.296 | 0.0000 | 0.0000 |
| 31 | SLE_SISMA_DOWN | NonStatic | Min | -46.069 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 31 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 213.159 | 0.0000 | 0.0000 |
| 31 | SLE_SISMA_UP | NonStatic | Min | -42.581 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 31 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 266.321 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 31 | SLU_SISMA_DOWN | NonStatic | Min | -54.634 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 31 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 222.581 | 0.0000 | 0.0000 |
| 31 | SLU_SISMA_UP | NonStatic | Min | -46.075 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 32 | SLE | NonStatic | Max | 0.000 | 0.000 | 190.578 | 0.0000 | 0.0000 |
| 32 | SLE | NonStatic | Min | -71.898 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 32 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 216.595 | 0.0000 | 0.0000 |
| 32 | SLE_SISMA_DOWN | NonStatic | Min | -81.753 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 32 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 200.125 | 0.0000 | 0.0000 |
| 32 | SLE_SISMA_UP | NonStatic | Min | -75.541 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 32 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 254.207 | 0.0000 | 0.0000 |
| 32 | SLU_SISMA_DOWN | NonStatic | Min | -96.007 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 32 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 213.930 | 0.0000 | 0.0000 |
| 32 | SLU_SISMA_UP | NonStatic | Min | -80.810 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 33 | SLE | NonStatic | Max | 0.000 | 0.000 | 194.270 | 0.0000 | 0.0000 |
| 33 | SLE | NonStatic | Min | -57.677 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 33 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 217.190 | 0.0000 | 0.0000 |
| 33 | SLE_SISMA_DOWN | NonStatic | Min | -64.519 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 33 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 200.498 | 0.0000 | 0.0000 |
| 33 | SLE_SISMA_UP | NonStatic | Min | -59.565 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 33 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 250.917 | 0.0000 | 0.0000 |
| 33 | SLU_SISMA_DOWN | NonStatic | Min | -74.592 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 33 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 210.353 | 0.0000 | 0.0000 |
| 33 | SLU_SISMA_UP | NonStatic | Min | -62.548 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 34 | SLE | NonStatic | Max | 0.000 | 0.000 | 196.460 | 0.0000 | 0.0000 |
| 34 | SLE | NonStatic | Min | -43.201 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 34 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 216.076 | 0.0000 | 0.0000 |
| 34 | SLE_SISMA_DOWN | NonStatic | Min | -47.550 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 34 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 199.277 | 0.0000 | 0.0000 |
| 34 | SLE_SISMA_UP | NonStatic | Min | -43.857 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 34 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 245.542 | 0.0000 | 0.0000 |
| 34 | SLU_SISMA_DOWN | NonStatic | Min | -54.086 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 34 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 204.967 | 0.0000 | 0.0000 |
| 34 | SLU_SISMA_UP | NonStatic | Min | -45.163 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 35 | SLE | NonStatic | Max | 0.000 | 0.000 | 197.638 | 0.0000 | 0.0000 |
| 35 | SLE | NonStatic | Min | -28.719 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 35 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 213.812 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 35 | SLE_SISMA_DOWN | NonStatic | Min | -31.103 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 35 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 196.964 | 0.0000 | 0.0000 |
| 35 | SLE_SISMA_UP | NonStatic | Min | -28.656 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 35 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 238.692 | 0.0000 | 0.0000 |
| 35 | SLU_SISMA_DOWN | NonStatic | Min | -34.774 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 35 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 198.248 | 0.0000 | 0.0000 |
| 35 | SLU_SISMA_UP | NonStatic | Min | -28.896 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 36 | SLE | NonStatic | Max | 0.000 | 0.000 | 198.184 | 0.0000 | 0.0000 |
| 36 | SLE | NonStatic | Min | -14.324 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 36 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 210.823 | 0.0000 | 0.0000 |
| 36 | SLE_SISMA_DOWN | NonStatic | Min | -15.271 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 36 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 193.944 | 0.0000 | 0.0000 |
| 36 | SLE_SISMA_UP | NonStatic | Min | -14.052 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 36 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 230.831 | 0.0000 | 0.0000 |
| 36 | SLU_SISMA_DOWN | NonStatic | Min | -16.771 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 36 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 190.558 | 0.0000 | 0.0000 |
| 36 | SLU_SISMA_UP | NonStatic | Min | -13.859 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 37 | SLE | NonStatic | Max | 9.326E-14 | 0.000 | 198.339 | 0.0000 | 0.0000 |
| 37 | SLE | NonStatic | Min | -3.053E-15 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 37 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 207.381 | 0.0000 | 0.0000 |
| 37 | SLE_SISMA_DOWN | NonStatic | Min | -0.033 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 37 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 190.462 | 0.0000 | 0.0000 |
| 37 | SLE_SISMA_UP | NonStatic | Min | -0.035 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 37 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 222.258 | 0.0000 | 0.0000 |
| 37 | SLU_SISMA_DOWN | NonStatic | Min | -0.087 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 37 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 182.133 | 0.0000 | 0.0000 |
| 37 | SLU_SISMA_UP | NonStatic | Min | -0.086 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 38 | SLE | NonStatic | Max | 14.324 | 0.000 | 198.184 | 0.0000 | 0.0000 |
| 38 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 38 | SLE_SISMA_DOWN | NonStatic | Max | 14.681 | 0.000 | 203.587 | 0.0000 | 0.0000 |
| 38 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 38 | SLE_SISMA_UP | NonStatic | Max | 13.452 | 0.000 | 186.610 | 0.0000 | 0.0000 |
| 38 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 38 | SLU_SISMA_DOWN | NonStatic | Max | 15.314 | 0.000 | 213.102 | 0.0000 | 0.0000 |
| 38 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 38 | SLU_SISMA_UP | NonStatic | Max | 12.423 | 0.000 | 173.081 | 0.0000 | 0.0000 |
| 38 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 39 | SLE | NonStatic | Max | 28.719 | 0.000 | 197.638 | 0.0000 | 0.0000 |
| 39 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 39 | SLE_SISMA_DOWN | NonStatic | Max | 28.937 | 0.000 | 199.376 | 0.0000 | 0.0000 |
| 39 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 39 | SLE_SISMA_UP | NonStatic | Max | 26.459 | 0.000 | 182.332 | 0.0000 | 0.0000 |
| 39 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 39 | SLU_SISMA_DOWN | NonStatic | Max | 29.456 | 0.000 | 203.333 | 0.0000 | 0.0000 |
| 39 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 39 | SLU_SISMA_UP | NonStatic | Max | 23.654 | 0.000 | 163.395 | 0.0000 | 0.0000 |
| 39 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 40 | SLE | NonStatic | Max | 43.201 | 0.000 | 196.460 | 0.0000 | 0.0000 |
| 40 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 40 | SLE_SISMA_DOWN | NonStatic | Max | 42.739 | 0.000 | 194.523 | 0.0000 | 0.0000 |
| 40 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 40 | SLE_SISMA_UP | NonStatic | Max | 38.979 | 0.000 | 177.433 | 0.0000 | 0.0000 |
| 40 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 40 | SLU_SISMA_DOWN | NonStatic | Max | 42.298 | 0.000 | 192.780 | 0.0000 | 0.0000 |
| 40 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 40 | SLU_SISMA_UP | NonStatic | Max | 33.545 | 0.000 | 152.971 | 0.0000 | 0.0000 |
| 40 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 41 | SLE | NonStatic | Max | 57.677 | 0.000 | 194.270 | 0.0000 | 0.0000 |
| 41 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 41 | SLE_SISMA_DOWN | NonStatic | Max | 55.978 | 0.000 | 188.674 | 0.0000 | 0.0000 |
| 41 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 41 | SLE_SISMA_UP | NonStatic | Max | 50.907 | 0.000 | 171.601 | 0.0000 | 0.0000 |
| 41 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 41 | SLU_SISMA_DOWN | NonStatic | Max | 53.689 | 0.000 | 181.170 | 0.0000 | 0.0000 |
| 41 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 41 | SLU_SISMA_UP | NonStatic | Max | 41.952 | 0.000 | 141.634 | 0.0000 | 0.0000 |
| 41 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 42 | SLE | NonStatic | Max | 71.898 | 0.000 | 190.578 | 0.0000 | 0.0000 |
| 42 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 42 | SLE_SISMA_DOWN | NonStatic | Max | 68.387 | 0.000 | 181.380 | 0.0000 | 0.0000 |
| 42 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 42 | SLE_SISMA_UP | NonStatic | Max | 61.996 | 0.000 | 164.443 | 0.0000 | 0.0000 |
| 42 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 42 | SLU_SISMA_DOWN | NonStatic | Max | 63.335 | 0.000 | 168.161 | 0.0000 | 0.0000 |
| 42 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 42 | SLU_SISMA_UP | NonStatic | Max | 48.629 | 0.000 | 129.177 | 0.0000 | 0.0000 |
| 42 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 43 | SLE | NonStatic | Max | 40.035 | 0.000 | 206.023 | 0.0000 | 0.0000 |
| 43 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 43 | SLE_SISMA_DOWN | NonStatic | Max | 37.498 | 0.000 | 198.792 | 0.0000 | 0.0000 |
| 43 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 43 | SLE_SISMA_UP | NonStatic | Max | 33.909 | 0.000 | 180.585 | 0.0000 | 0.0000 |
| 43 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 43 | SLU_SISMA_DOWN | NonStatic | Max | 33.779 | 0.000 | 189.048 | 0.0000 | 0.0000 |
| 43 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 43 | SLU_SISMA_UP | NonStatic | Max | 25.542 | 0.000 | 146.542 | 0.0000 | 0.0000 |
| 43 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 44 | SLE | NonStatic | Max | 0.000 | 0.000 | 225.988 | 0.0000 | 0.0000 |
| 44 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 44 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 221.074 | 0.0000 | 0.0000 |
| 44 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 44 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 201.237 | 0.0000 | 0.0000 |
| 44 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 44 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 215.536 | 0.0000 | 0.0000 |
| 44 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 44 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 168.581 | 0.0000 | 0.0000 |
| 44 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

## Table: Joint Reactions, Part 2 of 2

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 1 | SLE | Max | 0.0000 |
| 1 | SLE | Min | 0.0000 |
| 1 | SLE_SISMA_DOWN | Max | 0.0000 |
| 1 | SLE_SISMA_DOWN | Min | 0.0000 |
| 1 | SLE_SISMA_UP | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 1 | SLE_SISMA_UP | Min | 0.0000 |
| 1 | SLU_SISMA_DOWN | Max | 0.0000 |
| 1 | SLU_SISMA_DOWN | Min | 0.0000 |
| 1 | SLU_SISMA_UP | Max | 0.0000 |
| 1 | SLU_SISMA_UP | Min | 0.0000 |
| 2 | SLE | Max | 0.0000 |
| 2 | SLE | Min | 0.0000 |
| 2 | SLE_SISMA_DOWN | Max | 0.0000 |
| 2 | SLE_SISMA_DOWN | Min | 0.0000 |
| 2 | SLE_SISMA_UP | Max | 0.0000 |
| 2 | SLE_SISMA_UP | Min | 0.0000 |
| 2 | SLU_SISMA_DOWN | Max | 0.0000 |
| 2 | SLU_SISMA_DOWN | Min | 0.0000 |
| 2 | SLU_SISMA_UP | Max | 0.0000 |
| 2 | SLU_SISMA_UP | Min | 0.0000 |
| 3 | SLE | Max | 0.0000 |
| 3 | SLE | Min | 0.0000 |
| 3 | SLE_SISMA_DOWN | Max | 0.0000 |
| 3 | SLE_SISMA_DOWN | Min | 0.0000 |
| 3 | SLE_SISMA_UP | Max | 0.0000 |
| 3 | SLE_SISMA_UP | Min | 0.0000 |
| 3 | SLU_SISMA_DOWN | Max | 0.0000 |
| 3 | SLU_SISMA_DOWN | Min | 0.0000 |
| 3 | SLU_SISMA_UP | Max | 0.0000 |
| 3 | SLU_SISMA_UP | Min | 0.0000 |
| 4 | SLE | Max | 0.0000 |
| 4 | SLE | Min | 0.0000 |
| 4 | SLE_SISMA_DOWN | Max | 0.0000 |
| 4 | SLE_SISMA_DOWN | Min | 0.0000 |
| 4 | SLE_SISMA_UP | Max | 0.0000 |
| 4 | SLE_SISMA_UP | Min | 0.0000 |
| 4 | SLU_SISMA_DOWN | Max | 0.0000 |
| 4 | SLU_SISMA_DOWN | Min | 0.0000 |
| 4 | SLU_SISMA_UP | Max | 0.0000 |
| 4 | SLU_SISMA_UP | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 5 | SLE | Max | 0.0000 |
| 5 | SLE | Min | 0.0000 |
| 5 | SLE_SISMA_DOWN | Max | 0.0000 |
| 5 | SLE_SISMA_DOWN | Min | 0.0000 |
| 5 | SLE_SISMA_UP | Max | 0.0000 |
| 5 | SLE_SISMA_UP | Min | 0.0000 |
| 5 | SLU_SISMA_DOWN | Max | 0.0000 |
| 5 | SLU_SISMA_DOWN | Min | 0.0000 |
| 5 | SLU_SISMA_UP | Max | 0.0000 |
| 5 | SLU_SISMA_UP | Min | 0.0000 |
| 6 | SLE | Max | 0.0000 |
| 6 | SLE | Min | 0.0000 |
| 6 | SLE_SISMA_DOWN | Max | 0.0000 |
| 6 | SLE_SISMA_DOWN | Min | 0.0000 |
| 6 | SLE_SISMA_UP | Max | 0.0000 |
| 6 | SLE_SISMA_UP | Min | 0.0000 |
| 6 | SLU_SISMA_DOWN | Max | 0.0000 |
| 6 | SLU_SISMA_DOWN | Min | 0.0000 |
| 6 | SLU_SISMA_UP | Max | 0.0000 |
| 6 | SLU_SISMA_UP | Min | 0.0000 |
| 7 | SLE | Max | 0.0000 |
| 7 | SLE | Min | 0.0000 |
| 7 | SLE_SISMA_DOWN | Max | 0.0000 |
| 7 | SLE_SISMA_DOWN | Min | 0.0000 |
| 7 | SLE_SISMA_UP | Max | 0.0000 |
| 7 | SLE_SISMA_UP | Min | 0.0000 |
| 7 | SLU_SISMA_DOWN | Max | 0.0000 |
| 7 | SLU_SISMA_DOWN | Min | 0.0000 |
| 7 | SLU_SISMA_UP | Max | 0.0000 |
| 7 | SLU_SISMA_UP | Min | 0.0000 |
| 8 | SLE | Max | 0.0000 |
| 8 | SLE | Min | 0.0000 |
| 8 | SLE_SISMA_DOWN | Max | 0.0000 |
| 8 | SLE_SISMA_DOWN | Min | 0.0000 |
| 8 | SLE_SISMA_UP | Max | 0.0000 |
| 8 | SLE_SISMA_UP | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 8 | SLU_SISMA_DOWN | Max | 0.0000 |
| 8 | SLU_SISMA_DOWN | Min | 0.0000 |
| 8 | SLU_SISMA_UP | Max | 0.0000 |
| 8 | SLU_SISMA_UP | Min | 0.0000 |
| 9 | SLE | Max | 0.0000 |
| 9 | SLE | Min | 0.0000 |
| 9 | SLE_SISMA_DOWN | Max | 0.0000 |
| 9 | SLE_SISMA_DOWN | Min | 0.0000 |
| 9 | SLE_SISMA_UP | Max | 0.0000 |
| 9 | SLE_SISMA_UP | Min | 0.0000 |
| 9 | SLU_SISMA_DOWN | Max | 0.0000 |
| 9 | SLU_SISMA_DOWN | Min | 0.0000 |
| 9 | SLU_SISMA_UP | Max | 0.0000 |
| 9 | SLU_SISMA_UP | Min | 0.0000 |
| 10 | SLE | Max | 0.0000 |
| 10 | SLE | Min | 0.0000 |
| 10 | SLE_SISMA_DOWN | Max | 0.0000 |
| 10 | SLE_SISMA_DOWN | Min | 0.0000 |
| 10 | SLE_SISMA_UP | Max | 0.0000 |
| 10 | SLE_SISMA_UP | Min | 0.0000 |
| 10 | SLU_SISMA_DOWN | Max | 0.0000 |
| 10 | SLU_SISMA_DOWN | Min | 0.0000 |
| 10 | SLU_SISMA_UP | Max | 0.0000 |
| 10 | SLU_SISMA_UP | Min | 0.0000 |
| 11 | SLE | Max | 0.0000 |
| 11 | SLE | Min | 0.0000 |
| 11 | SLE_SISMA_DOWN | Max | 0.0000 |
| 11 | SLE_SISMA_DOWN | Min | 0.0000 |
| 11 | SLE_SISMA_UP | Max | 0.0000 |
| 11 | SLE_SISMA_UP | Min | 0.0000 |
| 11 | SLU_SISMA_DOWN | Max | 0.0000 |
| 11 | SLU_SISMA_DOWN | Min | 0.0000 |
| 11 | SLU_SISMA_UP | Max | 0.0000 |
| 11 | SLU_SISMA_UP | Min | 0.0000 |
| 12 | SLE | Max | 0.0000 |
| 12 | SLE | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 12 | SLE_SISMA_DOWN | Max | 0.0000 |
| 12 | SLE_SISMA_DOWN | Min | 0.0000 |
| 12 | SLE_SISMA_UP | Max | 0.0000 |
| 12 | SLE_SISMA_UP | Min | 0.0000 |
| 12 | SLU_SISMA_DOWN | Max | 0.0000 |
| 12 | SLU_SISMA_DOWN | Min | 0.0000 |
| 12 | SLU_SISMA_UP | Max | 0.0000 |
| 12 | SLU_SISMA_UP | Min | 0.0000 |
| 13 | SLE | Max | 0.0000 |
| 13 | SLE | Min | 0.0000 |
| 13 | SLE_SISMA_DOWN | Max | 0.0000 |
| 13 | SLE_SISMA_DOWN | Min | 0.0000 |
| 13 | SLE_SISMA_UP | Max | 0.0000 |
| 13 | SLE_SISMA_UP | Min | 0.0000 |
| 13 | SLU_SISMA_DOWN | Max | 0.0000 |
| 13 | SLU_SISMA_DOWN | Min | 0.0000 |
| 13 | SLU_SISMA_UP | Max | 0.0000 |
| 13 | SLU_SISMA_UP | Min | 0.0000 |
| 14 | SLE | Max | 0.0000 |
| 14 | SLE | Min | 0.0000 |
| 14 | SLE_SISMA_DOWN | Max | 0.0000 |
| 14 | SLE_SISMA_DOWN | Min | 0.0000 |
| 14 | SLE_SISMA_UP | Max | 0.0000 |
| 14 | SLE_SISMA_UP | Min | 0.0000 |
| 14 | SLU_SISMA_DOWN | Max | 0.0000 |
| 14 | SLU_SISMA_DOWN | Min | 0.0000 |
| 14 | SLU_SISMA_UP | Max | 0.0000 |
| 14 | SLU_SISMA_UP | Min | 0.0000 |
| 15 | SLE | Max | 0.0000 |
| 15 | SLE | Min | 0.0000 |
| 15 | SLE_SISMA_DOWN | Max | 0.0000 |
| 15 | SLE_SISMA_DOWN | Min | 0.0000 |
| 15 | SLE_SISMA_UP | Max | 0.0000 |
| 15 | SLE_SISMA_UP | Min | 0.0000 |
| 15 | SLU_SISMA_DOWN | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 15 | SLU_SISMA_DOWN | Min | 0.0000 |
| 15 | SLU_SISMA_UP | Max | 0.0000 |
| 15 | SLU_SISMA_UP | Min | 0.0000 |
| 16 | SLE | Max | 0.0000 |
| 16 | SLE | Min | 0.0000 |
| 16 | SLE_SISMA_DOWN | Max | 0.0000 |
| 16 | SLE_SISMA_DOWN | Min | 0.0000 |
| 16 | SLE_SISMA_UP | Max | 0.0000 |
| 16 | SLE_SISMA_UP | Min | 0.0000 |
| 16 | SLU_SISMA_DOWN | Max | 0.0000 |
| 16 | SLU_SISMA_DOWN | Min | 0.0000 |
| 16 | SLU_SISMA_UP | Max | 0.0000 |
| 16 | SLU_SISMA_UP | Min | 0.0000 |
| 17 | SLE | Max | 0.0000 |
| 17 | SLE | Min | 0.0000 |
| 17 | SLE_SISMA_DOWN | Max | 0.0000 |
| 17 | SLE_SISMA_DOWN | Min | 0.0000 |
| 17 | SLE_SISMA_UP | Max | 0.0000 |
| 17 | SLE_SISMA_UP | Min | 0.0000 |
| 17 | SLU_SISMA_DOWN | Max | 0.0000 |
| 17 | SLU_SISMA_DOWN | Min | 0.0000 |
| 17 | SLU_SISMA_UP | Max | 0.0000 |
| 17 | SLU_SISMA_UP | Min | 0.0000 |
| 18 | SLE | Max | 0.0000 |
| 18 | SLE | Min | 0.0000 |
| 18 | SLE_SISMA_DOWN | Max | 0.0000 |
| 18 | SLE_SISMA_DOWN | Min | 0.0000 |
| 18 | SLE_SISMA_UP | Max | 0.0000 |
| 18 | SLE_SISMA_UP | Min | 0.0000 |
| 18 | SLU_SISMA_DOWN | Max | 0.0000 |
| 18 | SLU_SISMA_DOWN | Min | 0.0000 |
| 18 | SLU_SISMA_UP | Max | 0.0000 |
| 18 | SLU_SISMA_UP | Min | 0.0000 |
| 19 | SLE | Max | 0.0000 |
| 19 | SLE | Min | 0.0000 |
| 19 | SLE_SISMA_DOWN | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 19 | SLE_SISMA_DOWN | Min | 0.0000 |
| 19 | SLE_SISMA_UP | Max | 0.0000 |
| 19 | SLE_SISMA_UP | Min | 0.0000 |
| 19 | SLU_SISMA_DOWN | Max | 0.0000 |
| 19 | SLU_SISMA_DOWN | Min | 0.0000 |
| 19 | SLU_SISMA_UP | Max | 0.0000 |
| 19 | SLU_SISMA_UP | Min | 0.0000 |
| 20 | SLE | Max | 0.0000 |
| 20 | SLE | Min | 0.0000 |
| 20 | SLE_SISMA_DOWN | Max | 0.0000 |
| 20 | SLE_SISMA_DOWN | Min | 0.0000 |
| 20 | SLE_SISMA_UP | Max | 0.0000 |
| 20 | SLE_SISMA_UP | Min | 0.0000 |
| 20 | SLU_SISMA_DOWN | Max | 0.0000 |
| 20 | SLU_SISMA_DOWN | Min | 0.0000 |
| 20 | SLU_SISMA_UP | Max | 0.0000 |
| 20 | SLU_SISMA_UP | Min | 0.0000 |
| 21 | SLE | Max | 0.0000 |
| 21 | SLE | Min | 0.0000 |
| 21 | SLE_SISMA_DOWN | Max | 0.0000 |
| 21 | SLE_SISMA_DOWN | Min | 0.0000 |
| 21 | SLE_SISMA_UP | Max | 0.0000 |
| 21 | SLE_SISMA_UP | Min | 0.0000 |
| 21 | SLU_SISMA_DOWN | Max | 0.0000 |
| 21 | SLU_SISMA_DOWN | Min | 0.0000 |
| 21 | SLU_SISMA_UP | Max | 0.0000 |
| 21 | SLU_SISMA_UP | Min | 0.0000 |
| 22 | SLE | Max | 0.0000 |
| 22 | SLE | Min | 0.0000 |
| 22 | SLE_SISMA_DOWN | Max | 0.0000 |
| 22 | SLE_SISMA_DOWN | Min | 0.0000 |
| 22 | SLE_SISMA_UP | Max | 0.0000 |
| 22 | SLE_SISMA_UP | Min | 0.0000 |
| 22 | SLU_SISMA_DOWN | Max | 0.0000 |
| 22 | SLU_SISMA_DOWN | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 22 | SLU_SISMA_UP | Max | 0.0000 |
| 22 | SLU_SISMA_UP | Min | 0.0000 |
| 23 | SLE | Max | 0.0000 |
| 23 | SLE | Min | 0.0000 |
| 23 | SLE_SISMA_DOWN | Max | 0.0000 |
| 23 | SLE_SISMA_DOWN | Min | 0.0000 |
| 23 | SLE_SISMA_UP | Max | 0.0000 |
| 23 | SLE_SISMA_UP | Min | 0.0000 |
| 23 | SLU_SISMA_DOWN | Max | 0.0000 |
| 23 | SLU_SISMA_DOWN | Min | 0.0000 |
| 23 | SLU_SISMA_UP | Max | 0.0000 |
| 23 | SLU_SISMA_UP | Min | 0.0000 |
| 24 | SLE | Max | 0.0000 |
| 24 | SLE | Min | 0.0000 |
| 24 | SLE_SISMA_DOWN | Max | 0.0000 |
| 24 | SLE_SISMA_DOWN | Min | 0.0000 |
| 24 | SLE_SISMA_UP | Max | 0.0000 |
| 24 | SLE_SISMA_UP | Min | 0.0000 |
| 24 | SLU_SISMA_DOWN | Max | 0.0000 |
| 24 | SLU_SISMA_DOWN | Min | 0.0000 |
| 24 | SLU_SISMA_UP | Max | 0.0000 |
| 24 | SLU_SISMA_UP | Min | 0.0000 |
| 25 | SLE | Max | 0.0000 |
| 25 | SLE | Min | 0.0000 |
| 25 | SLE_SISMA_DOWN | Max | 0.0000 |
| 25 | SLE_SISMA_DOWN | Min | 0.0000 |
| 25 | SLE_SISMA_UP | Max | 0.0000 |
| 25 | SLE_SISMA_UP | Min | 0.0000 |
| 25 | SLU_SISMA_DOWN | Max | 0.0000 |
| 25 | SLU_SISMA_DOWN | Min | 0.0000 |
| 25 | SLU_SISMA_UP | Max | 0.0000 |
| 25 | SLU_SISMA_UP | Min | 0.0000 |
| 26 | SLE | Max | 0.0000 |
| 26 | SLE | Min | 0.0000 |
| 26 | SLE_SISMA_DOWN | Max | 0.0000 |
| 26 | SLE_SISMA_DOWN | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 26 | SLE_SISMA_UP | Max | 0.0000 |
| 26 | SLE_SISMA_UP | Min | 0.0000 |
| 26 | SLU_SISMA_DOWN | Max | 0.0000 |
| 26 | SLU_SISMA_DOWN | Min | 0.0000 |
| 26 | SLU_SISMA_UP | Max | 0.0000 |
| 26 | SLU_SISMA_UP | Min | 0.0000 |
| 27 | SLE | Max | 0.0000 |
| 27 | SLE | Min | 0.0000 |
| 27 | SLE_SISMA_DOWN | Max | 0.0000 |
| 27 | SLE_SISMA_DOWN | Min | 0.0000 |
| 27 | SLE_SISMA_UP | Max | 0.0000 |
| 27 | SLE_SISMA_UP | Min | 0.0000 |
| 27 | SLU_SISMA_DOWN | Max | 0.0000 |
| 27 | SLU_SISMA_DOWN | Min | 0.0000 |
| 27 | SLU_SISMA_UP | Max | 0.0000 |
| 27 | SLU_SISMA_UP | Min | 0.0000 |
| 28 | SLE | Max | 0.0000 |
| 28 | SLE | Min | 0.0000 |
| 28 | SLE_SISMA_DOWN | Max | 0.0000 |
| 28 | SLE_SISMA_DOWN | Min | 0.0000 |
| 28 | SLE_SISMA_UP | Max | 0.0000 |
| 28 | SLE_SISMA_UP | Min | 0.0000 |
| 28 | SLU_SISMA_DOWN | Max | 0.0000 |
| 28 | SLU_SISMA_DOWN | Min | 0.0000 |
| 28 | SLU_SISMA_UP | Max | 0.0000 |
| 28 | SLU_SISMA_UP | Min | 0.0000 |
| 29 | SLE | Max | 0.0000 |
| 29 | SLE | Min | 0.0000 |
| 29 | SLE_SISMA_DOWN | Max | 0.0000 |
| 29 | SLE_SISMA_DOWN | Min | 0.0000 |
| 29 | SLE_SISMA_UP | Max | 0.0000 |
| 29 | SLE_SISMA_UP | Min | 0.0000 |
| 29 | SLU_SISMA_DOWN | Max | 0.0000 |
| 29 | SLU_SISMA_DOWN | Min | 0.0000 |
| 29 | SLU_SISMA_UP | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 29 | SLU_SISMA_UP | Min | 0.0000 |
| 30 | SLE | Max | 0.0000 |
| 30 | SLE | Min | 0.0000 |
| 30 | SLE_SISMA_DOWN | Max | 0.0000 |
| 30 | SLE_SISMA_DOWN | Min | 0.0000 |
| 30 | SLE_SISMA_UP | Max | 0.0000 |
| 30 | SLE_SISMA_UP | Min | 0.0000 |
| 30 | SLU_SISMA_DOWN | Max | 0.0000 |
| 30 | SLU_SISMA_DOWN | Min | 0.0000 |
| 30 | SLU_SISMA_UP | Max | 0.0000 |
| 30 | SLU_SISMA_UP | Min | 0.0000 |
| 31 | SLE | Max | 0.0000 |
| 31 | SLE | Min | 0.0000 |
| 31 | SLE_SISMA_DOWN | Max | 0.0000 |
| 31 | SLE_SISMA_DOWN | Min | 0.0000 |
| 31 | SLE_SISMA_UP | Max | 0.0000 |
| 31 | SLE_SISMA_UP | Min | 0.0000 |
| 31 | SLU_SISMA_DOWN | Max | 0.0000 |
| 31 | SLU_SISMA_DOWN | Min | 0.0000 |
| 31 | SLU_SISMA_UP | Max | 0.0000 |
| 31 | SLU_SISMA_UP | Min | 0.0000 |
| 32 | SLE | Max | 0.0000 |
| 32 | SLE | Min | 0.0000 |
| 32 | SLE_SISMA_DOWN | Max | 0.0000 |
| 32 | SLE_SISMA_DOWN | Min | 0.0000 |
| 32 | SLE_SISMA_UP | Max | 0.0000 |
| 32 | SLE_SISMA_UP | Min | 0.0000 |
| 32 | SLU_SISMA_DOWN | Max | 0.0000 |
| 32 | SLU_SISMA_DOWN | Min | 0.0000 |
| 32 | SLU_SISMA_UP | Max | 0.0000 |
| 32 | SLU_SISMA_UP | Min | 0.0000 |
| 33 | SLE | Max | 0.0000 |
| 33 | SLE | Min | 0.0000 |
| 33 | SLE_SISMA_DOWN | Max | 0.0000 |
| 33 | SLE_SISMA_DOWN | Min | 0.0000 |
| 33 | SLE_SISMA_UP | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 33 | SLE_SISMA_UP | Min | 0.0000 |
| 33 | SLU_SISMA_DOWN | Max | 0.0000 |
| 33 | SLU_SISMA_DOWN | Min | 0.0000 |
| 33 | SLU_SISMA_UP | Max | 0.0000 |
| 33 | SLU_SISMA_UP | Min | 0.0000 |
| 34 | SLE | Max | 0.0000 |
| 34 | SLE | Min | 0.0000 |
| 34 | SLE_SISMA_DOWN | Max | 0.0000 |
| 34 | SLE_SISMA_DOWN | Min | 0.0000 |
| 34 | SLE_SISMA_UP | Max | 0.0000 |
| 34 | SLE_SISMA_UP | Min | 0.0000 |
| 34 | SLU_SISMA_DOWN | Max | 0.0000 |
| 34 | SLU_SISMA_DOWN | Min | 0.0000 |
| 34 | SLU_SISMA_UP | Max | 0.0000 |
| 34 | SLU_SISMA_UP | Min | 0.0000 |
| 35 | SLE | Max | 0.0000 |
| 35 | SLE | Min | 0.0000 |
| 35 | SLE_SISMA_DOWN | Max | 0.0000 |
| 35 | SLE_SISMA_DOWN | Min | 0.0000 |
| 35 | SLE_SISMA_UP | Max | 0.0000 |
| 35 | SLE_SISMA_UP | Min | 0.0000 |
| 35 | SLU_SISMA_DOWN | Max | 0.0000 |
| 35 | SLU_SISMA_DOWN | Min | 0.0000 |
| 35 | SLU_SISMA_UP | Max | 0.0000 |
| 35 | SLU_SISMA_UP | Min | 0.0000 |
| 36 | SLE | Max | 0.0000 |
| 36 | SLE | Min | 0.0000 |
| 36 | SLE_SISMA_DOWN | Max | 0.0000 |
| 36 | SLE_SISMA_DOWN | Min | 0.0000 |
| 36 | SLE_SISMA_UP | Max | 0.0000 |
| 36 | SLE_SISMA_UP | Min | 0.0000 |
| 36 | SLU_SISMA_DOWN | Max | 0.0000 |
| 36 | SLU_SISMA_DOWN | Min | 0.0000 |
| 36 | SLU_SISMA_UP | Max | 0.0000 |
| 36 | SLU_SISMA_UP | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 37 | SLE | Max | 0.0000 |
| 37 | SLE | Min | 0.0000 |
| 37 | SLE_SISMA_DOWN | Max | 0.0000 |
| 37 | SLE_SISMA_DOWN | Min | 0.0000 |
| 37 | SLE_SISMA_UP | Max | 0.0000 |
| 37 | SLE_SISMA_UP | Min | 0.0000 |
| 37 | SLU_SISMA_DOWN | Max | 0.0000 |
| 37 | SLU_SISMA_DOWN | Min | 0.0000 |
| 37 | SLU_SISMA_UP | Max | 0.0000 |
| 37 | SLU_SISMA_UP | Min | 0.0000 |
| 38 | SLE | Max | 0.0000 |
| 38 | SLE | Min | 0.0000 |
| 38 | SLE_SISMA_DOWN | Max | 0.0000 |
| 38 | SLE_SISMA_DOWN | Min | 0.0000 |
| 38 | SLE_SISMA_UP | Max | 0.0000 |
| 38 | SLE_SISMA_UP | Min | 0.0000 |
| 38 | SLU_SISMA_DOWN | Max | 0.0000 |
| 38 | SLU_SISMA_DOWN | Min | 0.0000 |
| 38 | SLU_SISMA_UP | Max | 0.0000 |
| 38 | SLU_SISMA_UP | Min | 0.0000 |
| 39 | SLE | Max | 0.0000 |
| 39 | SLE | Min | 0.0000 |
| 39 | SLE_SISMA_DOWN | Max | 0.0000 |
| 39 | SLE_SISMA_DOWN | Min | 0.0000 |
| 39 | SLE_SISMA_UP | Max | 0.0000 |
| 39 | SLE_SISMA_UP | Min | 0.0000 |
| 39 | SLU_SISMA_DOWN | Max | 0.0000 |
| 39 | SLU_SISMA_DOWN | Min | 0.0000 |
| 39 | SLU_SISMA_UP | Max | 0.0000 |
| 39 | SLU_SISMA_UP | Min | 0.0000 |
| 40 | SLE | Max | 0.0000 |
| 40 | SLE | Min | 0.0000 |
| 40 | SLE_SISMA_DOWN | Max | 0.0000 |
| 40 | SLE_SISMA_DOWN | Min | 0.0000 |
| 40 | SLE_SISMA_UP | Max | 0.0000 |
| 40 | SLE_SISMA_UP | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 40 | SLU_SISMA_DOWN | Max | 0.0000 |
| 40 | SLU_SISMA_DOWN | Min | 0.0000 |
| 40 | SLU_SISMA_UP | Max | 0.0000 |
| 40 | SLU_SISMA_UP | Min | 0.0000 |
| 41 | SLE | Max | 0.0000 |
| 41 | SLE | Min | 0.0000 |
| 41 | SLE_SISMA_DOWN | Max | 0.0000 |
| 41 | SLE_SISMA_DOWN | Min | 0.0000 |
| 41 | SLE_SISMA_UP | Max | 0.0000 |
| 41 | SLE_SISMA_UP | Min | 0.0000 |
| 41 | SLU_SISMA_DOWN | Max | 0.0000 |
| 41 | SLU_SISMA_DOWN | Min | 0.0000 |
| 41 | SLU_SISMA_UP | Max | 0.0000 |
| 41 | SLU_SISMA_UP | Min | 0.0000 |
| 42 | SLE | Max | 0.0000 |
| 42 | SLE | Min | 0.0000 |
| 42 | SLE_SISMA_DOWN | Max | 0.0000 |
| 42 | SLE_SISMA_DOWN | Min | 0.0000 |
| 42 | SLE_SISMA_UP | Max | 0.0000 |
| 42 | SLE_SISMA_UP | Min | 0.0000 |
| 42 | SLU_SISMA_DOWN | Max | 0.0000 |
| 42 | SLU_SISMA_DOWN | Min | 0.0000 |
| 42 | SLU_SISMA_UP | Max | 0.0000 |
| 42 | SLU_SISMA_UP | Min | 0.0000 |
| 43 | SLE | Max | 0.0000 |
| 43 | SLE | Min | 0.0000 |
| 43 | SLE_SISMA_DOWN | Max | 0.0000 |
| 43 | SLE_SISMA_DOWN | Min | 0.0000 |
| 43 | SLE_SISMA_UP | Max | 0.0000 |
| 43 | SLE_SISMA_UP | Min | 0.0000 |
| 43 | SLU_SISMA_DOWN | Max | 0.0000 |
| 43 | SLU_SISMA_DOWN | Min | 0.0000 |
| 43 | SLU_SISMA_UP | Max | 0.0000 |
| 43 | SLU_SISMA_UP | Min | 0.0000 |
| 44 | SLE | Max | 0.0000 |
| 44 | SLE | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 KN-m |
|---|---|---|---|
| 44 | SLE_SISMA_DOWN | Max | 0.0000 |
| 44 | SLE_SISMA_DOWN | Min | 0.0000 |
| 44 | SLE_SISMA_UP | Max | 0.0000 |
| 44 | SLE_SISMA_UP | Min | 0.0000 |
| 44 | SLU_SISMA_DOWN | Max | 0.0000 |
| 44 | SLU_SISMA_DOWN | Min | 0.0000 |
| 44 | SLU_SISMA_UP | Max | 0.0000 |
| 44 | SLU_SISMA_UP | Min | 0.0000 |

## Table: Load Case Definitions, Part 1 of 2

**Table: Load Case Definitions, Part 1 of 2**

| Case | Type | InitialCond | ModalCase | BaseCase | DesTypeOpt | DesignType | AutoType |
|---|---|---|---|---|---|---|---|
| SLE | NonStatic | Zero | | | Prog Det | DEAD | None |
| SLE_SISMA_DOWN | NonStatic | Zero | | | Prog Det | DEAD | None |
| SLE_SISMA_UP | NonStatic | Zero | | | Prog Det | DEAD | None |
| SLU_SISMA_DOWN | NonStatic | Zero | | | Prog Det | DEAD | None |
| SLU_SISMA_UP | NonStatic | Zero | | | Prog Det | DEAD | None |

## Table: Load Case Definitions, Part 2 of 2

**Table: Load Case Definitions, Part 2 of 2**

| Case | RunCase | CaseStatus | GUID | Notes |
|---|---|---|---|---|
| SLE | Yes | Finished | | |
| SLE_SISMA_DOWN | Yes | Finished | | |
| SLE_SISMA_UP | Yes | Finished | | |
| SLU_SISMA_DOWN | Yes | Finished | | |
| SLU_SISMA_UP | Yes | Finished | | |

## Table: Load Pattern Definitions

**Table: Load Pattern Definitions**

| LoadPat | DesignType | SelfWtMult | AutoLoad | GUID | Notes |
|---|---|---|---|---|---|
| DEAD | DEAD | 1.000000 | | | |
| PV_SLE | DEAD | 0.000000 | | | |
| PHSX_SLE | DEAD | 0.000000 | | | |
| PHDX_SLE | DEAD | 0.000000 | | | |
| PV_SLE_SISMA_DOWN | DEAD | 0.000000 | | | |
| PHSX_SLE_SISMA | DEAD | 0.000000 | | | |

**Table: Load Pattern Definitions**

| LoadPat | DesignType | SelfWtMult | AutoLoad | GUID | Notes |
|---|---|---|---|---|---|
| PHDX_SLE_SISMA | DEAD | 0.000000 | | | |
| PV_SLE_SISMA_UP | DEAD | 0.000000 | | | |
| DEAD_SLE_SISMA_DOWN | DEAD | 1.056000 | | | |
| DEAD_SLE_SISMA_UP | DEAD | 0.944000 | | | |
| DEAD_SLU_SISMA_DOWN | DEAD | 1.131000 | | | |
| DEAD_SLU_SISMA_UP | DEAD | 0.869000 | | | |
| PV_SLU_SISMA_DOWN | DEAD | 0.000000 | | | |
| PV_SLU_SISMA_UP | DEAD | 0.000000 | | | |
| PHSX_SLU_SISMA | DEAD | 0.000000 | | | |
| PHDX_SLU_SISMA | DEAD | 0.000000 | | | |

## Table: Masses 1 - Mass Source

**Table: Masses 1 - Mass Source**

| MassFrom |
|---|
| Elements |

## Table: Material List 1 - By Object Type

**Table: Material List 1 - By Object Type**

| ObjectType | Material | TotalWeight KN | NumPieces |
|---|---|---|---|
| Frame | CONC Rck 30 MPa | 838.968 | 46 |

## Table: Material List 2 - By Section Property

**Table: Material List 2 - By Section Property**

| Section | ObjectType | NumPieces | TotalLength m | TotalWeight KN |
|---|---|---|---|---|
| 100 | Frame | 18 | 18.57299 | 464.325 |
| 120 | Frame | 6 | 6.63764 | 199.129 |
| 120_123 | Frame | 1 | 1.10627 | 0.000 |
| 120_126 | Frame | 1 | 0.84789 | 26.073 |
| 120_129 | Frame | 1 | 1.10627 | 0.000 |
| 123_120 | Frame | 1 | 1.10627 | 0.000 |
| 123_146 | Frame | 1 | 1.10627 | 0.000 |
| 126_120 | Frame | 1 | 0.84789 | 26.073 |
| 126_142 | Frame | 1 | 0.84789 | 28.404 |
| 129_120 | Frame | 1 | 1.10627 | 0.000 |
| 129_162 | Frame | 1 | 1.10627 | 0.000 |
| 142_126 | Frame | 1 | 0.84789 | 28.404 |
| 142_172 | Frame | 1 | 0.84789 | 33.280 |
| 146_123 | Frame | 1 | 1.10627 | 0.000 |
| 146_191 | Frame | 1 | 1.10627 | 0.000 |
| 162_129 | Frame | 1 | 1.10627 | 0.000 |
| 162_218 | Frame | 1 | 1.10627 | 0.000 |
| 172_142 | Frame | 1 | 0.84789 | 33.280 |
| 172_228 | Frame | 1 | 1.02176 | 0.000 |

**Table: Material List 2 - By Section Property**

| Section | ObjectType | NumPieces | TotalLength | TotalWeight |
|---|---|---|---|---|
| | | | m | KN |
| 191_146 | Frame | 1 | 1.10627 | 0.000 |
| 191_218 | Frame | 1 | 1.10627 | 0.000 |
| 218_162 | Frame | 1 | 1.10627 | 0.000 |
| 218_191 | Frame | 1 | 1.10627 | 0.000 |
| 228_172 | Frame | 1 | 1.02176 | 0.000 |

## Table: Material Properties 01 - General, Part 1 of 2

**Table: Material Properties 01 - General, Part 1 of 2**

| Material | Type | SymType | TempDepend | Color | GUID |
|---|---|---|---|---|---|
| 4000Psi | Concrete | Isotropic | No | White | |
| A615Gr60 | Rebar | Uniaxial | No | White | |
| A992Fy50 | Steel | Isotropic | No | Yellow | |
| CONC Rck 30 MPa | Concrete | Isotropic | No | Blue | |

## Table: Material Properties 01 - General, Part 2 of 2

**Table: Material Properties 01 - General, Part 2 of 2**

| Material | Notes |
|---|---|
| 4000Psi | Normalweight f'c = 4 ksi added 27/10/2008 10.39.32 |
| A615Gr60 | ASTM A615 Grade 60 added 27/10/2008 11.23.34 |
| A992Fy50 | ASTM A992 Fy=50 ksi added 27/10/2008 10.39.32 |
| CONC Rck 30 MPa | ASTM A36 added 27/10/2008 11.17.40 |

## Table: Material Properties 02 - Basic Mechanical Properties

**Table: Material Properties 02 - Basic Mechanical Properties**

| Material | UnitWeight | UnitMass | E1 | G12 | U12 | A1 |
|---|---|---|---|---|---|---|
| | KN/m3 | KN-s2/m4 | KN/m2 | KN/m2 | | 1/C |
| 4000Psi | 2.3563E+01 | 2.4028E+00 | 24855578.28 | 10356490.95 | 0.200000 | 9.9000E-06 |
| A615Gr60 | 7.6973E+01 | 7.8490E+00 | 199947978.8 | | | 1.1700E-05 |
| A992Fy50 | 7.6973E+01 | 7.8490E+00 | 199947978.8 | 76903068.77 | 0.300000 | 1.1700E-05 |
| CONC Rck 30 MPa | 2.5000E+01 | 2.5493E+00 | 31447000.00 | 13102916.67 | 0.200000 | 5.5000E-06 |

## Table: Material Properties 03a - Steel Data, Part 1 of 2

**Table: Material Properties 03a - Steel Data, Part 1 of 2**

| Material | Fy | Fu | EffFy | EffFu | SSCurveOpt | SSHysType | SHard | SMax |
|---|---|---|---|---|---|---|---|---|
| | KN/m2 | KN/m2 | KN/m2 | KN/m2 | | | | |
| A992Fy50 | 344737.89 | 448159.26 | 379211.68 | 492975.19 | Simple | Kinematic | 0.015000 | 0.110000 |

## Table: Material Properties 03a - Steel Data, Part 2 of 2

**Table: Material Properties 03a - Steel Data, Part 2 of 2**

| Material | SRup | FinalSlope |
|---|---|---|
| A992Fy50 | 0.170000 | -0.100000 |

## Table: Material Properties 03b - Concrete Data, Part 1 of 2

**Table: Material Properties 03b - Concrete Data, Part 1 of 2**

| Material | Fc | LtWtConc | SSCurveOpt | SSHysType | SFc | SCap | FinalSlope | FAngle |
|---|---|---|---|---|---|---|---|---|
| | KN/m2 | | | | | | | Degrees |
| 4000Psi | 27579.03 | No | Mander | Takeda | 0.002000 | 0.005000 | -0.100000 | 0.000 |
| CONC Rck 30 MPa | 24900.00 | No | Mander | Takeda | 0.002000 | 0.005000 | -0.100000 | 0.000 |

## Table: Material Properties 03b - Concrete Data, Part 2 of 2

**Table: Material Properties 03b - Concrete Data, Part 2 of 2**

| Material | DAngle |
|---|---|
| | Degrees |
| 4000Psi | 0.000 |
| CONC Rck 30 MPa | 0.000 |

## Table: Material Properties 03e - Rebar Data, Part 1 of 2

**Table: Material Properties 03e - Rebar Data, Part 1 of 2**

| Material | Fy | Fu | EffFy | EffFu | SSCurveOpt | SSHysType | SHard | SCap |
|---|---|---|---|---|---|---|---|---|
| | KN/m2 | KN/m2 | KN/m2 | KN/m2 | | | | |
| A615Gr60 | 413685.47 | 620528.21 | 455054.02 | 682581.03 | Simple | Kinematic | 0.010000 | 0.090000 |

## Table: Material Properties 03e - Rebar Data, Part 2 of 2

**Table: Material Properties 03e - Rebar Data, Part 2 of 2**

| Material | FinalSlope | UseCTDef |
|---|---|---|
| A615Gr60 | -0.100000 | No |

## Table: Material Properties 06 - Damping Parameters

**Table: Material Properties 06 - Damping Parameters**

| Material | ModalRatio | VisMass | VisStiff | HysMass | HysStiff |
|---|---|---|---|---|---|
| | | 1/Sec | Sec | 1/Sec2 | |
| 4000Psi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000000 |
| A615Gr60 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000000 |
| A992Fy50 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000000 |
| CONC Rck 30 MPa | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000000 |

## Table: Objects And Elements - Frames

**Table: Objects And Elements - Frames**

| FrameElem | FrameObject | ElemJtI | ElemJtJ |
|---|---|---|---|
| 1-1 | 1 | 1 | 2 |
| 2-1 | 2 | 2 | 3 |
| 3-1 | 3 | 3 | 4 |
| 4-1 | 4 | 4 | 5 |
| 5-1 | 5 | 5 | 6 |
| 6-1 | 6 | 6 | 7 |
| 7-1 | 7 | 7 | 8 |
| 8-1 | 8 | 8 | 9 |
| 9-1 | 9 | 9 | 10 |
| 10-1 | 10 | 10 | 11 |
| 11-1 | 11 | 11 | 12 |
| 12-1 | 12 | 12 | 13 |
| 13-1 | 13 | 13 | 14 |
| 14-1 | 14 | 14 | 15 |
| 15-1 | 15 | 15 | 16 |
| 16-1 | 16 | 16 | 17 |
| 17-1 | 17 | 17 | 18 |
| 18-1 | 18 | 18 | 19 |
| 19-1 | 19 | 19 | 20 |
| 20-1 | 20 | 20 | 21 |
| 21-1 | 21 | 21 | 22 |
| 22-1 | 22 | 22 | 23 |
| 23-1 | 23 | 23 | 24 |
| 24-1 | 24 | 24 | 25 |
| 25-1 | 25 | 25 | 26 |
| 26-1 | 26 | 26 | 27 |
| 27-1 | 27 | 27 | 28 |
| 28-1 | 28 | 28 | 29 |
| 29-1 | 29 | 29 | 30 |
| 30-1 | 30 | 30 | 31 |
| 31-1 | 31 | 31 | 32 |
| 32-1 | 32 | 32 | 33 |
| 33-1 | 33 | 33 | 34 |
| 34-1 | 34 | 34 | 35 |
| 35-1 | 35 | 35 | 36 |
| 36-1 | 36 | 36 | 37 |
| 37-1 | 37 | 37 | 38 |
| 38-1 | 38 | 38 | 39 |
| 39-1 | 39 | 39 | 40 |
| 40-1 | 40 | 40 | 41 |
| 41-1 | 41 | 41 | 42 |
| 42-1 | 42 | 42 | 43 |
| 43-1 | 43 | 43 | 44 |
| 44-1 | 44 | 44 | 1 |
| 45-1 | 45 | 2 | 43 |
| 46-1 | 46 | 31 | 28 |

## Table: Objects And Elements - Joints

**Table: Objects And Elements - Joints**

| JointElem | JointObject | GlobalX | GlobalY | GlobalZ |
|---|---|---|---|---|
| | | m | m | m |
| 1 | 1 | 19.39655 | 0.00000 | 13.71779 |
| 2 | 2 | 19.39655 | 0.00000 | 14.73955 |
| 3 | 3 | 19.39655 | 0.00000 | 15.58745 |

**Table: Objects And Elements - Joints**

| JointElem | JointObject | GlobalX | GlobalY | GlobalZ |
|---|---|---|---|---|
| | | m | m | m |
| 4 | 4 | 19.39655 | 0.00000 | 16.43534 |
| 5 | 5 | 19.39655 | 0.00000 | 17.28324 |
| 6 | 6 | 19.48334 | 0.00000 | 18.38610 |
| 7 | 7 | 19.74160 | 0.00000 | 19.46181 |
| 8 | 8 | 20.16495 | 0.00000 | 20.48387 |
| 9 | 9 | 20.74298 | 0.00000 | 21.42712 |
| 10 | 10 | 21.46144 | 0.00000 | 22.26834 |
| 11 | 11 | 22.30266 | 0.00000 | 22.98681 |
| 12 | 12 | 23.24591 | 0.00000 | 23.56483 |
| 13 | 13 | 24.26798 | 0.00000 | 23.98819 |
| 14 | 14 | 25.34368 | 0.00000 | 24.24644 |
| 15 | 15 | 26.44655 | 0.00000 | 24.33324 |
| 16 | 16 | 27.54941 | 0.00000 | 24.24644 |
| 17 | 17 | 28.62512 | 0.00000 | 23.98819 |
| 18 | 18 | 29.64718 | 0.00000 | 23.56483 |
| 19 | 19 | 30.59043 | 0.00000 | 22.98681 |
| 20 | 20 | 31.43165 | 0.00000 | 22.26834 |
| 21 | 21 | 32.15012 | 0.00000 | 21.42712 |
| 22 | 22 | 32.72814 | 0.00000 | 20.48387 |
| 23 | 23 | 33.15150 | 0.00000 | 19.46181 |
| 24 | 24 | 33.40975 | 0.00000 | 18.38610 |
| 25 | 25 | 33.49655 | 0.00000 | 17.28324 |
| 26 | 26 | 33.49655 | 0.00000 | 16.43534 |
| 27 | 27 | 33.49655 | 0.00000 | 15.58745 |
| 28 | 28 | 33.49655 | 0.00000 | 14.73955 |
| 29 | 29 | 33.49655 | 0.00000 | 13.71779 |
| 30 | 30 | 32.59666 | 0.00000 | 13.71779 |
| 31 | 31 | 31.69677 | 0.00000 | 13.71779 |
| 32 | 32 | 30.86426 | 0.00000 | 13.36841 |
| 33 | 33 | 30.00869 | 0.00000 | 13.08004 |
| 34 | 34 | 29.13455 | 0.00000 | 12.85417 |
| 35 | 35 | 28.24638 | 0.00000 | 12.69199 |
| 36 | 36 | 27.34881 | 0.00000 | 12.59434 |
| 37 | 37 | 26.44655 | 0.00000 | 12.56174 |
| 38 | 38 | 25.54428 | 0.00000 | 12.59434 |
| 39 | 39 | 24.64672 | 0.00000 | 12.69199 |
| 40 | 40 | 23.75855 | 0.00000 | 12.85417 |
| 41 | 41 | 22.88440 | 0.00000 | 13.08004 |
| 42 | 42 | 22.02884 | 0.00000 | 13.36841 |
| 43 | 43 | 21.19632 | 0.00000 | 13.71779 |
| 44 | 44 | 20.29643 | 0.00000 | 13.71779 |

## Table: Options - Colors - Display, Part 1 of 4

**Table: Options - Colors - Display, Part 1 of 4**

| DeviceType | Points | LinesFrame | LinesFrmExt | LinesCable | LinesTendon | SpringLinks | Restraints |
|---|---|---|---|---|---|---|---|
| Screen | Yellow | Yellow | Yellow | Green | Green | Green | Green |
| Printer | Gray8Dark | Black | Gray4 | Black | Black | Gray8Dark | Gray8Dark |
| Color Printer | Black | 7303023 | White | Green | Green | Green | 9408399 |

## Table: Options - Colors - Display, Part 2 of 4

**Table: Options - Colors - Display, Part 2 of 4**

| Releases | Axes | Text | ShadowLines | GuideLines | Highlight | Selection | AreaFillBot | AreaFillTop |
|---|---|---|---|---|---|---|---|---|
| Green | Cyan | Green | Gray8Dark | Gray8Dark | Red | White | Red | 16744703 |
| Gray4 | Black | Black | Gray4 | Gray4 | Black | Black | Gray4 | Gray8Dark |
| Green | Cyan | Black | Gray8Dark | 10461087 | Red | 10504778 | 16634568 | 14277119 |

## Table: Options - Colors - Display, Part 3 of 4

**Table: Options - Colors - Display, Part 3 of 4**

| AreaFillSd | AreaEdge | SolidF1 | SolidF2 | SolidF3 | SolidF4 | SolidF5 | SolidF6 | SolidEdge |
|---|---|---|---|---|---|---|---|---|
| Red | DarkRed | Red | Blue | Green | Yellow | White | Cyan | DarkRed |
| Gray4 | Black | Gray1Light | Gray2 | Gray3 | Gray4 | Gray5 | Gray6 | Black |
| 16634568 | 7303023 | 10122991 | 16756912 | 11599795 | 12713983 | White | 16777128 | 7303023 |

## Table: Options - Colors - Display, Part 4 of 4

**Table: Options - Colors - Display, Part 4 of 4**

| Floor | Background | BGLowLeft | BGLowRight | BGUpRight | Darkness |
|---|---|---|---|---|---|
| Gray4 | White | White | White | White | 0.500000 |
| Gray4 | White | White | White | White | 0.500000 |
| 13619151 | White | White | 14671839 | White | 0.500000 |

## Table: Options - Colors - Output, Part 1 of 4

**Table: Options - Colors - Output, Part 1 of 4**

| DeviceType | Contour1 | Contour2 | Contour3 | Contour4 | Contour5 | Contour6 | Contour7 |
|---|---|---|---|---|---|---|---|
| Screen | 13107400 | 6553828 | Red | 16639 | Orange | 43775 | 54527 |
| Printer | Black | 3158064 | 4210752 | 5263440 | 6316128 | 7368816 | Gray8Dark |
| Color Printer | 13107400 | 6553828 | Red | 16639 | Orange | 43775 | 54527 |

## Table: Options - Colors - Output, Part 2 of 4

**Table: Options - Colors - Output, Part 2 of 4**

| Contour8 | Contour9 | Contour10 | Contour11 | Contour12 | Contour13 | Contour14 | Contour15 | Transpare |
|---|---|---|---|---|---|---|---|---|
| Yellow | 65408 | Green | 8453888 | Cyan | 16755200 | 16733440 | Blue | 0.500000 |
| Gray7 | Gray6 | Gray5 | Gray4 | Gray3 | Gray2 | Gray1Light | White | 0.000000 |
| Yellow | 65408 | Green | 8453888 | Cyan | 16755200 | 16733440 | Blue | 0.500000 |

## Table: Options - Colors - Output, Part 3 of 4

**Table: Options - Colors - Output, Part 3 of 4**

| Ratio1 | Ratio2 | Ratio3 | Ratio4 | Ratio5 | RatioNotD | RatioNotC | RatioVal1 | RatioVal2 |
|---|---|---|---|---|---|---|---|---|
| Cyan | Green | Yellow | Orange | Red | Gray4 | Red | 0.500000 | 0.700000 |
| Gray2 | Gray4 | Gray8Dark | 4210752 | Black | Gray4 | Black | 0.500000 | 0.700000 |
| Cyan | Green | Yellow | Orange | Red | Gray4 | Red | 0.500000 | 0.700000 |

## Table: Options - Colors - Output, Part 4 of 4

**Table: Options - Colors - Output, Part 4 of 4**

| RatioVal3 | RatioVal4 | DFillPos | DFillNeg | DFillRPos | DFillRNeg |
|---|---|---|---|---|---|
| 0.900000 | 1.000000 | Yellow | Red | Blue | Cyan |
| 0.900000 | 1.000000 | Gray8Dark | Gray8Dark | 4210752 | 4210752 |
| 0.900000 | 1.000000 | Red | Red | Blue | Blue |

## Table: Overwrites - Concrete Design - ACI 318-05/IBC2003, Part 1 of 2

**Table: Overwrites - Concrete Design - ACI 318-05/IBC2003, Part 1 of 2**

| Frame | DesignSect | FrameType | RLLF | XLMajor | XLMinor | XKMajor |
|---|---|---|---|---|---|---|
| 1 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 2 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 3 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 4 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 5 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 6 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 7 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 8 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 9 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 10 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 11 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 12 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 13 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 14 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 15 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 16 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 17 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 18 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 19 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 20 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 21 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 22 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 23 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 24 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 25 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 26 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 27 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 28 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 29 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 30 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 31 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 32 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 33 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 34 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 35 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 36 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 37 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 38 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 39 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 40 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 42 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 43 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 45 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 46 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

## Table: Overwrites - Concrete Design - ACI 318-05/IBC2003, Part 2 of 2

**Table: Overwrites - Concrete Design - ACI 318-05/IBC2003, Part 2 of 2**

| Frame | XKMinor | CmMajor | CmMinor | DnsMajor | DnsMinor | DsMajor | DsMinor |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 13 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 14 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 15 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 16 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 17 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 30 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 31 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 32 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 33 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 34 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 35 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 36 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 37 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 38 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 39 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 40 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 42 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 43 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 45 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 46 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

## Table: Preferences - Aluminum Design - AA-ASD 2000

**Table: Preferences - Aluminum Design - AA-ASD 2000**

| THDesign | FrameType | SRatioLimit | MaxIter | LatFact | UseLatFact | Bridge |
|---|---|---|---|---|---|---|
| Envelopes | Moment Frame | 1.000000 | 1 | 1.333333 | No | No |

## Table: Preferences - Cold Formed Design - AISI-ASD96, Part 1 of 2

**Table: Preferences - Cold Formed Design - AISI-ASD96, Part 1 of 2**

| THDesign | FrameType | SRatioLimit | MaxIter | OmegaBS | OmegaBUS | OmegaBLTB | OmegaVS | OmegaVNS |
|---|---|---|---|---|---|---|---|---|
| Envelopes | Braced Frame | 1.000000 | 1 | 1.670000 | 1.670000 | 1.670000 | 1.670000 | 1.500000 |

## Table: Preferences - Cold Formed Design - AISI-ASD96, Part 2 of 2

**Table: Preferences - Cold Formed Design - AISI-ASD96, Part 2 of 2**

| OmegaT | OmegaC |
|---|---|
| 1.670000 | 1.800000 |

## Table: Preferences - Concrete Design - ACI 318-05/IBC2003, Part 1 of 2

**Table: Preferences - Concrete Design - ACI 318-05/IBC2003, Part 1 of 2**

| THDesign | NumCurves | NumPoints | MinEccen | PatLLF | UFLimit | SeisCat | PhiT | PhiCTied |
|---|---|---|---|---|---|---|---|---|
| Envelopes | 24 | 11 | Yes | 0.750000 | 0.950000 | D | 0.900000 | 0.650000 |

## Table: Preferences - Concrete Design - ACI 318-05/IBC2003, Part 2 of 2

**Table: Preferences - Concrete Design - ACI 318-05/IBC2003, Part 2 of 2**

| PhiCSpiral | PhiV | PhiVSeismic | PhiVJoint |
|---|---|---|---|
| 0.700000 | 0.750000 | 0.600000 | 0.850000 |

## Table: Preferences - Dimensional, Part 1 of 2

**Table: Preferences - Dimensional, Part 1 of 2**

| MergeTol | FineGrid | Nudge | SelectTol | SnapTol | SLineThick | PLineThick | MaxFont | MinFont |
|---|---|---|---|---|---|---|---|---|
| m | m | m | | | | | | |
| 0.001000 | 0.250000 | 0.250000 | 3 | 12 | 1 | 4 | 8 | 8 |

## Table: Preferences - Dimensional, Part 2 of 2

**Table: Preferences - Dimensional, Part 2 of 2**

| AutoZoom | ShrinkFact | TextFileLen |
|---|---|---|
| 10 | 70 | 240 |

## Table: Preferences - Steel Design - AISC-LRFD93, Part 1 of 2

**Table: Preferences - Steel Design - AISC-LRFD93, Part 1 of 2**

| THDesign | FrameType | PatLLF | SRatioLimit | MaxIter | PhiB | PhiC | PhiT | PhiV |
|---|---|---|---|---|---|---|---|---|
| Envelopes | Moment Frame | 0.750000 | 0.950000 | 1 | 0.900000 | 0.850000 | 0.900000 | 0.900000 |

## Table: Preferences - Steel Design - AISC-LRFD93, Part 2 of 2

**Table: Preferences - Steel Design - AISC-LRFD93, Part 2 of 2**

| PhiCA | CheckDefl | DLRat | SDLAndLLRat | LLRat | TotalRat | NetRat |
|---|---|---|---|---|---|---|
| 0.900000 | No | 120.000000 | 120.000000 | 360.000000 | 240.000000 | 240.000000 |

## Table: Program Control, Part 1 of 3

**Table: Program Control, Part 1 of 3**

| ProgramName | Version | ProgLevel | LicenseNum | LicenseOS | LicenseSC | LicenseBR | LicenseHT | CurrUnits |
|---|---|---|---|---|---|---|---|---|
| SAP2000 | 14.1.0 | Advanced | 0X2310B | No | No | No | No | KN, m, C |

## Table: Program Control, Part 2 of 3

**Table: Program Control, Part 2 of 3**

| SteelCode | ConcCode | AlumCode | ColdCode | BridgeCode |
|---|---|---|---|---|
| AISC-LRFD93 | ACI 318-05/IBC2003 | AA-ASD 2000 | AISI-ASD96 | AASHTO LRFD 2007 |

## Table: Program Control, Part 3 of 3

**Table: Program Control, Part 3 of 3**

| RegenHinge | BSchedGUID |
|---|---|
| Yes | |

## Table: Project Information

**Table: Project Information**

| Item | Data |
|---|---|
| Company Name | Computers and Structures, Inc. |
| Client Name | |
| Project Name | |
| Project Number | |
| Model Name | |
| Model Description | |
| Revision Number | |
| Frame Type | |
| Engineer | |
| Checker | |
| Supervisor | |
| Issue Code | |
| Design Code | |

## Table: Rebar Sizes

**Table: Rebar Sizes**

| RebarID | Area | Diameter |
|---|---|---|
| | m2 | m |
| #2 | 0.000032 | 0.006350 |
| #3 | 0.000071 | 0.009525 |

**Table: Rebar Sizes**

| RebarID | Area | Diameter |
|---|---|---|
| | m2 | m |
| #4 | 0.000129 | 0.012700 |
| #5 | 0.000200 | 0.015875 |
| #6 | 0.000284 | 0.019050 |
| #7 | 0.000387 | 0.022225 |
| #8 | 0.000510 | 0.025400 |
| #9 | 0.000645 | 0.028651 |
| #10 | 0.000819 | 0.032258 |
| #11 | 0.001006 | 0.035814 |
| #14 | 0.001452 | 0.043002 |
| #18 | 0.002581 | 0.057328 |
| 10M | 0.000100 | 0.011300 |
| 15M | 0.000200 | 0.016000 |
| 20M | 0.000300 | 0.019500 |
| 25M | 0.000500 | 0.025200 |
| 30M | 0.000700 | 0.029900 |
| 35M | 0.001000 | 0.035700 |
| 45M | 0.001500 | 0.043700 |
| 55M | 0.002500 | 0.056400 |
| 6d | 0.000028 | 0.006000 |
| 8d | 0.000050 | 0.008000 |
| 10d | 0.000079 | 0.010000 |
| 12d | 0.000113 | 0.012000 |
| 14d | 0.000154 | 0.014000 |
| 16d | 0.000201 | 0.016000 |
| 20d | 0.000314 | 0.020000 |
| 25d | 0.000491 | 0.025000 |
| 26d | 0.000531 | 0.026000 |
| 28d | 0.000616 | 0.028000 |

## Table: Solid Property Definitions, Part 1 of 2

**Table: Solid Property Definitions, Part 1 of 2**

| SolidProp | Material | MatAngleA | MatAngleB | MatAngleC | InComp | Color |
|---|---|---|---|---|---|---|
| | | Degrees | Degrees | Degrees | | |
| SOLID1 | 4000Psi | 0.000 | 0.000 | 0.000 | Yes | Magenta |

## Table: Solid Property Definitions, Part 2 of 2

**Table: Solid Property Definitions, Part 2 of 2**

| SolidProp | GUID | Notes | TotalWt | TotalMass |
|---|---|---|---|---|
| | | | KN | KN-s2/m |
| SOLID1 | | Added 27/10/2008 10.40.04 | 0.000 | 0.00 |

# 9 ALLEGATI DI CALCOLO CARR. DX (R=7.21M)

## Table: Active Degrees of Freedom

**Table: Active Degrees of Freedom**

| UX | UY | UZ | RX | RY | RZ |
|---|---|---|---|---|---|
| Yes | Yes | Yes | Yes | Yes | Yes |

## Table: Analysis Options

**Table: Analysis Options**

| Solver | SolverProc | Force32Bit | StiffCase | GeomMod |
|---|---|---|---|---|
| Advanced | Auto | No | None | No |

## Table: Assembled Joint Masses

**Table: Assembled Joint Masses**

| Joint | U1 | U2 | U3 | R1 | R2 | R3 |
|---|---|---|---|---|---|---|
| | KN-s2/m | KN-s2/m | KN-s2/m | KN-m-s2 | KN-m-s2 | KN-m-s2 |
| 1 | 4.31 | 4.31 | 4.31 | 0.0000 | 0.0000 | 0.0000 |
| 2 | 8.28 | 8.28 | 8.28 | 0.0000 | 0.0000 | 0.0000 |
| 3 | 4.64 | 4.64 | 4.64 | 0.0000 | 0.0000 | 0.0000 |
| 4 | 4.20 | 4.20 | 4.20 | 0.0000 | 0.0000 | 0.0000 |
| 5 | 4.74 | 4.74 | 4.74 | 0.0000 | 0.0000 | 0.0000 |
| 6 | 5.77 | 5.77 | 5.77 | 0.0000 | 0.0000 | 0.0000 |
| 7 | 6.77 | 6.77 | 6.77 | 0.0000 | 0.0000 | 0.0000 |
| 8 | 7.37 | 7.37 | 7.37 | 0.0000 | 0.0000 | 0.0000 |
| 9 | 5.88 | 5.88 | 5.88 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 4.55 | 4.55 | 4.55 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 3.92 | 3.92 | 3.92 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 3.78 | 3.78 | 3.78 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 3.77 | 3.77 | 3.77 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 3.77 | 3.77 | 3.77 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 3.77 | 3.77 | 3.77 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 3.77 | 3.77 | 3.77 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3.77 | 3.77 | 3.77 | 0.0000 | 0.0000 | 0.0000 |
| 18 | 3.78 | 3.78 | 3.78 | 0.0000 | 0.0000 | 0.0000 |
| 19 | 3.92 | 3.92 | 3.92 | 0.0000 | 0.0000 | 0.0000 |
| 20 | 4.55 | 4.55 | 4.55 | 0.0000 | 0.0000 | 0.0000 |
| 21 | 5.88 | 5.88 | 5.88 | 0.0000 | 0.0000 | 0.0000 |
| 22 | 7.37 | 7.37 | 7.37 | 0.0000 | 0.0000 | 0.0000 |
| 23 | 6.77 | 6.77 | 6.77 | 0.0000 | 0.0000 | 0.0000 |
| 24 | 5.77 | 5.77 | 5.77 | 0.0000 | 0.0000 | 0.0000 |
| 25 | 4.74 | 4.74 | 4.74 | 0.0000 | 0.0000 | 0.0000 |
| 26 | 4.20 | 4.20 | 4.20 | 0.0000 | 0.0000 | 0.0000 |
| 27 | 4.64 | 4.64 | 4.64 | 0.0000 | 0.0000 | 0.0000 |
| 28 | 8.28 | 8.28 | 8.28 | 0.0000 | 0.0000 | 0.0000 |
| 29 | 4.31 | 4.31 | 4.31 | 0.0000 | 0.0000 | 0.0000 |
| 30 | 2.53 | 2.53 | 2.53 | 0.0000 | 0.0000 | 0.0000 |
| 31 | 5.72 | 5.72 | 5.72 | 0.0000 | 0.0000 | 0.0000 |
| 32 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |
| 33 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |
| 34 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |
| 35 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |
| 36 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |
| 37 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |

**Table: Assembled Joint Masses**

| Joint | U1 | U2 | U3 | R1 | R2 | R3 |
|---|---|---|---|---|---|---|
| | KN-s2/m | KN-s2/m | KN-s2/m | KN-m-s2 | KN-m-s2 | KN-m-s2 |
| 38 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |
| 39 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |
| 40 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |
| 41 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |
| 42 | 3.18 | 3.18 | 3.18 | 0.0000 | 0.0000 | 0.0000 |
| 43 | 5.72 | 5.72 | 5.72 | 0.0000 | 0.0000 | 0.0000 |
| 44 | 2.53 | 2.53 | 2.53 | 0.0000 | 0.0000 | 0.0000 |

## Table: Auto Wave 3 - Wave Characteristics - General

**Table: Auto Wave 3 - Wave Characteristics - General**

| WaveChar | WaveType | KinFactor | SWaterDepth | WaveHeight | WavePeriod | WaveTheory |
|---|---|---|---|---|---|---|
| | | | m | m | Sec | |
| Default | From Theory | 1.000000 | 45.00000 | 18.00000 | 12.0000 | Linear |

## Table: Base Reactions, Part 1 of 3

**Table: Base Reactions, Part 1 of 3**

| OutputCase | CaseType | StepType | GlobalFX | GlobalFY | GlobalFZ | GlobalMX | GlobalMY | GlobalMZ |
|---|---|---|---|---|---|---|---|---|
| | | | KN | KN | KN | KN-m | KN-m | KN-m |
| SLE | NonStatic | Max | 0.000 | 0.000 | 3989.610 | 0.0000 | 0.0000 | 0.0000 |
| SLE | NonStatic | Min | -3.435E-03 | 0.000 | 0.000 | 0.0000 | -201563.230 | 0.0000 |
| SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 4117.968 | 0.0000 | 0.0000 | 0.0000 |
| SLE_SISMA_DOWN | NonStatic | Min | -271.601 | 0.000 | 0.000 | 0.0000 | -214513.863 | 0.0000 |
| SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 3814.818 | 0.0000 | 0.0000 | 0.0000 |
| SLE_SISMA_UP | NonStatic | Min | -271.601 | 0.000 | 0.000 | 0.0000 | -199198.097 | 0.0000 |
| SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 4309.478 | 0.0000 | 0.0000 | 0.0000 |
| SLU_SISMA_DOWN | NonStatic | Min | -675.840 | 0.000 | 0.000 | 0.0000 | -233812.742 | 0.0000 |
| SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 3670.092 | 0.0000 | 0.0000 | 0.0000 |
| SLU_SISMA_UP | NonStatic | Min | -675.840 | 0.000 | 0.000 | 0.0000 | -201509.675 | 0.0000 |

## Table: Base Reactions, Part 2 of 3

**Table: Base Reactions, Part 2 of 3**

| OutputCase | StepType | GlobalX | GlobalY | GlobalZ | XCentroidFX | YCentroidFX | ZCentroidFX | XCentroidFY |
|---|---|---|---|---|---|---|---|---|
| | | m | m | m | m | m | m | m |
| SLE | Max | 0.00000 | 0.00000 | 0.00000 | 908374.026 | 0.00000 | 17.07154 | 0.00000 |
| SLE | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLE_SISMA_DOWN | Max | 0.00000 | 0.00000 | 0.00000 | 67.11275 | 0.00000 | 20.08283 | 0.00000 |
| SLE_SISMA_DOWN | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLE_SISMA_UP | Max | 0.00000 | 0.00000 | 0.00000 | 66.34580 | 0.00000 | 20.09025 | 0.00000 |
| SLE_SISMA_UP | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLU_SISMA_DOWN | Max | 0.00000 | 0.00000 | 0.00000 | 61.18648 | 0.00000 | 20.43190 | 0.00000 |
| SLU_SISMA_DOWN | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

**Table: Base Reactions, Part 2 of 3**

| OutputCase | StepType | GlobalX | GlobalY | GlobalZ | XCentroidFX | YCentroidFX | ZCentroidFX | XCentroidFY |
|---|---|---|---|---|---|---|---|---|
| | | m | m | m | m | m | m | m |
| SLU_SISMA_UP | Max | 0.00000 | 0.00000 | 0.00000 | 60.55493 | 0.00000 | 20.54579 | 0.00000 |
| SLU_SISMA_UP | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## Table: Base Reactions, Part 3 of 3

**Table: Base Reactions, Part 3 of 3**

| OutputCase | StepType | YCentroidFY | ZCentroidFY | XCentroidFZ | YCentroidFZ | ZCentroidFZ |
|---|---|---|---|---|---|---|
| | | m | m | m | m | m |
| SLE | Max | 0.00000 | 0.00000 | 50.52202 | 0.00000 | 17.63735 |
| SLE | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLE_SISMA_DOWN | Max | 0.00000 | 0.00000 | 50.76760 | 0.00000 | 17.63304 |
| SLE_SISMA_DOWN | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLE_SISMA_UP | Max | 0.00000 | 0.00000 | 50.78659 | 0.00000 | 17.63224 |
| SLE_SISMA_UP | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLU_SISMA_DOWN | Max | 0.00000 | 0.00000 | 51.05121 | 0.00000 | 17.60477 |
| SLU_SISMA_DOWN | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| SLU_SISMA_UP | Max | 0.00000 | 0.00000 | 51.12243 | 0.00000 | 17.58581 |
| SLU_SISMA_UP | Min | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

## Table: Bridge Design Preferences - AASHTOLRFD07

**Table: Bridge Design Preferences - AASHTOLRFD07**

| HingeOpt |
|---|
| Auto: AASHTO/Caltrans Hinge |

## Table: Case - Static 1 - Load Assignments

**Table: Case - Static 1 - Load Assignments**

| Case | LoadType | LoadName | LoadSF |
|---|---|---|---|
| SLE | Load pattern | DEAD | 1.000000 |
| SLE | Load pattern | PHDX_SLE | 1.000000 |
| SLE | Load pattern | PHSX_SLE | 1.000000 |
| SLE | Load pattern | PV_SLE | 1.000000 |
| SLE_SISMA_DOWN | Load pattern | DEAD_SLE_SISMA_DOWN | 1.000000 |
| SLE_SISMA_DOWN | Load pattern | PV_SLE_SISMA_DOWN | 1.000000 |
| SLE_SISMA_DOWN | Load pattern | PHSX_SLE_SISMA | 1.000000 |
| SLE_SISMA_DOWN | Load pattern | PHDX_SLE_SISMA | 1.000000 |
| SLE_SISMA_UP | Load pattern | DEAD_SLE_SISMA_UP | 1.000000 |
| SLE_SISMA_UP | Load pattern | PV_SLE_SISMA_UP | 1.000000 |
| SLE_SISMA_UP | Load pattern | PHSX_SLE_SISMA | 1.000000 |

**Table: Case - Static 1 - Load Assignments**

| Case | LoadType | LoadName | LoadSF |
|---|---|---|---|
| SLE_SISMA_UP | Load pattern | PHDX_SLE_SISMA | 1.000000 |
| SLU_SISMA_DOWN | Load pattern | DEAD_SLU_SISMA_DOWN | 1.000000 |
| SLU_SISMA_DOWN | Load pattern | PV_SLU_SISMA_DOWN | 1.000000 |
| SLU_SISMA_DOWN | Load pattern | PHSX_SLU_SISMA | 1.000000 |
| SLU_SISMA_DOWN | Load pattern | PHDX_SLU_SISMA | 1.000000 |
| SLU_SISMA_UP | Load pattern | DEAD_SLU_SISMA_UP | 1.000000 |
| SLU_SISMA_UP | Load pattern | PV_SLU_SISMA_UP | 1.000000 |
| SLU_SISMA_UP | Load pattern | PHSX_SLU_SISMA | 1.000000 |
| SLU_SISMA_UP | Load pattern | PHDX_SLU_SISMA | 1.000000 |

## Table: Case - Static 2 - Nonlinear Load Application

**Table: Case - Static 2 - Nonlinear Load Application**

| Case | LoadApp | MonitorDOF | MonitorJt |
|---|---|---|---|
| SLE | Full Load | U1 | 15 |
| SLE_SISMA_DOWN | Full Load | U1 | 15 |
| SLE_SISMA_UP | Full Load | U1 | 15 |
| SLU_SISMA_DOWN | Full Load | U1 | 15 |
| SLU_SISMA_UP | Full Load | U1 | 15 |

## Table: Case - Static 4 - Nonlinear Parameters, Part 1 of 5

**Table: Case - Static 4 - Nonlinear Parameters, Part 1 of 5**

| Case | Unloading | GeoNonLin | ResultsSave | MinNumState | MaxNumState | PosIncOnly |
|---|---|---|---|---|---|---|
| SLE | Unload Entire | None | Multiple States | 10 | 10 | Yes |
| SLE_SISMA_DOWN | Unload Entire | None | Multiple States | 10 | 10 | Yes |
| SLE_SISMA_UP | Unload Entire | None | Multiple States | 10 | 10 | Yes |
| SLU_SISMA_DOWN | Unload Entire | None | Multiple States | 10 | 10 | Yes |
| SLU_SISMA_UP | Unload Entire | None | Multiple States | 10 | 10 | Yes |

## Table: Case - Static 4 - Nonlinear Parameters, Part 2 of 5

**Table: Case - Static 4 - Nonlinear Parameters, Part 2 of 5**

| Case | MaxTotal | MaxNull | MaxIterCS | MaxIterNR | ItConvTol | UseEvStep | EvLumpTol |
|---|---|---|---|---|---|---|---|
| SLE | 200 | 50 | 10 | 40 | 1.0000E-04 | Yes | 0.010000 |
| SLE_SISMA_DOWN | 200 | 50 | 10 | 40 | 1.0000E-04 | Yes | 0.010000 |
| SLE_SISMA_UP | 200 | 50 | 10 | 40 | 1.0000E-04 | Yes | 0.010000 |
| SLU_SISMA_DOWN | 200 | 50 | 10 | 40 | 1.0000E-04 | Yes | 0.010000 |
| SLU_SISMA_UP | 200 | 50 | 10 | 40 | 1.0000E-04 | Yes | 0.010000 |

## Table: Case - Static 4 - Nonlinear Parameters, Part 3 of 5

**Table: Case - Static 4 - Nonlinear Parameters, Part 3 of 5**

| Case | LSPerIter | LSTol | LSStepFact | StageSave | StageMinIns | StageMinTD |
|---|---|---|---|---|---|---|
| SLE | 20 | 0.100000 | 1.618000 | | | |
| SLE_SISMA_DOWN | 20 | 0.100000 | 1.618000 | | | |
| SLE_SISMA_UP | 20 | 0.100000 | 1.618000 | | | |
| SLU_SISMA_DOWN | 20 | 0.100000 | 1.618000 | | | |

**Table: Case - Static 4 - Nonlinear Parameters, Part 3 of 5**

| Case | LSPerIter | LSTol | LSStepFact | StageSave | StageMinIns | StageMinTD |
|---|---|---|---|---|---|---|
| SLU_SISMA_UP | 20 | 0.100000 | 1.618000 | | | |

## Table: Case - Static 4 - Nonlinear Parameters, Part 4 of 5

**Table: Case - Static 4 - Nonlinear Parameters, Part 4 of 5**

| Case | FrameTC | FrameHinge | CableTC | LinkTC | LinkOther | TimeDepMat | TFMaxIter |
|---|---|---|---|---|---|---|---|
| SLE | Yes | Yes | Yes | Yes | Yes | | 10 |
| SLE_SISMA_DOWN | Yes | Yes | Yes | Yes | Yes | | 10 |
| SLE_SISMA_UP | Yes | Yes | Yes | Yes | Yes | | 10 |
| SLU_SISMA_DOWN | Yes | Yes | Yes | Yes | Yes | | 10 |
| SLU_SISMA_UP | Yes | Yes | Yes | Yes | Yes | | 10 |

## Table: Case - Static 4 - Nonlinear Parameters, Part 5 of 5

**Table: Case - Static 4 - Nonlinear Parameters, Part 5 of 5**

| Case | TFTol | TFAccelFact | TFNoStop |
|---|---|---|---|
| SLE | 0.010000 | 1.000000 | No |
| SLE_SISMA_DOWN | 0.010000 | 1.000000 | No |
| SLE_SISMA_UP | 0.010000 | 1.000000 | No |
| SLU_SISMA_DOWN | 0.010000 | 1.000000 | No |
| SLU_SISMA_UP | 0.010000 | 1.000000 | No |

## Table: Connectivity - Frame, Part 1 of 2

**Table: Connectivity - Frame, Part 1 of 2**

| Frame | JointI | JointJ | IsCurved | Length | CentroidX | CentroidY | CentroidZ |
|---|---|---|---|---|---|---|---|
| | | | | m | m | m | m |
| 1 | 1 | 2 | No | 0.89215 | 42.82204 | 0.00000 | 18.76352 |
| 2 | 2 | 3 | No | 0.89498 | 42.82204 | 0.00000 | 19.65708 |
| 3 | 3 | 4 | No | 0.89498 | 42.82204 | 0.00000 | 20.55206 |
| 4 | 4 | 5 | No | 0.89498 | 42.82204 | 0.00000 | 21.44703 |
| 5 | 5 | 6 | No | 1.18320 | 42.87150 | 0.00000 | 22.48405 |
| 6 | 6 | 7 | No | 1.18320 | 43.06798 | 0.00000 | 23.64663 |
| 7 | 7 | 8 | No | 1.18320 | 43.45545 | 0.00000 | 24.76020 |
| 8 | 8 | 9 | No | 1.18328 | 44.02261 | 0.00000 | 25.79399 |
| 9 | 9 | 10 | No | 1.18346 | 44.74812 | 0.00000 | 26.72440 |
| 10 | 10 | 11 | No | 1.18346 | 45.60699 | 0.00000 | 27.53367 |
| 11 | 11 | 12 | No | 1.18346 | 46.57792 | 0.00000 | 28.20441 |
| 12 | 12 | 13 | No | 1.18346 | 47.63877 | 0.00000 | 28.72132 |
| 13 | 13 | 14 | No | 1.18346 | 48.76535 | 0.00000 | 29.07262 |
| 14 | 14 | 15 | No | 1.18346 | 49.93198 | 0.00000 | 29.25029 |
| 15 | 15 | 16 | No | 1.18346 | 51.11207 | 0.00000 | 29.25030 |
| 16 | 16 | 17 | No | 1.18346 | 52.27870 | 0.00000 | 29.07262 |
| 17 | 17 | 18 | No | 1.18346 | 53.40528 | 0.00000 | 28.72133 |
| 18 | 18 | 19 | No | 1.18346 | 54.46613 | 0.00000 | 28.20443 |
| 19 | 19 | 20 | No | 1.18346 | 55.43706 | 0.00000 | 27.53369 |
| 20 | 20 | 21 | No | 1.18346 | 56.29594 | 0.00000 | 26.72442 |
| 21 | 21 | 22 | No | 1.18328 | 57.02145 | 0.00000 | 25.79401 |
| 22 | 22 | 23 | No | 1.18320 | 57.58861 | 0.00000 | 24.76023 |
| 23 | 23 | 24 | No | 1.18320 | 57.97609 | 0.00000 | 23.64665 |
| 24 | 24 | 25 | No | 1.18323 | 58.17257 | 0.00000 | 22.48407 |
| 25 | 25 | 26 | No | 0.89498 | 58.22203 | 0.00000 | 21.44703 |
| 26 | 26 | 27 | No | 0.89498 | 58.22202 | 0.00000 | 20.55206 |
| 27 | 27 | 28 | No | 0.89493 | 58.22203 | 0.00000 | 19.65710 |
| 28 | 28 | 29 | No | 0.89214 | 58.22204 | 0.00000 | 18.76357 |

**Table: Connectivity - Frame, Part 1 of 2**

| Frame | JointI | JointJ | IsCurved | Length | CentroidX | CentroidY | CentroidZ |
|---|---|---|---|---|---|---|---|
| | | | | m | m | m | m |
| 29 | 29 | 30 | No | 0.82552 | 57.80928 | 0.00000 | 18.31750 |
| 30 | 30 | 31 | No | 0.82552 | 56.98376 | 0.00000 | 18.31750 |
| 31 | 31 | 32 | No | 1.03978 | 56.09110 | 0.00000 | 18.11757 |
| 32 | 32 | 33 | No | 1.03978 | 55.11817 | 0.00000 | 17.75265 |
| 33 | 33 | 34 | No | 1.03978 | 54.12159 | 0.00000 | 17.45843 |
| 34 | 34 | 35 | No | 1.03978 | 53.10647 | 0.00000 | 17.23642 |
| 35 | 35 | 36 | No | 1.03978 | 52.07805 | 0.00000 | 17.08778 |
| 36 | 36 | 37 | No | 1.03967 | 51.04167 | 0.00000 | 17.01327 |
| 37 | 37 | 38 | No | 1.03988 | 50.00256 | 0.00000 | 17.01326 |
| 38 | 38 | 39 | No | 1.03978 | 48.96607 | 0.00000 | 17.08777 |
| 39 | 39 | 40 | No | 1.03978 | 47.93765 | 0.00000 | 17.23640 |
| 40 | 40 | 41 | No | 1.03978 | 46.92253 | 0.00000 | 17.45840 |
| 41 | 41 | 42 | No | 1.03978 | 45.92594 | 0.00000 | 17.75261 |
| 42 | 42 | 43 | No | 1.03978 | 44.95302 | 0.00000 | 18.11753 |
| 43 | 43 | 44 | No | 0.82553 | 44.06034 | 0.00000 | 18.31745 |
| 44 | 44 | 1 | No | 0.82553 | 43.23480 | 0.00000 | 18.31745 |
| 45 | 2 | 43 | No | 1.87669 | 43.64757 | 0.00000 | 18.76352 |
| 46 | 28 | 31 | No | 1.87665 | 57.39652 | 0.00000 | 18.76357 |

## Table: Connectivity - Frame, Part 2 of 2

**Table: Connectivity - Frame, Part 2 of 2**

| Frame | GUID |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |
| 28 | |
| 29 | |
| 30 | |
| 31 | |
| 32 | |
| 33 | |
| 34 | |
| 35 | |

**Table: Connectivity - Frame, Part 2 of 2**

| Frame | GUID |
|---|---|
| 36 | |
| 37 | |
| 38 | |
| 39 | |
| 40 | |
| 41 | |
| 42 | |
| 43 | |
| 44 | |
| 45 | |
| 46 | |

## Table: Coordinate Systems

**Table: Coordinate Systems**

| Name | Type | X | Y | Z | AboutZ | AboutY | AboutX |
|---|---|---|---|---|---|---|---|
| | | m | m | m | Degrees | Degrees | Degrees |
| GLOBAL | Cartesian | 0.00000 | 0.00000 | 0.00000 | 0.000 | 0.000 | 0.000 |

## Table: Database Format Types

**Table: Database Format Types**

| UnitsCurr | OverrideE |
|---|---|
| Yes | No |

## Table: Element Forces - Frames, Part 1 of 2

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 1 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.44607 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.89215 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLE | NonStatic | Min | -450.030 | -1767.027 | 0.000 | 0.0000 |
| 1 | 0.44607 | SLE | NonStatic | Min | -419.725 | -1826.108 | 0.000 | 0.0000 |
| 1 | 0.89215 | SLE | NonStatic | Min | -392.152 | -1885.189 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.44607 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.89215 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -375.670 | -1822.079 | 0.000 | 0.0000 |
| 1 | 0.44607 | SLE_SISMA_DOWN | NonStatic | Min | -344.395 | -1886.678 | 0.000 | 0.0000 |
| 1 | 0.89215 | SLE_SISMA_DOWN | NonStatic | Min | -315.940 | -1951.278 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.44607 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.89215 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -342.701 | -1652.563 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 1 | 0.44607 | SLE_SISMA_UP | NonStatic | Min | -314.093 | -1717.162 | 0.000 | 0.0000 |
| 1 | 0.89215 | SLE_SISMA_UP | NonStatic | Min | -288.064 | -1781.761 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.44607 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.89215 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -282.353 | -1772.397 | 0.000 | 0.0000 |
| 1 | 0.44607 | SLU_SISMA_DOWN | NonStatic | Min | -249.623 | -1856.967 | 0.000 | 0.0000 |
| 1 | 0.89215 | SLU_SISMA_DOWN | NonStatic | Min | -219.845 | -1941.537 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.44607 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.89215 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -215.325 | -1404.334 | 0.000 | 0.0000 |
| 1 | 0.44607 | SLU_SISMA_UP | NonStatic | Min | -187.444 | -1488.904 | 0.000 | 0.0000 |
| 1 | 0.89215 | SLU_SISMA_UP | NonStatic | Min | -162.077 | -1573.474 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE | NonStatic | Max | 0.000 | 477.731 | 0.000 | 0.0000 |
| 2 | 0.44749 | SLE | NonStatic | Max | 0.000 | 421.859 | 0.000 | 0.0000 |
| 2 | 0.89498 | SLE | NonStatic | Max | 0.000 | 365.987 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE | NonStatic | Min | -1643.938 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.44749 | SLE | NonStatic | Min | -1618.599 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.89498 | SLE | NonStatic | Min | -1595.162 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 563.122 | 0.000 | 0.0000 |
| 2 | 0.44749 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 501.714 | 0.000 | 0.0000 |
| 2 | 0.89498 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 440.307 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1645.530 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.44749 | SLE_SISMA_DOWN | NonStatic | Min | -1619.380 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.89498 | SLE_SISMA_DOWN | NonStatic | Min | -1595.193 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 556.395 | 0.000 | 0.0000 |
| 2 | 0.44749 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 494.988 | 0.000 | 0.0000 |
| 2 | 0.89498 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 433.580 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1524.900 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.44749 | SLE_SISMA_UP | NonStatic | Min | -1500.980 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.89498 | SLE_SISMA_UP | NonStatic | Min | -1478.856 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 776.750 | 0.000 | 0.0000 |
| 2 | 0.44749 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 695.985 | 0.000 | 0.0000 |
| 2 | 0.89498 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 615.219 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 2 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1658.254 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.44749 | SLU_SISMA_DOWN | NonStatic | Min | -1630.888 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.89498 | SLU_SISMA_DOWN | NonStatic | Min | -1605.576 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 762.236 | 0.000 | 0.0000 |
| 2 | 0.44749 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 681.470 | 0.000 | 0.0000 |
| 2 | 0.89498 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 600.705 | 0.000 | 0.0000 |
| 2 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1398.267 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.44749 | SLU_SISMA_UP | NonStatic | Min | -1374.955 | 0.000 | 0.000 | 0.0000 |
| 2 | 0.89498 | SLU_SISMA_UP | NonStatic | Min | -1353.393 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE | NonStatic | Max | 0.000 | 359.185 | 0.000 | 0.0000 |
| 3 | 0.44749 | SLE | NonStatic | Max | 0.000 | 306.748 | 0.000 | 0.0000 |
| 3 | 0.89498 | SLE | NonStatic | Max | 0.000 | 254.311 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE | NonStatic | Min | -1595.162 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.44749 | SLE | NonStatic | Min | -1573.207 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.89498 | SLE | NonStatic | Min | -1552.315 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 440.307 | 0.000 | 0.0000 |
| 3 | 0.44749 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 382.334 | 0.000 | 0.0000 |
| 3 | 0.89498 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 324.361 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1595.193 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.44749 | SLE_SISMA_DOWN | NonStatic | Min | -1572.536 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.89498 | SLE_SISMA_DOWN | NonStatic | Min | -1550.975 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 433.580 | 0.000 | 0.0000 |
| 3 | 0.44749 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 375.607 | 0.000 | 0.0000 |
| 3 | 0.89498 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 317.635 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1478.856 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.44749 | SLE_SISMA_UP | NonStatic | Min | -1458.130 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.89498 | SLE_SISMA_UP | NonStatic | Min | -1438.408 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 615.219 | 0.000 | 0.0000 |
| 3 | 0.44749 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 538.571 | 0.000 | 0.0000 |
| 3 | 0.89498 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 461.924 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1605.576 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.44749 | SLU_SISMA_DOWN | NonStatic | Min | -1581.864 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.89498 | SLU_SISMA_DOWN | NonStatic | Min | -1559.301 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 600.705 | 0.000 | 0.0000 |
| 3 | 0.44749 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 524.057 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 3 | 0.89498 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 447.410 | 0.000 | 0.0000 |
| 3 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1353.393 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.44749 | SLU_SISMA_UP | NonStatic | Min | -1333.194 | 0.000 | 0.000 | 0.0000 |
| 3 | 0.89498 | SLU_SISMA_UP | NonStatic | Min | -1313.973 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE | NonStatic | Max | 0.000 | 246.883 | 0.000 | 0.0000 |
| 4 | 0.44749 | SLE | NonStatic | Max | 0.000 | 197.843 | 0.000 | 0.0000 |
| 4 | 0.89498 | SLE | NonStatic | Max | 0.000 | 148.802 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE | NonStatic | Min | -1552.315 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.44749 | SLE | NonStatic | Min | -1532.122 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.89498 | SLE | NonStatic | Min | -1512.265 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 324.361 | 0.000 | 0.0000 |
| 4 | 0.44749 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 269.785 | 0.000 | 0.0000 |
| 4 | 0.89498 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 215.209 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1550.975 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.44749 | SLE_SISMA_DOWN | NonStatic | Min | -1530.136 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.89498 | SLE_SISMA_DOWN | NonStatic | Min | -1509.643 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 317.635 | 0.000 | 0.0000 |
| 4 | 0.44749 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 263.058 | 0.000 | 0.0000 |
| 4 | 0.89498 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 208.482 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1438.408 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.44749 | SLE_SISMA_UP | NonStatic | Min | -1419.346 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.89498 | SLE_SISMA_UP | NonStatic | Min | -1400.601 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 461.924 | 0.000 | 0.0000 |
| 4 | 0.44749 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 389.349 | 0.000 | 0.0000 |
| 4 | 0.89498 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 316.774 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1559.301 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.44749 | SLU_SISMA_DOWN | NonStatic | Min | -1537.493 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.89498 | SLU_SISMA_DOWN | NonStatic | Min | -1516.047 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 447.410 | 0.000 | 0.0000 |
| 4 | 0.44749 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 374.835 | 0.000 | 0.0000 |
| 4 | 0.89498 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 302.260 | 0.000 | 0.0000 |
| 4 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1313.973 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.44749 | SLU_SISMA_UP | NonStatic | Min | -1295.396 | 0.000 | 0.000 | 0.0000 |
| 4 | 0.89498 | SLU_SISMA_UP | NonStatic | Min | -1277.127 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.59160 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 5 | 1.18320 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE | NonStatic | Min | -1494.849 | -270.912 | 0.000 | 0.0000 |
| 5 | 0.59160 | SLE | NonStatic | Min | -1461.819 | -208.555 | 0.000 | 0.0000 |
| 5 | 1.18320 | SLE | NonStatic | Min | -1427.979 | -146.129 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.59160 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 1.18320 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1486.365 | -340.671 | 0.000 | 0.0000 |
| 5 | 0.59160 | SLE_SISMA_DOWN | NonStatic | Min | -1452.724 | -270.944 | 0.000 | 0.0000 |
| 5 | 1.18320 | SLE_SISMA_DOWN | NonStatic | Min | -1418.246 | -201.146 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.59160 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 1.18320 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1378.267 | -324.851 | 0.000 | 0.0000 |
| 5 | 0.59160 | SLE_SISMA_UP | NonStatic | Min | -1347.695 | -255.381 | 0.000 | 0.0000 |
| 5 | 1.18320 | SLE_SISMA_UP | NonStatic | Min | -1316.359 | -185.847 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.59160 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 1.18320 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1484.255 | -442.416 | 0.000 | 0.0000 |
| 5 | 0.59160 | SLU_SISMA_DOWN | NonStatic | Min | -1450.685 | -349.944 | 0.000 | 0.0000 |
| 5 | 1.18320 | SLU_SISMA_DOWN | NonStatic | Min | -1416.240 | -257.399 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.59160 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 1.18320 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 5 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1247.385 | -407.978 | 0.000 | 0.0000 |
| 5 | 0.59160 | SLU_SISMA_UP | NonStatic | Min | -1219.901 | -316.016 | 0.000 | 0.0000 |
| 5 | 1.18320 | SLU_SISMA_UP | NonStatic | Min | -1191.671 | -223.992 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.59160 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 1.18320 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLE | NonStatic | Min | -1383.657 | -382.062 | 0.000 | 0.0000 |
| 6 | 0.59160 | SLE | NonStatic | Min | -1338.145 | -316.652 | 0.000 | 0.0000 |
| 6 | 1.18320 | SLE | NonStatic | Min | -1289.983 | -250.562 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.59160 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 1.18320 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 6 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1364.892 | -434.686 | 0.000 | 0.0000 |
| 6 | 0.59160 | SLE_SISMA_DOWN | NonStatic | Min | -1319.261 | -361.927 | 0.000 | 0.0000 |
| 6 | 1.18320 | SLE_SISMA_DOWN | NonStatic | Min | -1270.894 | -288.466 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.59160 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 1.18320 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1266.979 | -402.622 | 0.000 | 0.0000 |
| 6 | 0.59160 | SLE_SISMA_UP | NonStatic | Min | -1225.778 | -330.999 | 0.000 | 0.0000 |
| 6 | 1.18320 | SLE_SISMA_UP | NonStatic | Min | -1182.076 | -258.735 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.59160 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 1.18320 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1353.539 | -489.818 | 0.000 | 0.0000 |
| 6 | 0.59160 | SLU_SISMA_DOWN | NonStatic | Min | -1310.298 | -396.086 | 0.000 | 0.0000 |
| 6 | 1.18320 | SLU_SISMA_DOWN | NonStatic | Min | -1264.195 | -301.620 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.59160 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 1.18320 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1137.677 | -419.454 | 0.000 | 0.0000 |
| 6 | 0.59160 | SLU_SISMA_UP | NonStatic | Min | -1103.804 | -328.125 | 0.000 | 0.0000 |
| 6 | 1.18320 | SLU_SISMA_UP | NonStatic | Min | -1067.492 | -236.170 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.59160 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 1.18320 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE | NonStatic | Min | -1230.187 | -462.039 | 0.000 | 0.0000 |
| 7 | 0.59160 | SLE | NonStatic | Min | -1174.587 | -389.221 | 0.000 | 0.0000 |
| 7 | 1.18320 | SLE | NonStatic | Min | -1116.352 | -315.230 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.59160 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 1.18320 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1205.049 | -496.229 | 0.000 | 0.0000 |
| 7 | 0.59160 | SLE_SISMA_DOWN | NonStatic | Min | -1149.804 | -416.250 | 0.000 | 0.0000 |
| 7 | 1.18320 | SLE_SISMA_DOWN | NonStatic | Min | -1091.839 | -335.062 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.59160 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 7 | 1.18320 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1122.427 | -452.112 | 0.000 | 0.0000 |
| 7 | 0.59160 | SLE_SISMA_UP | NonStatic | Min | -1072.662 | -374.571 | 0.000 | 0.0000 |
| 7 | 1.18320 | SLE_SISMA_UP | NonStatic | Min | -1020.410 | -295.924 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.59160 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 1.18320 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1196.251 | -508.082 | 0.000 | 0.0000 |
| 7 | 0.59160 | SLU_SISMA_DOWN | NonStatic | Min | -1145.079 | -409.453 | 0.000 | 0.0000 |
| 7 | 1.18320 | SLU_SISMA_DOWN | NonStatic | Min | -1091.061 | -309.558 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.59160 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 1.18320 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1013.206 | -410.767 | 0.000 | 0.0000 |
| 7 | 0.59160 | SLU_SISMA_UP | NonStatic | Min | -973.808 | -317.376 | 0.000 | 0.0000 |
| 7 | 1.18320 | SLU_SISMA_UP | NonStatic | Min | -931.986 | -222.907 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.59164 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 1.18328 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE | NonStatic | Min | -1048.706 | -495.815 | 0.000 | 0.0000 |
| 8 | 0.59164 | SLE | NonStatic | Min | -991.963 | -415.343 | 0.000 | 0.0000 |
| 8 | 1.18328 | SLE | NonStatic | Min | -939.720 | -337.853 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.59164 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 1.18328 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1021.247 | -511.306 | 0.000 | 0.0000 |
| 8 | 0.59164 | SLE_SISMA_DOWN | NonStatic | Min | -965.414 | -424.119 | 0.000 | 0.0000 |
| 8 | 1.18328 | SLE_SISMA_DOWN | NonStatic | Min | -914.226 | -340.009 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.59164 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 1.18328 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -957.289 | -460.876 | 0.000 | 0.0000 |
| 8 | 0.59164 | SLE_SISMA_UP | NonStatic | Min | -907.098 | -377.426 | 0.000 | 0.0000 |
| 8 | 1.18328 | SLE_SISMA_UP | NonStatic | Min | -861.157 | -296.791 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 8 | 0.59164 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 1.18328 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1024.705 | -486.026 | 0.000 | 0.0000 |
| 8 | 0.59164 | SLU_SISMA_DOWN | NonStatic | Min | -974.144 | -382.903 | 0.000 | 0.0000 |
| 8 | 1.18328 | SLU_SISMA_DOWN | NonStatic | Min | -928.445 | -283.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.59164 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 1.18328 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -882.182 | -374.219 | 0.000 | 0.0000 |
| 8 | 0.59164 | SLU_SISMA_UP | NonStatic | Min | -843.883 | -279.218 | 0.000 | 0.0000 |
| 8 | 1.18328 | SLU_SISMA_UP | NonStatic | Min | -809.725 | -186.959 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.59173 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 1.18346 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE | NonStatic | Min | -876.506 | -478.498 | 0.000 | 0.0000 |
| 9 | 0.59173 | SLE | NonStatic | Min | -831.336 | -399.086 | 0.000 | 0.0000 |
| 9 | 1.18346 | SLE | NonStatic | Min | -788.515 | -321.817 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -850.985 | -476.697 | 0.000 | 0.0000 |
| 9 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -807.394 | -391.405 | 0.000 | 0.0000 |
| 9 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -766.228 | -308.325 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -805.202 | -425.824 | 0.000 | 0.0000 |
| 9 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -766.211 | -344.729 | 0.000 | 0.0000 |
| 9 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -729.439 | -265.658 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -873.811 | -422.557 | 0.000 | 0.0000 |
| 9 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -836.349 | -324.358 | 0.000 | 0.0000 |
| 9 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -801.425 | -228.474 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 9 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -771.291 | -309.384 | 0.000 | 0.0000 |
| 9 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -744.122 | -220.575 | 0.000 | 0.0000 |
| 9 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -719.115 | -133.738 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.59173 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 1.18346 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE | NonStatic | Min | -731.074 | -436.876 | 0.000 | 0.0000 |
| 10 | 0.59173 | SLE | NonStatic | Min | -695.431 | -358.692 | 0.000 | 0.0000 |
| 10 | 1.18346 | SLE | NonStatic | Min | -660.718 | -281.659 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -711.072 | -420.173 | 0.000 | 0.0000 |
| 10 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -677.323 | -337.010 | 0.000 | 0.0000 |
| 10 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -644.533 | -255.034 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -681.127 | -372.454 | 0.000 | 0.0000 |
| 10 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -651.063 | -293.847 | 0.000 | 0.0000 |
| 10 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -621.877 | -216.326 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -757.890 | -346.531 | 0.000 | 0.0000 |
| 10 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -730.276 | -253.269 | 0.000 | 0.0000 |
| 10 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -703.667 | -161.248 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -690.782 | -240.483 | 0.000 | 0.0000 |
| 10 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -671.560 | -157.595 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 10 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -653.194 | -75.766 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.59173 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 1.18346 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE | NonStatic | Min | -610.780 | -377.936 | 0.000 | 0.0000 |
| 11 | 0.59173 | SLE | NonStatic | Min | -583.327 | -300.236 | 0.000 | 0.0000 |
| 11 | 1.18346 | SLE | NonStatic | Min | -555.950 | -222.664 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -598.789 | -349.167 | 0.000 | 0.0000 |
| 11 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -573.211 | -267.353 | 0.000 | 0.0000 |
| 11 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -547.710 | -185.671 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -582.218 | -307.490 | 0.000 | 0.0000 |
| 11 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -559.497 | -230.563 | 0.000 | 0.0000 |
| 11 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -536.845 | -153.756 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -671.369 | -265.354 | 0.000 | 0.0000 |
| 11 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -651.242 | -175.854 | 0.000 | 0.0000 |
| 11 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -631.196 | -86.492 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -634.341 | -173.247 | 0.000 | 0.0000 |
| 11 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -620.764 | -94.953 | 0.000 | 0.0000 |
| 11 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -607.257 | -16.777 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.59173 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 1.18346 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE | NonStatic | Min | -516.087 | -303.841 | 0.000 | 0.0000 |
| 12 | 0.59173 | SLE | NonStatic | Min | -496.302 | -225.881 | 0.000 | 0.0000 |
| 12 | 1.18346 | SLE | NonStatic | Min | -476.517 | -147.922 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 12 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -513.512 | -266.018 | 0.000 | 0.0000 |
| 12 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -495.289 | -184.675 | 0.000 | 0.0000 |
| 12 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -477.067 | -103.332 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -507.576 | -232.830 | 0.000 | 0.0000 |
| 12 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -491.412 | -156.673 | 0.000 | 0.0000 |
| 12 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -475.248 | -80.516 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -610.979 | -180.538 | 0.000 | 0.0000 |
| 12 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -596.998 | -93.393 | 0.000 | 0.0000 |
| 12 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -583.017 | -6.247 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 42.497 | 0.000 | 0.0000 |
| 12 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -597.809 | -108.014 | 0.000 | 0.0000 |
| 12 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -588.548 | -32.759 | 0.000 | 0.0000 |
| 12 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -579.286 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.59173 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 1.18346 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLE | NonStatic | Min | -448.814 | -217.992 | 0.000 | 0.0000 |
| 13 | 0.59173 | SLE | NonStatic | Min | -436.897 | -139.986 | 0.000 | 0.0000 |
| 13 | 1.18346 | SLE | NonStatic | Min | -424.980 | -61.981 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -456.071 | -173.981 | 0.000 | 0.0000 |
| 13 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -445.189 | -93.138 | 0.000 | 0.0000 |
| 13 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -434.306 | -12.296 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 13 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -457.708 | -151.151 | 0.000 | 0.0000 |
| 13 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -448.064 | -75.677 | 0.000 | 0.0000 |
| 13 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -438.420 | -0.203 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 76.722 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -575.431 | -93.955 | 0.000 | 0.0000 |
| 13 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -567.234 | -8.616 | 0.000 | 0.0000 |
| 13 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -559.037 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 27.837 | 0.000 | 0.0000 |
| 13 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 100.878 | 0.000 | 0.0000 |
| 13 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -579.081 | -45.205 | 0.000 | 0.0000 |
| 13 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -573.721 | 0.000 | 0.000 | 0.0000 |
| 13 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -568.361 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.59173 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 1.18346 | SLE | NonStatic | Max | 0.000 | 30.506 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE | NonStatic | Min | -410.803 | -125.272 | 0.000 | 0.0000 |
| 14 | 0.59173 | SLE | NonStatic | Min | -406.832 | -47.383 | 0.000 | 0.0000 |
| 14 | 1.18346 | SLE | NonStatic | Min | -402.861 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 2.890 | 0.000 | 0.0000 |
| 14 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 83.325 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -427.504 | -77.544 | 0.000 | 0.0000 |
| 14 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -423.894 | 0.000 | 0.000 | 0.0000 |
| 14 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -420.285 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 8.777 | 0.000 | 0.0000 |
| 14 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 83.764 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -433.392 | -66.209 | 0.000 | 0.0000 |
| 14 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -430.195 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 14 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -426.997 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 75.936 | 0.000 | 0.0000 |
| 14 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 160.194 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -564.216 | -8.321 | 0.000 | 0.0000 |
| 14 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -561.525 | 0.000 | 0.000 | 0.0000 |
| 14 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -558.834 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 14.156 | 0.000 | 0.0000 |
| 14 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 85.945 | 0.000 | 0.0000 |
| 14 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 157.733 | 0.000 | 0.0000 |
| 14 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -577.070 | 0.000 | 0.000 | 0.0000 |
| 14 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -575.323 | 0.000 | 0.000 | 0.0000 |
| 14 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -573.576 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.59173 | SLE | NonStatic | Max | 0.000 | 47.380 | 0.000 | 0.0000 |
| 15 | 1.18346 | SLE | NonStatic | Max | 0.000 | 125.269 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE | NonStatic | Min | -402.860 | -30.509 | 0.000 | 0.0000 |
| 15 | 0.59173 | SLE | NonStatic | Min | -406.831 | 0.000 | 0.000 | 0.0000 |
| 15 | 1.18346 | SLE | NonStatic | Min | -410.803 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 19.097 | 0.000 | 0.0000 |
| 15 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 99.448 | 0.000 | 0.0000 |
| 15 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 179.799 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -428.039 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -432.751 | 0.000 | 0.000 | 0.0000 |
| 15 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -437.463 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 18.521 | 0.000 | 0.0000 |
| 15 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 93.424 | 0.000 | 0.0000 |
| 15 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 168.327 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -434.741 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -439.041 | 0.000 | 0.000 | 0.0000 |
| 15 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -443.340 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 74.230 | 0.000 | 0.0000 |
| 15 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 158.280 | 0.000 | 0.0000 |
| 15 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 242.329 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -576.582 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 15 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -582.016 | 0.000 | 0.000 | 0.0000 |
| 15 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -587.449 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 69.578 | 0.000 | 0.0000 |
| 15 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 141.158 | 0.000 | 0.0000 |
| 15 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 212.739 | 0.000 | 0.0000 |
| 15 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -590.786 | 0.000 | 0.000 | 0.0000 |
| 15 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -595.275 | 0.000 | 0.000 | 0.0000 |
| 15 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -599.765 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE | NonStatic | Max | 0.000 | 61.978 | 0.000 | 0.0000 |
| 16 | 0.59173 | SLE | NonStatic | Max | 0.000 | 139.984 | 0.000 | 0.0000 |
| 16 | 1.18346 | SLE | NonStatic | Max | 0.000 | 217.990 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE | NonStatic | Min | -424.979 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.59173 | SLE | NonStatic | Min | -436.896 | 0.000 | 0.000 | 0.0000 |
| 16 | 1.18346 | SLE | NonStatic | Min | -448.812 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 111.886 | 0.000 | 0.0000 |
| 16 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 191.989 | 0.000 | 0.0000 |
| 16 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 272.092 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -459.546 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -473.635 | 0.000 | 0.000 | 0.0000 |
| 16 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -487.724 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 99.660 | 0.000 | 0.0000 |
| 16 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 174.394 | 0.000 | 0.0000 |
| 16 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 249.128 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -463.630 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -476.480 | 0.000 | 0.000 | 0.0000 |
| 16 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -489.330 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 151.121 | 0.000 | 0.0000 |
| 16 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 234.619 | 0.000 | 0.0000 |
| 16 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 318.117 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -617.238 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -633.414 | 0.000 | 0.000 | 0.0000 |
| 16 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -649.589 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 120.014 | 0.000 | 0.0000 |
| 16 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 191.215 | 0.000 | 0.0000 |
| 16 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 262.416 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 16 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -624.958 | 0.000 | 0.000 | 0.0000 |
| 16 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -638.297 | 0.000 | 0.000 | 0.0000 |
| 16 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -651.636 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE | NonStatic | Max | 0.000 | 147.920 | 0.000 | 0.0000 |
| 17 | 0.59173 | SLE | NonStatic | Max | 0.000 | 225.879 | 0.000 | 0.0000 |
| 17 | 1.18346 | SLE | NonStatic | Max | 0.000 | 303.838 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE | NonStatic | Min | -476.515 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.59173 | SLE | NonStatic | Min | -496.300 | 0.000 | 0.000 | 0.0000 |
| 17 | 1.18346 | SLE | NonStatic | Min | -516.085 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 195.559 | 0.000 | 0.0000 |
| 17 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 274.910 | 0.000 | 0.0000 |
| 17 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 354.260 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -523.130 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -546.373 | 0.000 | 0.000 | 0.0000 |
| 17 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -569.615 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 172.615 | 0.000 | 0.0000 |
| 17 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 246.780 | 0.000 | 0.0000 |
| 17 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 320.945 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -521.261 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -542.445 | 0.000 | 0.000 | 0.0000 |
| 17 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -563.629 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 216.689 | 0.000 | 0.0000 |
| 17 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 298.876 | 0.000 | 0.0000 |
| 17 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 381.063 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -690.080 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -716.552 | 0.000 | 0.000 | 0.0000 |
| 17 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -743.025 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 161.314 | 0.000 | 0.0000 |
| 17 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 231.612 | 0.000 | 0.0000 |
| 17 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 301.909 | 0.000 | 0.0000 |
| 17 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -683.717 | 0.000 | 0.000 | 0.0000 |
| 17 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -705.471 | 0.000 | 0.000 | 0.0000 |
| 17 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -727.224 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE | NonStatic | Max | 0.000 | 222.662 | 0.000 | 0.0000 |
| 18 | 0.59173 | SLE | NonStatic | Max | 0.000 | 300.234 | 0.000 | 0.0000 |
| 18 | 1.18346 | SLE | NonStatic | Max | 0.000 | 377.934 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE | NonStatic | Min | -555.947 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 18 | 0.59173 | SLE | NonStatic | Min | -583.324 | 0.000 | 0.000 | 0.0000 |
| 18 | 1.18346 | SLE | NonStatic | Min | -610.776 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 264.461 | 0.000 | 0.0000 |
| 18 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 342.414 | 0.000 | 0.0000 |
| 18 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 420.500 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -616.459 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -648.339 | 0.000 | 0.000 | 0.0000 |
| 18 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -680.295 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 232.426 | 0.000 | 0.0000 |
| 18 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 305.505 | 0.000 | 0.0000 |
| 18 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 378.704 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -605.526 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -634.555 | 0.000 | 0.000 | 0.0000 |
| 18 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -663.655 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 264.850 | 0.000 | 0.0000 |
| 18 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 344.935 | 0.000 | 0.0000 |
| 18 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 425.157 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -791.928 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -827.846 | 0.000 | 0.000 | 0.0000 |
| 18 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -863.845 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 188.977 | 0.000 | 0.0000 |
| 18 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 257.875 | 0.000 | 0.0000 |
| 18 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 326.891 | 0.000 | 0.0000 |
| 18 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -764.390 | 0.000 | 0.000 | 0.0000 |
| 18 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -793.769 | 0.000 | 0.000 | 0.0000 |
| 18 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -823.218 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE | NonStatic | Max | 0.000 | 281.658 | 0.000 | 0.0000 |
| 19 | 0.59173 | SLE | NonStatic | Max | 0.000 | 358.691 | 0.000 | 0.0000 |
| 19 | 1.18346 | SLE | NonStatic | Max | 0.000 | 436.875 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE | NonStatic | Min | -660.715 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.59173 | SLE | NonStatic | Min | -695.427 | 0.000 | 0.000 | 0.0000 |
| 19 | 1.18346 | SLE | NonStatic | Min | -731.069 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 313.281 | 0.000 | 0.0000 |
| 19 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 389.467 | 0.000 | 0.0000 |
| 19 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 466.841 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -735.850 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 19 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -775.798 | 0.000 | 0.000 | 0.0000 |
| 19 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -816.706 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 274.467 | 0.000 | 0.0000 |
| 19 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 346.198 | 0.000 | 0.0000 |
| 19 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 419.014 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -713.108 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -749.452 | 0.000 | 0.000 | 0.0000 |
| 19 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -786.674 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 290.250 | 0.000 | 0.0000 |
| 19 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 367.863 | 0.000 | 0.0000 |
| 19 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 446.717 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -918.009 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -962.432 | 0.000 | 0.000 | 0.0000 |
| 19 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -1007.859 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 199.222 | 0.000 | 0.0000 |
| 19 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 266.643 | 0.000 | 0.0000 |
| 19 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 335.122 | 0.000 | 0.0000 |
| 19 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -863.050 | 0.000 | 0.000 | 0.0000 |
| 19 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -899.230 | 0.000 | 0.000 | 0.0000 |
| 19 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -936.265 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE | NonStatic | Max | 0.000 | 321.817 | 0.000 | 0.0000 |
| 20 | 0.59173 | SLE | NonStatic | Max | 0.000 | 399.086 | 0.000 | 0.0000 |
| 20 | 1.18346 | SLE | NonStatic | Max | 0.000 | 478.499 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE | NonStatic | Min | -788.511 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.59173 | SLE | NonStatic | Min | -831.331 | 0.000 | 0.000 | 0.0000 |
| 20 | 1.18346 | SLE | NonStatic | Min | -876.501 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 338.556 | 0.000 | 0.0000 |
| 20 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 413.646 | 0.000 | 0.0000 |
| 20 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 490.947 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -877.684 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.59173 | SLE_SISMA_DOWN | NonStatic | Min | -926.139 | 0.000 | 0.000 | 0.0000 |
| 20 | 1.18346 | SLE_SISMA_DOWN | NonStatic | Min | -977.020 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 295.797 | 0.000 | 0.0000 |
| 20 | 0.59173 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 366.878 | 0.000 | 0.0000 |
| 20 | 1.18346 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 439.982 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 20 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -840.794 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.59173 | SLE_SISMA_UP | NonStatic | Min | -884.855 | 0.000 | 0.000 | 0.0000 |
| 20 | 1.18346 | SLE_SISMA_UP | NonStatic | Min | -931.135 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 289.882 | 0.000 | 0.0000 |
| 20 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 365.883 | 0.000 | 0.0000 |
| 20 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 444.199 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1063.628 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.59173 | SLU_SISMA_DOWN | NonStatic | Min | -1116.691 | 0.000 | 0.000 | 0.0000 |
| 20 | 1.18346 | SLU_SISMA_DOWN | NonStatic | Min | -1172.292 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 190.339 | 0.000 | 0.0000 |
| 20 | 0.59173 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 257.292 | 0.000 | 0.0000 |
| 20 | 1.18346 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 326.218 | 0.000 | 0.0000 |
| 20 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -976.048 | 0.000 | 0.000 | 0.0000 |
| 20 | 0.59173 | SLU_SISMA_UP | NonStatic | Min | -1019.195 | 0.000 | 0.000 | 0.0000 |
| 20 | 1.18346 | SLU_SISMA_UP | NonStatic | Min | -1064.503 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE | NonStatic | Max | 0.000 | 337.854 | 0.000 | 0.0000 |
| 21 | 0.59164 | SLE | NonStatic | Max | 0.000 | 415.344 | 0.000 | 0.0000 |
| 21 | 1.18328 | SLE | NonStatic | Max | 0.000 | 495.816 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE | NonStatic | Min | -939.715 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.59164 | SLE | NonStatic | Min | -991.958 | 0.000 | 0.000 | 0.0000 |
| 21 | 1.18328 | SLE | NonStatic | Min | -1048.701 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 334.687 | 0.000 | 0.0000 |
| 21 | 0.59164 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 408.623 | 0.000 | 0.0000 |
| 21 | 1.18328 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 485.636 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1040.952 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.59164 | SLE_SISMA_DOWN | NonStatic | Min | -1098.879 | 0.000 | 0.000 | 0.0000 |
| 21 | 1.18328 | SLE_SISMA_DOWN | NonStatic | Min | -1161.450 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 291.393 | 0.000 | 0.0000 |
| 21 | 0.59164 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 361.854 | 0.000 | 0.0000 |
| 21 | 1.18328 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 435.130 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -987.769 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.59164 | SLE_SISMA_UP | NonStatic | Min | -1040.449 | 0.000 | 0.000 | 0.0000 |
| 21 | 1.18328 | SLE_SISMA_UP | NonStatic | Min | -1097.377 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 258.434 | 0.000 | 0.0000 |
| 21 | 0.59164 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 333.020 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 21 | 1.18328 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 410.826 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1226.700 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.59164 | SLU_SISMA_DOWN | NonStatic | Min | -1289.167 | 0.000 | 0.000 | 0.0000 |
| 21 | 1.18328 | SLU_SISMA_DOWN | NonStatic | Min | -1356.496 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 158.453 | 0.000 | 0.0000 |
| 21 | 0.59164 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 225.395 | 0.000 | 0.0000 |
| 21 | 1.18328 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 295.080 | 0.000 | 0.0000 |
| 21 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1102.033 | 0.000 | 0.000 | 0.0000 |
| 21 | 0.59164 | SLU_SISMA_UP | NonStatic | Min | -1152.959 | 0.000 | 0.000 | 0.0000 |
| 21 | 1.18328 | SLU_SISMA_UP | NonStatic | Min | -1208.026 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE | NonStatic | Max | 0.000 | 315.232 | 0.000 | 0.0000 |
| 22 | 0.59160 | SLE | NonStatic | Max | 0.000 | 389.223 | 0.000 | 0.0000 |
| 22 | 1.18320 | SLE | NonStatic | Max | 0.000 | 462.041 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE | NonStatic | Min | -1116.347 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.59160 | SLE | NonStatic | Min | -1174.582 | 0.000 | 0.000 | 0.0000 |
| 22 | 1.18320 | SLE | NonStatic | Min | -1230.182 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 286.521 | 0.000 | 0.0000 |
| 22 | 0.59160 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 355.490 | 0.000 | 0.0000 |
| 22 | 1.18320 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 423.250 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1225.853 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.59160 | SLE_SISMA_DOWN | NonStatic | Min | -1289.253 | 0.000 | 0.000 | 0.0000 |
| 22 | 1.18320 | SLE_SISMA_DOWN | NonStatic | Min | -1349.933 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 247.326 | 0.000 | 0.0000 |
| 22 | 0.59160 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 313.755 | 0.000 | 0.0000 |
| 22 | 1.18320 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 379.077 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1154.298 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.59160 | SLE_SISMA_UP | NonStatic | Min | -1211.986 | 0.000 | 0.000 | 0.0000 |
| 22 | 1.18320 | SLE_SISMA_UP | NonStatic | Min | -1267.186 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 180.704 | 0.000 | 0.0000 |
| 22 | 0.59160 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 250.194 | 0.000 | 0.0000 |
| 22 | 1.18320 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 318.418 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1405.810 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.59160 | SLU_SISMA_DOWN | NonStatic | Min | -1473.354 | 0.000 | 0.000 | 0.0000 |
| 22 | 1.18320 | SLU_SISMA_DOWN | NonStatic | Min | -1538.052 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 98.732 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 22 | 0.59160 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 162.797 | 0.000 | 0.0000 |
| 22 | 1.18320 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 225.783 | 0.000 | 0.0000 |
| 22 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1240.218 | 0.000 | 0.000 | 0.0000 |
| 22 | 0.59160 | SLU_SISMA_UP | NonStatic | Min | -1295.566 | 0.000 | 0.000 | 0.0000 |
| 22 | 1.18320 | SLU_SISMA_UP | NonStatic | Min | -1348.489 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE | NonStatic | Max | 0.000 | 250.565 | 0.000 | 0.0000 |
| 23 | 0.59160 | SLE | NonStatic | Max | 0.000 | 316.655 | 0.000 | 0.0000 |
| 23 | 1.18320 | SLE | NonStatic | Max | 0.000 | 382.065 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE | NonStatic | Min | -1289.978 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.59160 | SLE | NonStatic | Min | -1338.140 | 0.000 | 0.000 | 0.0000 |
| 23 | 1.18320 | SLE | NonStatic | Min | -1383.652 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 192.363 | 0.000 | 0.0000 |
| 23 | 0.59160 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 252.091 | 0.000 | 0.0000 |
| 23 | 1.18320 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 311.118 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1401.591 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.59160 | SLE_SISMA_DOWN | NonStatic | Min | -1453.480 | 0.000 | 0.000 | 0.0000 |
| 23 | 1.18320 | SLE_SISMA_DOWN | NonStatic | Min | -1502.634 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 162.597 | 0.000 | 0.0000 |
| 23 | 0.59160 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 221.129 | 0.000 | 0.0000 |
| 23 | 1.18320 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 279.019 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1312.639 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.59160 | SLE_SISMA_UP | NonStatic | Min | -1359.864 | 0.000 | 0.000 | 0.0000 |
| 23 | 1.18320 | SLE_SISMA_UP | NonStatic | Min | -1404.588 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 87.690 | 0.000 | 0.0000 |
| 23 | 0.59160 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 147.984 | 0.000 | 0.0000 |
| 23 | 1.18320 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 207.544 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1569.608 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.59160 | SLU_SISMA_DOWN | NonStatic | Min | -1624.478 | 0.000 | 0.000 | 0.0000 |
| 23 | 1.18320 | SLU_SISMA_DOWN | NonStatic | Min | -1676.486 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 35.976 | 0.000 | 0.0000 |
| 23 | 0.59160 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 93.758 | 0.000 | 0.0000 |
| 23 | 1.18320 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 150.915 | 0.000 | 0.0000 |
| 23 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1368.029 | 0.000 | 0.000 | 0.0000 |
| 23 | 0.59160 | SLU_SISMA_UP | NonStatic | Min | -1413.107 | 0.000 | 0.000 | 0.0000 |
| 23 | 1.18320 | SLU_SISMA_UP | NonStatic | Min | -1455.748 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE | NonStatic | Max | 0.000 | 146.130 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 24 | 0.59162 | SLE | NonStatic | Max | 0.000 | 208.558 | 0.000 | 0.0000 |
| 24 | 1.18323 | SLE | NonStatic | Max | 0.000 | 270.917 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE | NonStatic | Min | -1427.974 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.59162 | SLE | NonStatic | Min | -1461.815 | 0.000 | 0.000 | 0.0000 |
| 24 | 1.18323 | SLE | NonStatic | Min | -1494.845 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 77.219 | 0.000 | 0.0000 |
| 24 | 0.59162 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 132.484 | 0.000 | 0.0000 |
| 24 | 1.18323 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 187.678 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1533.469 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.59162 | SLE_SISMA_DOWN | NonStatic | Min | -1569.167 | 0.000 | 0.000 | 0.0000 |
| 24 | 1.18323 | SLE_SISMA_DOWN | NonStatic | Min | -1604.029 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 62.534 | 0.000 | 0.0000 |
| 24 | 0.59162 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 117.535 | 0.000 | 0.0000 |
| 24 | 1.18323 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 172.472 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1431.445 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.59162 | SLE_SISMA_UP | NonStatic | Min | -1464.002 | 0.000 | 0.000 | 0.0000 |
| 24 | 1.18323 | SLE_SISMA_UP | NonStatic | Min | -1495.793 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 10.410 | 0.000 | 0.0000 |
| 24 | 0.59162 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 66.790 | 0.000 | 0.0000 |
| 24 | 1.18323 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 123.097 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1692.086 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.59162 | SLU_SISMA_DOWN | NonStatic | Min | -1729.566 | 0.000 | 0.000 | 0.0000 |
| 24 | 1.18323 | SLU_SISMA_DOWN | NonStatic | Min | -1766.171 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 24 | 0.59162 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 49.894 | 0.000 | 0.0000 |
| 24 | 1.18323 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 105.690 | 0.000 | 0.0000 |
| 24 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1465.561 | -5.965 | 0.000 | 0.0000 |
| 24 | 0.59162 | SLU_SISMA_UP | NonStatic | Min | -1496.826 | 0.000 | 0.000 | 0.0000 |
| 24 | 1.18323 | SLU_SISMA_UP | NonStatic | Min | -1527.346 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE | NonStatic | Max | 0.000 | 148.781 | 0.000 | 0.0000 |
| 25 | 0.44749 | SLE | NonStatic | Max | 0.000 | 197.821 | 0.000 | 0.0000 |
| 25 | 0.89498 | SLE | NonStatic | Max | 0.000 | 246.861 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE | NonStatic | Min | -1512.265 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.44749 | SLE | NonStatic | Min | -1532.123 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.89498 | SLE | NonStatic | Min | -1552.316 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 97.352 | 0.000 | 0.0000 |
| 25 | 0.44749 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 140.856 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 25 | 0.89498 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 184.361 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1615.731 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.44749 | SLE_SISMA_DOWN | NonStatic | Min | -1636.225 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.89498 | SLE_SISMA_DOWN | NonStatic | Min | -1657.065 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 91.607 | 0.000 | 0.0000 |
| 25 | 0.44749 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 135.112 | 0.000 | 0.0000 |
| 25 | 0.89498 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 178.617 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1506.655 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.44749 | SLE_SISMA_UP | NonStatic | Min | -1525.401 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.89498 | SLE_SISMA_UP | NonStatic | Min | -1544.464 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 83.272 | 0.000 | 0.0000 |
| 25 | 0.44749 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 128.297 | 0.000 | 0.0000 |
| 25 | 0.89498 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 173.322 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1774.887 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.44749 | SLU_SISMA_DOWN | NonStatic | Min | -1796.333 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.89498 | SLU_SISMA_DOWN | NonStatic | Min | -1818.142 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 83.221 | 0.000 | 0.0000 |
| 25 | 0.44749 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 128.246 | 0.000 | 0.0000 |
| 25 | 0.89498 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 173.271 | 0.000 | 0.0000 |
| 25 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1535.388 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.44749 | SLU_SISMA_UP | NonStatic | Min | -1553.657 | 0.000 | 0.000 | 0.0000 |
| 25 | 0.89498 | SLU_SISMA_UP | NonStatic | Min | -1572.236 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE | NonStatic | Max | 0.000 | 254.315 | 0.000 | 0.0000 |
| 26 | 0.44749 | SLE | NonStatic | Max | 0.000 | 306.752 | 0.000 | 0.0000 |
| 26 | 0.89498 | SLE | NonStatic | Max | 0.000 | 359.189 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE | NonStatic | Min | -1552.312 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.44749 | SLE | NonStatic | Min | -1573.204 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.89498 | SLE | NonStatic | Min | -1595.159 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 232.411 | 0.000 | 0.0000 |
| 26 | 0.44749 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 279.312 | 0.000 | 0.0000 |
| 26 | 0.89498 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 326.214 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1657.061 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.44749 | SLE_SISMA_DOWN | NonStatic | Min | -1678.622 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.89498 | SLE_SISMA_DOWN | NonStatic | Min | -1701.279 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 226.194 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 26 | 0.44749 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 273.095 | 0.000 | 0.0000 |
| 26 | 0.89498 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 319.997 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1544.461 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.44749 | SLE_SISMA_UP | NonStatic | Min | -1564.183 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.89498 | SLE_SISMA_UP | NonStatic | Min | -1584.908 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 275.442 | 0.000 | 0.0000 |
| 26 | 0.44749 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 324.540 | 0.000 | 0.0000 |
| 26 | 0.89498 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 373.638 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1818.139 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.44749 | SLU_SISMA_DOWN | NonStatic | Min | -1840.702 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.89498 | SLU_SISMA_DOWN | NonStatic | Min | -1864.413 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 271.470 | 0.000 | 0.0000 |
| 26 | 0.44749 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 320.568 | 0.000 | 0.0000 |
| 26 | 0.89498 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 369.666 | 0.000 | 0.0000 |
| 26 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1572.232 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.44749 | SLU_SISMA_UP | NonStatic | Min | -1591.453 | 0.000 | 0.000 | 0.0000 |
| 26 | 0.89498 | SLU_SISMA_UP | NonStatic | Min | -1611.651 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE | NonStatic | Max | 0.000 | 366.013 | 0.000 | 0.0000 |
| 27 | 0.44747 | SLE | NonStatic | Max | 0.000 | 421.883 | 0.000 | 0.0000 |
| 27 | 0.89493 | SLE | NonStatic | Max | 0.000 | 477.753 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE | NonStatic | Min | -1595.153 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.44747 | SLE | NonStatic | Min | -1618.588 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.89493 | SLE | NonStatic | Min | -1643.925 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 371.701 | 0.000 | 0.0000 |
| 27 | 0.44747 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 422.035 | 0.000 | 0.0000 |
| 27 | 0.89493 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 472.369 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1701.273 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.44747 | SLE_SISMA_DOWN | NonStatic | Min | -1725.459 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.89493 | SLE_SISMA_DOWN | NonStatic | Min | -1751.606 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 365.108 | 0.000 | 0.0000 |
| 27 | 0.44747 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 415.442 | 0.000 | 0.0000 |
| 27 | 0.89493 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 465.777 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1584.902 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.44747 | SLE_SISMA_UP | NonStatic | Min | -1607.025 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.89493 | SLE_SISMA_UP | NonStatic | Min | -1630.943 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 27 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 470.705 | 0.000 | 0.0000 |
| 27 | 0.44747 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 523.919 | 0.000 | 0.0000 |
| 27 | 0.89493 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 577.133 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1864.407 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.44747 | SLU_SISMA_DOWN | NonStatic | Min | -1889.717 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.89493 | SLU_SISMA_DOWN | NonStatic | Min | -1917.081 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 463.041 | 0.000 | 0.0000 |
| 27 | 0.44747 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 516.255 | 0.000 | 0.0000 |
| 27 | 0.89493 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 569.469 | 0.000 | 0.0000 |
| 27 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1611.644 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.44747 | SLU_SISMA_UP | NonStatic | Min | -1633.205 | 0.000 | 0.000 | 0.0000 |
| 27 | 0.89493 | SLU_SISMA_UP | NonStatic | Min | -1656.515 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.44607 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.89214 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE | NonStatic | Min | -392.134 | -1885.182 | 0.000 | 0.0000 |
| 28 | 0.44607 | SLE | NonStatic | Min | -419.707 | -1826.102 | 0.000 | 0.0000 |
| 28 | 0.89214 | SLE | NonStatic | Min | -450.012 | -1767.021 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.44607 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.89214 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -496.774 | -1861.189 | 0.000 | 0.0000 |
| 28 | 0.44607 | SLE_SISMA_DOWN | NonStatic | Min | -525.229 | -1807.626 | 0.000 | 0.0000 |
| 28 | 0.89214 | SLE_SISMA_DOWN | NonStatic | Min | -556.504 | -1754.064 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.44607 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.89214 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -468.538 | -1692.389 | 0.000 | 0.0000 |
| 28 | 0.44607 | SLE_SISMA_UP | NonStatic | Min | -494.566 | -1638.826 | 0.000 | 0.0000 |
| 28 | 0.89214 | SLE_SISMA_UP | NonStatic | Min | -523.174 | -1585.263 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.44607 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.89214 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -637.534 | -1755.627 | 0.000 | 0.0000 |
| 28 | 0.44607 | SLU_SISMA_DOWN | NonStatic | Min | -667.313 | -1698.520 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 28 | 0.89214 | SLU_SISMA_DOWN | NonStatic | Min | -700.042 | -1641.413 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.44607 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.89214 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -570.653 | -1399.891 | 0.000 | 0.0000 |
| 28 | 0.44607 | SLU_SISMA_UP | NonStatic | Min | -596.020 | -1342.784 | 0.000 | 0.0000 |
| 28 | 0.89214 | SLU_SISMA_UP | NonStatic | Min | -623.900 | -1285.677 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE | NonStatic | Max | 1764.833 | 334.510 | 0.000 | 0.0000 |
| 29 | 0.41276 | SLE | NonStatic | Max | 1764.833 | 346.893 | 0.000 | 0.0000 |
| 29 | 0.82552 | SLE | NonStatic | Max | 1764.833 | 359.276 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.41276 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.82552 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 1734.524 | 430.372 | 0.000 | 0.0000 |
| 29 | 0.41276 | SLE_SISMA_DOWN | NonStatic | Max | 1734.524 | 443.151 | 0.000 | 0.0000 |
| 29 | 0.82552 | SLE_SISMA_DOWN | NonStatic | Max | 1734.524 | 455.930 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.41276 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.82552 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 1565.760 | 405.991 | 0.000 | 0.0000 |
| 29 | 0.41276 | SLE_SISMA_UP | NonStatic | Max | 1565.760 | 417.680 | 0.000 | 0.0000 |
| 29 | 0.82552 | SLE_SISMA_UP | NonStatic | Max | 1565.760 | 429.370 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.41276 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.82552 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 1598.607 | 558.801 | 0.000 | 0.0000 |
| 29 | 0.41276 | SLU_SISMA_DOWN | NonStatic | Max | 1598.607 | 572.175 | 0.000 | 0.0000 |
| 29 | 0.82552 | SLU_SISMA_DOWN | NonStatic | Max | 1598.607 | 585.548 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.41276 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.82552 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 1244.369 | 501.331 | 0.000 | 0.0000 |
| 29 | 0.41276 | SLU_SISMA_UP | NonStatic | Max | 1244.369 | 512.724 | 0.000 | 0.0000 |
| 29 | 0.82552 | SLU_SISMA_UP | NonStatic | Max | 1244.369 | 524.116 | 0.000 | 0.0000 |
| 29 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 29 | 0.41276 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 29 | 0.82552 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE | NonStatic | Max | 1764.833 | 130.000 | 0.000 | 0.0000 |
| 30 | 0.41276 | SLE | NonStatic | Max | 1764.833 | 142.383 | 0.000 | 0.0000 |
| 30 | 0.82552 | SLE | NonStatic | Max | 1764.833 | 154.766 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.41276 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.82552 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 1734.524 | 207.234 | 0.000 | 0.0000 |
| 30 | 0.41276 | SLE_SISMA_DOWN | NonStatic | Max | 1734.524 | 220.013 | 0.000 | 0.0000 |
| 30 | 0.82552 | SLE_SISMA_DOWN | NonStatic | Max | 1734.524 | 232.792 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.41276 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.82552 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 1565.760 | 198.381 | 0.000 | 0.0000 |
| 30 | 0.41276 | SLE_SISMA_UP | NonStatic | Max | 1565.760 | 210.071 | 0.000 | 0.0000 |
| 30 | 0.82552 | SLE_SISMA_UP | NonStatic | Max | 1565.760 | 221.760 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.41276 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.82552 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 1598.607 | 308.976 | 0.000 | 0.0000 |
| 30 | 0.41276 | SLU_SISMA_DOWN | NonStatic | Max | 1598.607 | 322.350 | 0.000 | 0.0000 |
| 30 | 0.82552 | SLU_SISMA_DOWN | NonStatic | Max | 1598.607 | 335.723 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.41276 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.82552 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 1244.369 | 284.466 | 0.000 | 0.0000 |
| 30 | 0.41276 | SLU_SISMA_UP | NonStatic | Max | 1244.369 | 295.858 | 0.000 | 0.0000 |
| 30 | 0.82552 | SLU_SISMA_UP | NonStatic | Max | 1244.369 | 307.250 | 0.000 | 0.0000 |
| 30 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.41276 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 30 | 0.82552 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE | NonStatic | Max | 0.000 | 880.528 | 0.000 | 0.0000 |
| 31 | 0.51989 | SLE | NonStatic | Max | 0.000 | 894.926 | 0.000 | 0.0000 |
| 31 | 1.03978 | SLE | NonStatic | Max | 0.000 | 909.323 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE | NonStatic | Min | -1076.389 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.51989 | SLE | NonStatic | Min | -1082.387 | 0.000 | 0.000 | 0.0000 |
| 31 | 1.03978 | SLE | NonStatic | Min | -1088.384 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 31 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 915.526 | 0.000 | 0.0000 |
| 31 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 930.384 | 0.000 | 0.0000 |
| 31 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 945.242 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1139.581 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Min | -1145.771 | 0.000 | 0.000 | 0.0000 |
| 31 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Min | -1151.961 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 836.312 | 0.000 | 0.0000 |
| 31 | 0.51989 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 849.903 | 0.000 | 0.0000 |
| 31 | 1.03978 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 863.494 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1094.906 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.51989 | SLE_SISMA_UP | NonStatic | Min | -1100.568 | 0.000 | 0.000 | 0.0000 |
| 31 | 1.03978 | SLE_SISMA_UP | NonStatic | Min | -1106.230 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 926.720 | 0.000 | 0.0000 |
| 31 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 942.269 | 0.000 | 0.0000 |
| 31 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 957.818 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1354.782 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Min | -1361.260 | 0.000 | 0.000 | 0.0000 |
| 31 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Min | -1367.737 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 756.826 | 0.000 | 0.0000 |
| 31 | 0.51989 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 770.071 | 0.000 | 0.0000 |
| 31 | 1.03978 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 783.317 | 0.000 | 0.0000 |
| 31 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1261.307 | 0.000 | 0.000 | 0.0000 |
| 31 | 0.51989 | SLU_SISMA_UP | NonStatic | Min | -1266.825 | 0.000 | 0.000 | 0.0000 |
| 31 | 1.03978 | SLU_SISMA_UP | NonStatic | Min | -1272.343 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE | NonStatic | Max | 0.000 | 721.263 | 0.000 | 0.0000 |
| 32 | 0.51989 | SLE | NonStatic | Max | 0.000 | 736.054 | 0.000 | 0.0000 |
| 32 | 1.03978 | SLE | NonStatic | Max | 0.000 | 750.844 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE | NonStatic | Min | -1029.725 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.51989 | SLE | NonStatic | Min | -1034.675 | 0.000 | 0.000 | 0.0000 |
| 32 | 1.03978 | SLE | NonStatic | Min | -1039.625 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 727.829 | 0.000 | 0.0000 |
| 32 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 743.093 | 0.000 | 0.0000 |
| 32 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 758.357 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1091.820 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Min | -1096.929 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 32 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Min | -1102.037 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 663.079 | 0.000 | 0.0000 |
| 32 | 0.51989 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 677.041 | 0.000 | 0.0000 |
| 32 | 1.03978 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 691.003 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1051.358 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.51989 | SLE_SISMA_UP | NonStatic | Min | -1056.031 | 0.000 | 0.000 | 0.0000 |
| 32 | 1.03978 | SLE_SISMA_UP | NonStatic | Min | -1060.704 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 707.929 | 0.000 | 0.0000 |
| 32 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 723.902 | 0.000 | 0.0000 |
| 32 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 739.876 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1307.918 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Min | -1313.264 | 0.000 | 0.000 | 0.0000 |
| 32 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Min | -1318.610 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 570.106 | 0.000 | 0.0000 |
| 32 | 0.51989 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 583.713 | 0.000 | 0.0000 |
| 32 | 1.03978 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 597.320 | 0.000 | 0.0000 |
| 32 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1223.752 | 0.000 | 0.000 | 0.0000 |
| 32 | 0.51989 | SLU_SISMA_UP | NonStatic | Min | -1228.306 | 0.000 | 0.000 | 0.0000 |
| 32 | 1.03978 | SLU_SISMA_UP | NonStatic | Min | -1232.860 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE | NonStatic | Max | 0.000 | 559.041 | 0.000 | 0.0000 |
| 33 | 0.51989 | SLE | NonStatic | Max | 0.000 | 574.148 | 0.000 | 0.0000 |
| 33 | 1.03978 | SLE | NonStatic | Max | 0.000 | 589.255 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE | NonStatic | Min | -992.503 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.51989 | SLE | NonStatic | Min | -996.379 | 0.000 | 0.000 | 0.0000 |
| 33 | 1.03978 | SLE | NonStatic | Min | -1000.256 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 542.253 | 0.000 | 0.0000 |
| 33 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 557.843 | 0.000 | 0.0000 |
| 33 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 573.434 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1055.295 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Min | -1059.296 | 0.000 | 0.000 | 0.0000 |
| 33 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Min | -1063.296 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 492.140 | 0.000 | 0.0000 |
| 33 | 0.51989 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 506.401 | 0.000 | 0.0000 |
| 33 | 1.03978 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 520.662 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1018.187 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 33 | 0.51989 | SLE_SISMA_UP | NonStatic | Min | -1021.846 | 0.000 | 0.000 | 0.0000 |
| 33 | 1.03978 | SLE_SISMA_UP | NonStatic | Min | -1025.506 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 497.944 | 0.000 | 0.0000 |
| 33 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 514.259 | 0.000 | 0.0000 |
| 33 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 530.575 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1274.184 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Min | -1278.371 | 0.000 | 0.000 | 0.0000 |
| 33 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Min | -1282.558 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 392.328 | 0.000 | 0.0000 |
| 33 | 0.51989 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 406.226 | 0.000 | 0.0000 |
| 33 | 1.03978 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 420.125 | 0.000 | 0.0000 |
| 33 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1197.355 | 0.000 | 0.000 | 0.0000 |
| 33 | 0.51989 | SLU_SISMA_UP | NonStatic | Min | -1200.922 | 0.000 | 0.000 | 0.0000 |
| 33 | 1.03978 | SLU_SISMA_UP | NonStatic | Min | -1204.488 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE | NonStatic | Max | 0.000 | 395.345 | 0.000 | 0.0000 |
| 34 | 0.51989 | SLE | NonStatic | Max | 0.000 | 410.691 | 0.000 | 0.0000 |
| 34 | 1.03978 | SLE | NonStatic | Max | 0.000 | 426.037 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE | NonStatic | Min | -964.836 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.51989 | SLE | NonStatic | Min | -967.619 | 0.000 | 0.000 | 0.0000 |
| 34 | 1.03978 | SLE | NonStatic | Min | -970.403 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 360.349 | 0.000 | 0.0000 |
| 34 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 376.187 | 0.000 | 0.0000 |
| 34 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 392.024 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1029.750 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Min | -1032.623 | 0.000 | 0.000 | 0.0000 |
| 34 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Min | -1035.495 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 324.936 | 0.000 | 0.0000 |
| 34 | 0.51989 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 339.423 | 0.000 | 0.0000 |
| 34 | 1.03978 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 353.910 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -995.132 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.51989 | SLE_SISMA_UP | NonStatic | Min | -997.759 | 0.000 | 0.000 | 0.0000 |
| 34 | 1.03978 | SLE_SISMA_UP | NonStatic | Min | -1000.387 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 298.433 | 0.000 | 0.0000 |
| 34 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 315.007 | 0.000 | 0.0000 |
| 34 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 331.581 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 34 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1252.839 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Min | -1255.845 | 0.000 | 0.000 | 0.0000 |
| 34 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Min | -1258.851 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 224.925 | 0.000 | 0.0000 |
| 34 | 0.51989 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 239.044 | 0.000 | 0.0000 |
| 34 | 1.03978 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 253.163 | 0.000 | 0.0000 |
| 34 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1181.382 | 0.000 | 0.000 | 0.0000 |
| 34 | 0.51989 | SLU_SISMA_UP | NonStatic | Min | -1183.942 | 0.000 | 0.000 | 0.0000 |
| 34 | 1.03978 | SLU_SISMA_UP | NonStatic | Min | -1186.503 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE | NonStatic | Max | 0.000 | 231.056 | 0.000 | 0.0000 |
| 35 | 0.51989 | SLE | NonStatic | Max | 0.000 | 246.562 | 0.000 | 0.0000 |
| 35 | 1.03978 | SLE | NonStatic | Max | 0.000 | 262.069 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE | NonStatic | Min | -946.765 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.51989 | SLE | NonStatic | Min | -948.440 | 0.000 | 0.000 | 0.0000 |
| 35 | 1.03978 | SLE | NonStatic | Min | -950.116 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 183.033 | 0.000 | 0.0000 |
| 35 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 199.036 | 0.000 | 0.0000 |
| 35 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 215.038 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1014.853 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Min | -1016.583 | 0.000 | 0.000 | 0.0000 |
| 35 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Min | -1018.312 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 162.328 | 0.000 | 0.0000 |
| 35 | 0.51989 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 176.966 | 0.000 | 0.0000 |
| 35 | 1.03978 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 191.604 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -981.861 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.51989 | SLE_SISMA_UP | NonStatic | Min | -983.443 | 0.000 | 0.000 | 0.0000 |
| 35 | 1.03978 | SLE_SISMA_UP | NonStatic | Min | -985.025 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 110.406 | 0.000 | 0.0000 |
| 35 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 127.153 | 0.000 | 0.0000 |
| 35 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 143.900 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1243.055 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Min | -1244.865 | 0.000 | 0.000 | 0.0000 |
| 35 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Min | -1246.675 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 68.791 | 0.000 | 0.0000 |
| 35 | 0.51989 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 83.056 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 35 | 1.03978 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 97.322 | 0.000 | 0.0000 |
| 35 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1175.021 | 0.000 | 0.000 | 0.0000 |
| 35 | 0.51989 | SLU_SISMA_UP | NonStatic | Min | -1176.563 | 0.000 | 0.000 | 0.0000 |
| 35 | 1.03978 | SLU_SISMA_UP | NonStatic | Min | -1178.104 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE | NonStatic | Max | 0.000 | 66.629 | 0.000 | 0.0000 |
| 36 | 0.51984 | SLE | NonStatic | Max | 0.000 | 82.214 | 0.000 | 0.0000 |
| 36 | 1.03967 | SLE | NonStatic | Max | 0.000 | 97.799 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE | NonStatic | Min | -938.293 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.51984 | SLE | NonStatic | Min | -938.852 | 0.000 | 0.000 | 0.0000 |
| 36 | 1.03967 | SLE | NonStatic | Min | -939.412 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 10.779 | 0.000 | 0.0000 |
| 36 | 0.51984 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 26.863 | 0.000 | 0.0000 |
| 36 | 1.03967 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 42.946 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1010.235 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.51984 | SLE_SISMA_DOWN | NonStatic | Min | -1010.813 | 0.000 | 0.000 | 0.0000 |
| 36 | 1.03967 | SLE_SISMA_DOWN | NonStatic | Min | -1011.390 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 4.772 | 0.000 | 0.0000 |
| 36 | 0.51984 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 19.484 | 0.000 | 0.0000 |
| 36 | 1.03967 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 34.196 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -978.007 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.51984 | SLE_SISMA_UP | NonStatic | Min | -978.535 | 0.000 | 0.000 | 0.0000 |
| 36 | 1.03967 | SLE_SISMA_UP | NonStatic | Min | -979.063 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.51984 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 1.03967 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1243.963 | -65.573 | 0.000 | 0.0000 |
| 36 | 0.51984 | SLU_SISMA_DOWN | NonStatic | Min | -1244.568 | -48.741 | 0.000 | 0.0000 |
| 36 | 1.03967 | SLU_SISMA_DOWN | NonStatic | Min | -1245.172 | -31.909 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.51984 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 1.03967 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1177.423 | -75.548 | 0.000 | 0.0000 |
| 36 | 0.51984 | SLU_SISMA_UP | NonStatic | Min | -1177.938 | -61.210 | 0.000 | 0.0000 |
| 36 | 1.03967 | SLU_SISMA_UP | NonStatic | Min | -1178.453 | -46.871 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.51994 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 37 | 1.03988 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE | NonStatic | Min | -939.410 | -97.777 | 0.000 | 0.0000 |
| 37 | 0.51994 | SLE | NonStatic | Min | -938.851 | -82.189 | 0.000 | 0.0000 |
| 37 | 1.03988 | SLE | NonStatic | Min | -938.291 | -66.600 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.51994 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 1.03988 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1015.510 | -156.240 | 0.000 | 0.0000 |
| 37 | 0.51994 | SLE_SISMA_DOWN | NonStatic | Min | -1014.933 | -140.152 | 0.000 | 0.0000 |
| 37 | 1.03988 | SLE_SISMA_DOWN | NonStatic | Min | -1014.356 | -124.065 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.51994 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 1.03988 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -983.186 | -147.548 | 0.000 | 0.0000 |
| 37 | 0.51994 | SLE_SISMA_UP | NonStatic | Min | -982.658 | -132.832 | 0.000 | 0.0000 |
| 37 | 1.03988 | SLE_SISMA_UP | NonStatic | Min | -982.130 | -118.117 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.51994 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 1.03988 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1254.673 | -229.233 | 0.000 | 0.0000 |
| 37 | 0.51994 | SLU_SISMA_DOWN | NonStatic | Min | -1254.069 | -212.397 | 0.000 | 0.0000 |
| 37 | 1.03988 | SLU_SISMA_DOWN | NonStatic | Min | -1253.464 | -195.562 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.51994 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 1.03988 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 37 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1187.718 | -207.798 | 0.000 | 0.0000 |
| 37 | 0.51994 | SLU_SISMA_UP | NonStatic | Min | -1187.203 | -193.457 | 0.000 | 0.0000 |
| 37 | 1.03988 | SLU_SISMA_UP | NonStatic | Min | -1186.689 | -179.116 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.51989 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 1.03978 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE | NonStatic | Min | -950.116 | -262.060 | 0.000 | 0.0000 |
| 38 | 0.51989 | SLE | NonStatic | Min | -948.440 | -246.554 | 0.000 | 0.0000 |
| 38 | 1.03978 | SLE | NonStatic | Min | -946.764 | -231.048 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 38 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1030.302 | -317.895 | 0.000 | 0.0000 |
| 38 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Min | -1028.573 | -301.892 | 0.000 | 0.0000 |
| 38 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Min | -1026.843 | -285.890 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.51989 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 1.03978 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -997.022 | -294.488 | 0.000 | 0.0000 |
| 38 | 0.51989 | SLE_SISMA_UP | NonStatic | Min | -995.440 | -279.850 | 0.000 | 0.0000 |
| 38 | 1.03978 | SLE_SISMA_UP | NonStatic | Min | -993.858 | -265.212 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1274.294 | -380.338 | 0.000 | 0.0000 |
| 38 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Min | -1272.484 | -363.591 | 0.000 | 0.0000 |
| 38 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Min | -1270.674 | -346.844 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.51989 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 1.03978 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 38 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1205.030 | -327.695 | 0.000 | 0.0000 |
| 38 | 0.51989 | SLU_SISMA_UP | NonStatic | Min | -1203.489 | -313.429 | 0.000 | 0.0000 |
| 38 | 1.03978 | SLU_SISMA_UP | NonStatic | Min | -1201.947 | -299.163 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.51989 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 1.03978 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE | NonStatic | Min | -970.402 | -426.030 | 0.000 | 0.0000 |
| 39 | 0.51989 | SLE | NonStatic | Min | -967.618 | -410.684 | 0.000 | 0.0000 |
| 39 | 1.03978 | SLE | NonStatic | Min | -964.835 | -395.337 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1054.225 | -473.963 | 0.000 | 0.0000 |
| 39 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Min | -1051.353 | -458.126 | 0.000 | 0.0000 |
| 39 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Min | -1048.481 | -442.288 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.51989 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 39 | 1.03978 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1019.125 | -435.818 | 0.000 | 0.0000 |
| 39 | 0.51989 | SLE_SISMA_UP | NonStatic | Min | -1016.498 | -421.331 | 0.000 | 0.0000 |
| 39 | 1.03978 | SLE_SISMA_UP | NonStatic | Min | -1013.870 | -406.845 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1301.920 | -518.554 | 0.000 | 0.0000 |
| 39 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Min | -1298.914 | -501.980 | 0.000 | 0.0000 |
| 39 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Min | -1295.908 | -485.406 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.51989 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 1.03978 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 39 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1228.466 | -434.891 | 0.000 | 0.0000 |
| 39 | 0.51989 | SLU_SISMA_UP | NonStatic | Min | -1225.906 | -420.773 | 0.000 | 0.0000 |
| 39 | 1.03978 | SLU_SISMA_UP | NonStatic | Min | -1223.345 | -406.654 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.51989 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 1.03978 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE | NonStatic | Min | -1000.255 | -589.249 | 0.000 | 0.0000 |
| 40 | 0.51989 | SLE | NonStatic | Min | -996.378 | -574.142 | 0.000 | 0.0000 |
| 40 | 1.03978 | SLE | NonStatic | Min | -992.502 | -559.035 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1086.887 | -623.968 | 0.000 | 0.0000 |
| 40 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Min | -1082.886 | -608.378 | 0.000 | 0.0000 |
| 40 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Min | -1078.885 | -592.787 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.51989 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 1.03978 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1049.100 | -571.079 | 0.000 | 0.0000 |
| 40 | 0.51989 | SLE_SISMA_UP | NonStatic | Min | -1045.441 | -556.818 | 0.000 | 0.0000 |
| 40 | 1.03978 | SLE_SISMA_UP | NonStatic | Min | -1041.781 | -542.556 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 40 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1336.630 | -643.301 | 0.000 | 0.0000 |
| 40 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Min | -1332.443 | -626.986 | 0.000 | 0.0000 |
| 40 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Min | -1328.257 | -610.670 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.51989 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 1.03978 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 40 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1257.116 | -528.845 | 0.000 | 0.0000 |
| 40 | 0.51989 | SLU_SISMA_UP | NonStatic | Min | -1253.550 | -514.946 | 0.000 | 0.0000 |
| 40 | 1.03978 | SLU_SISMA_UP | NonStatic | Min | -1249.983 | -501.048 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.51989 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 1.03978 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE | NonStatic | Min | -1039.623 | -750.840 | 0.000 | 0.0000 |
| 41 | 0.51989 | SLE | NonStatic | Min | -1034.673 | -736.049 | 0.000 | 0.0000 |
| 41 | 1.03978 | SLE | NonStatic | Min | -1029.724 | -721.259 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1127.852 | -766.996 | 0.000 | 0.0000 |
| 41 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Min | -1122.744 | -751.732 | 0.000 | 0.0000 |
| 41 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Min | -1117.636 | -736.469 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.51989 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 1.03978 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1086.512 | -699.410 | 0.000 | 0.0000 |
| 41 | 0.51989 | SLE_SISMA_UP | NonStatic | Min | -1081.839 | -685.448 | 0.000 | 0.0000 |
| 41 | 1.03978 | SLE_SISMA_UP | NonStatic | Min | -1077.167 | -671.486 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1377.458 | -753.588 | 0.000 | 0.0000 |
| 41 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Min | -1372.112 | -737.614 | 0.000 | 0.0000 |
| 41 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Min | -1366.766 | -721.641 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 41 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.51989 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 1.03978 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 41 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1290.029 | -608.688 | 0.000 | 0.0000 |
| 41 | 0.51989 | SLU_SISMA_UP | NonStatic | Min | -1285.475 | -595.081 | 0.000 | 0.0000 |
| 41 | 1.03978 | SLU_SISMA_UP | NonStatic | Min | -1280.921 | -581.474 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.51989 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 1.03978 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE | NonStatic | Min | -1088.383 | -909.321 | 0.000 | 0.0000 |
| 42 | 0.51989 | SLE | NonStatic | Min | -1082.385 | -894.924 | 0.000 | 0.0000 |
| 42 | 1.03978 | SLE | NonStatic | Min | -1076.388 | -880.526 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -1176.615 | -901.546 | 0.000 | 0.0000 |
| 42 | 0.51989 | SLE_SISMA_DOWN | NonStatic | Min | -1170.425 | -886.688 | 0.000 | 0.0000 |
| 42 | 1.03978 | SLE_SISMA_DOWN | NonStatic | Min | -1164.236 | -871.830 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.51989 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 1.03978 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -1130.856 | -819.424 | 0.000 | 0.0000 |
| 42 | 0.51989 | SLE_SISMA_UP | NonStatic | Min | -1125.194 | -805.833 | 0.000 | 0.0000 |
| 42 | 1.03978 | SLE_SISMA_UP | NonStatic | Min | -1119.532 | -792.242 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -1423.358 | -847.894 | 0.000 | 0.0000 |
| 42 | 0.51989 | SLU_SISMA_DOWN | NonStatic | Min | -1416.881 | -832.345 | 0.000 | 0.0000 |
| 42 | 1.03978 | SLU_SISMA_DOWN | NonStatic | Min | -1410.404 | -816.796 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.51989 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 1.03978 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 42 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -1326.186 | -673.142 | 0.000 | 0.0000 |
| 42 | 0.51989 | SLU_SISMA_UP | NonStatic | Min | -1320.668 | -659.897 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 42 | 1.03978 | SLU_SISMA_UP | NonStatic | Min | -1315.150 | -646.651 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE | NonStatic | Max | 1764.839 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.41277 | SLE | NonStatic | Max | 1764.839 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.82553 | SLE | NonStatic | Max | 1764.839 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE | NonStatic | Min | 0.000 | -154.775 | 0.000 | 0.0000 |
| 43 | 0.41277 | SLE | NonStatic | Min | 0.000 | -142.392 | 0.000 | 0.0000 |
| 43 | 0.82553 | SLE | NonStatic | Min | 0.000 | -130.009 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 1822.079 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.41277 | SLE_SISMA_DOWN | NonStatic | Max | 1822.079 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.82553 | SLE_SISMA_DOWN | NonStatic | Max | 1822.079 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | -89.905 | 0.000 | 0.0000 |
| 43 | 0.41277 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | -77.125 | 0.000 | 0.0000 |
| 43 | 0.82553 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | -64.346 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 1652.563 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.41277 | SLE_SISMA_UP | NonStatic | Max | 1652.563 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.82553 | SLE_SISMA_UP | NonStatic | Max | 1652.563 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | 0.000 | -78.882 | 0.000 | 0.0000 |
| 43 | 0.41277 | SLE_SISMA_UP | NonStatic | Min | 0.000 | -67.192 | 0.000 | 0.0000 |
| 43 | 0.82553 | SLE_SISMA_UP | NonStatic | Min | 0.000 | -55.503 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 1772.397 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.41277 | SLU_SISMA_DOWN | NonStatic | Max | 1772.397 | 4.973 | 0.000 | 0.0000 |
| 43 | 0.82553 | SLU_SISMA_DOWN | NonStatic | Max | 1772.397 | 18.347 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | -8.401 | 0.000 | 0.0000 |
| 43 | 0.41277 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.82553 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 1404.334 | 11.343 | 0.000 | 0.0000 |
| 43 | 0.41277 | SLU_SISMA_UP | NonStatic | Max | 1404.334 | 22.735 | 0.000 | 0.0000 |
| 43 | 0.82553 | SLU_SISMA_UP | NonStatic | Max | 1404.334 | 34.127 | 0.000 | 0.0000 |
| 43 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.41277 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 0.82553 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE | NonStatic | Max | 1764.839 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.41277 | SLE | NonStatic | Max | 1764.839 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.82553 | SLE | NonStatic | Max | 1764.839 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE | NonStatic | Min | 0.000 | -359.291 | 0.000 | 0.0000 |
| 44 | 0.41277 | SLE | NonStatic | Min | 0.000 | -346.908 | 0.000 | 0.0000 |
| 44 | 0.82553 | SLE | NonStatic | Min | 0.000 | -334.525 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 1822.079 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 44 | 0.41277 | SLE_SISMA_DOWN | NonStatic | Max | 1822.079 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.82553 | SLE_SISMA_DOWN | NonStatic | Max | 1822.079 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | -288.960 | 0.000 | 0.0000 |
| 44 | 0.41277 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | -276.181 | 0.000 | 0.0000 |
| 44 | 0.82553 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | -263.402 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 1652.563 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.41277 | SLE_SISMA_UP | NonStatic | Max | 1652.563 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.82553 | SLE_SISMA_UP | NonStatic | Max | 1652.563 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | 0.000 | -262.634 | 0.000 | 0.0000 |
| 44 | 0.41277 | SLE_SISMA_UP | NonStatic | Min | 0.000 | -250.945 | 0.000 | 0.0000 |
| 44 | 0.82553 | SLE_SISMA_UP | NonStatic | Min | 0.000 | -239.255 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 1772.397 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.41277 | SLU_SISMA_DOWN | NonStatic | Max | 1772.397 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.82553 | SLU_SISMA_DOWN | NonStatic | Max | 1772.397 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | -200.846 | 0.000 | 0.0000 |
| 44 | 0.41277 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | -187.473 | 0.000 | 0.0000 |
| 44 | 0.82553 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | -174.099 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 1404.334 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.41277 | SLU_SISMA_UP | NonStatic | Max | 1404.334 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.82553 | SLU_SISMA_UP | NonStatic | Max | 1404.334 | 0.000 | 0.000 | 0.0000 |
| 44 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | 0.000 | -148.373 | 0.000 | 0.0000 |
| 44 | 0.41277 | SLU_SISMA_UP | NonStatic | Min | 0.000 | -136.981 | 0.000 | 0.0000 |
| 44 | 0.82553 | SLU_SISMA_UP | NonStatic | Min | 0.000 | -125.588 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.93834 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.87669 | SLE | NonStatic | Max | 0.000 | 24.766 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLE | NonStatic | Min | -2679.047 | -24.766 | 0.000 | 0.0000 |
| 45 | 0.93834 | SLE | NonStatic | Min | -2692.429 | -1.332E-14 | 0.000 | 0.0000 |
| 45 | 1.87669 | SLE | NonStatic | Min | -2705.812 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.93834 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 8.882E-15 | 0.000 | 0.0000 |
| 45 | 1.87669 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 25.559 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -2844.181 | -25.559 | 0.000 | 0.0000 |
| 45 | 0.93834 | SLE_SISMA_DOWN | NonStatic | Min | -2857.991 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.87669 | SLE_SISMA_DOWN | NonStatic | Min | -2871.801 | 0.000 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 45 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.93834 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.87669 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 23.379 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -2645.032 | -23.379 | 0.000 | 0.0000 |
| 45 | 0.93834 | SLE_SISMA_UP | NonStatic | Min | -2657.665 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.87669 | SLE_SISMA_UP | NonStatic | Min | -2670.297 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.93834 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.87669 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 26.747 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -3075.288 | -26.747 | 0.000 | 0.0000 |
| 45 | 0.93834 | SLU_SISMA_DOWN | NonStatic | Min | -3089.740 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.87669 | SLU_SISMA_DOWN | NonStatic | Min | -3104.193 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 0.93834 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.87669 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 22.785 | 0.000 | 0.0000 |
| 45 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -2642.572 | -22.785 | 0.000 | 0.0000 |
| 45 | 0.93834 | SLU_SISMA_UP | NonStatic | Min | -2654.884 | 0.000 | 0.000 | 0.0000 |
| 45 | 1.87669 | SLU_SISMA_UP | NonStatic | Min | -2667.196 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.93833 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.87665 | SLE | NonStatic | Max | 0.000 | 24.765 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE | NonStatic | Min | -2679.039 | -24.765 | 0.000 | 0.0000 |
| 46 | 0.93833 | SLE | NonStatic | Min | -2692.422 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.87665 | SLE | NonStatic | Min | -2705.804 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.93833 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 4.441E-15 | 0.000 | 0.0000 |
| 46 | 1.87665 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 25.558 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE_SISMA_DOWN | NonStatic | Min | -2686.904 | -25.558 | 0.000 | 0.0000 |
| 46 | 0.93833 | SLE_SISMA_DOWN | NonStatic | Min | -2700.714 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.87665 | SLE_SISMA_DOWN | NonStatic | Min | -2714.525 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.93833 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.87665 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 23.379 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLE_SISMA_UP | NonStatic | Min | -2488.447 | -23.379 | 0.000 | 0.0000 |
| 46 | 0.93833 | SLE_SISMA_UP | NonStatic | Min | -2501.080 | -4.441E-15 | 0.000 | 0.0000 |

**Table: Element Forces - Frames, Part 1 of 2**

| Frame | Station | OutputCase | CaseType | StepType | P | V2 | V3 | T |
|---|---|---|---|---|---|---|---|---|
| | m | | | | KN | KN | KN | KN-m |
| 46 | 1.87665 | SLE_SISMA_UP | NonStatic | Min | -2513.712 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.93833 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.87665 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 26.747 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLU_SISMA_DOWN | NonStatic | Min | -2741.095 | -26.747 | 0.000 | 0.0000 |
| 46 | 0.93833 | SLU_SISMA_DOWN | NonStatic | Min | -2755.548 | -4.441E-15 | 0.000 | 0.0000 |
| 46 | 1.87665 | SLU_SISMA_DOWN | NonStatic | Min | -2770.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 0.93833 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 1.87665 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 22.784 | 0.000 | 0.0000 |
| 46 | 0.00000 | SLU_SISMA_UP | NonStatic | Min | -2326.339 | -22.784 | 0.000 | 0.0000 |
| 46 | 0.93833 | SLU_SISMA_UP | NonStatic | Min | -2338.650 | -4.441E-15 | 0.000 | 0.0000 |
| 46 | 1.87665 | SLU_SISMA_UP | NonStatic | Min | -2350.962 | 0.000 | 0.000 | 0.0000 |

## Table: Element Forces - Frames, Part 2 of 2

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 1 | 0.00000 | SLE | Max | 0.0000 | 1711.8122 | 1-1 | 0.00000 |
| 1 | 0.44607 | SLE | Max | 0.0000 | 2513.2127 | 1-1 | 0.44607 |
| 1 | 0.89215 | SLE | Max | 0.0000 | 3340.9678 | 1-1 | 0.89215 |
| 1 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 1-1 | 0.00000 |
| 1 | 0.44607 | SLE | Min | 0.0000 | 0.0000 | 1-1 | 0.44607 |
| 1 | 0.89215 | SLE | Min | 0.0000 | 0.0000 | 1-1 | 0.89215 |
| 1 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 1784.7147 | 1-1 | 0.00000 |
| 1 | 0.44607 | SLE_SISMA_DOWN | Max | 0.0000 | 2611.9032 | 1-1 | 0.44607 |
| 1 | 0.89215 | SLE_SISMA_DOWN | Max | 0.0000 | 3467.9076 | 1-1 | 0.89215 |
| 1 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 0.00000 |
| 1 | 0.44607 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 0.44607 |
| 1 | 0.89215 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 0.89215 |
| 1 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 1641.9263 | 1-1 | 0.00000 |
| 1 | 0.44607 | SLE_SISMA_UP | Max | 0.0000 | 2393.4982 | 1-1 | 0.44607 |
| 1 | 0.89215 | SLE_SISMA_UP | Max | 0.0000 | 3173.8860 | 1-1 | 0.89215 |
| 1 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 0.00000 |
| 1 | 0.44607 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 0.44607 |
| 1 | 0.89215 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 0.89215 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 1 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 1835.1803 | 1-1 | 0.00000 |
| 1 | 0.44607 | SLU_SISMA_DOWN | Max | 0.0000 | 2644.6612 | 1-1 | 0.44607 |
| 1 | 0.89215 | SLU_SISMA_DOWN | Max | 0.0000 | 3491.8666 | 1-1 | 0.89215 |
| 1 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 0.00000 |
| 1 | 0.44607 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 0.44607 |
| 1 | 0.89215 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 | 0.89215 |
| 1 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 1525.6162 | 1-1 | 0.00000 |
| 1 | 0.44607 | SLU_SISMA_UP | Max | 0.0000 | 2170.9141 | 1-1 | 0.44607 |
| 1 | 0.89215 | SLU_SISMA_UP | Max | 0.0000 | 2853.9365 | 1-1 | 0.89215 |
| 1 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 0.00000 |
| 1 | 0.44607 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 0.44607 |
| 1 | 0.89215 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 | 0.89215 |
| 2 | 0.00000 | SLE | Max | 0.0000 | 3340.9678 | 2-1 | 0.00000 |
| 2 | 0.44749 | SLE | Max | 0.0000 | 3139.6900 | 2-1 | 0.44749 |
| 2 | 0.89498 | SLE | Max | 0.0000 | 2963.4142 | 2-1 | 0.89498 |
| 2 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 2-1 | 0.00000 |
| 2 | 0.44749 | SLE | Min | 0.0000 | 0.0000 | 2-1 | 0.44749 |
| 2 | 0.89498 | SLE | Min | 0.0000 | 0.0000 | 2-1 | 0.89498 |
| 2 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 3467.9076 | 2-1 | 0.00000 |
| 2 | 0.44749 | SLE_SISMA_DOWN | Max | 0.0000 | 3229.6570 | 2-1 | 0.44749 |
| 2 | 0.89498 | SLE_SISMA_DOWN | Max | 0.0000 | 3018.8855 | 2-1 | 0.89498 |
| 2 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.00000 |
| 2 | 0.44749 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.44749 |
| 2 | 0.89498 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.89498 |
| 2 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 3173.8860 | 2-1 | 0.00000 |
| 2 | 0.44749 | SLE_SISMA_UP | Max | 0.0000 | 2938.6455 | 2-1 | 0.44749 |
| 2 | 0.89498 | SLE_SISMA_UP | Max | 0.0000 | 2730.8841 | 2-1 | 0.89498 |
| 2 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.00000 |
| 2 | 0.44749 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.44749 |
| 2 | 0.89498 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.89498 |
| 2 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 3491.8666 | 2-1 | 0.00000 |
| 2 | 0.44749 | SLU_SISMA_DOWN | Max | 0.0000 | 3162.3512 | 2-1 | 0.44749 |
| 2 | 0.89498 | SLU_SISMA_DOWN | Max | 0.0000 | 2868.9774 | 2-1 | 0.89498 |
| 2 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.00000 |
| 2 | 0.44749 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.44749 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 2 | 0.89498 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 | 0.89498 |
| 2 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 2853.9365 | 2-1 | 0.00000 |
| 2 | 0.44749 | SLU_SISMA_UP | Max | 0.0000 | 2530.9160 | 2-1 | 0.44749 |
| 2 | 0.89498 | SLU_SISMA_UP | Max | 0.0000 | 2244.0372 | 2-1 | 0.89498 |
| 2 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.00000 |
| 2 | 0.44749 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.44749 |
| 2 | 0.89498 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 | 0.89498 |
| 3 | 0.00000 | SLE | Max | 0.0000 | 2963.4142 | 3-1 | 0.00000 |
| 3 | 0.44749 | SLE | Max | 0.0000 | 2814.4156 | 3-1 | 0.44749 |
| 3 | 0.89498 | SLE | Max | 0.0000 | 2688.8820 | 3-1 | 0.89498 |
| 3 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 3-1 | 0.00000 |
| 3 | 0.44749 | SLE | Min | 0.0000 | 0.0000 | 3-1 | 0.44749 |
| 3 | 0.89498 | SLE | Min | 0.0000 | 0.0000 | 3-1 | 0.89498 |
| 3 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 3018.8855 | 3-1 | 0.00000 |
| 3 | 0.44749 | SLE_SISMA_DOWN | Max | 0.0000 | 2834.8246 | 3-1 | 0.44749 |
| 3 | 0.89498 | SLE_SISMA_DOWN | Max | 0.0000 | 2676.7058 | 3-1 | 0.89498 |
| 3 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.00000 |
| 3 | 0.44749 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.44749 |
| 3 | 0.89498 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.89498 |
| 3 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 2730.8841 | 3-1 | 0.00000 |
| 3 | 0.44749 | SLE_SISMA_UP | Max | 0.0000 | 2549.8334 | 3-1 | 0.44749 |
| 3 | 0.89498 | SLE_SISMA_UP | Max | 0.0000 | 2394.7247 | 3-1 | 0.89498 |
| 3 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.00000 |
| 3 | 0.44749 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.44749 |
| 3 | 0.89498 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.89498 |
| 3 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 2868.9774 | 3-1 | 0.00000 |
| 3 | 0.44749 | SLU_SISMA_DOWN | Max | 0.0000 | 2610.8239 | 3-1 | 0.44749 |
| 3 | 0.89498 | SLU_SISMA_DOWN | Max | 0.0000 | 2386.9691 | 3-1 | 0.89498 |
| 3 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.00000 |
| 3 | 0.44749 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.44749 |
| 3 | 0.89498 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 | 0.89498 |
| 3 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 2244.0372 | 3-1 | 0.00000 |
| 3 | 0.44749 | SLU_SISMA_UP | Max | 0.0000 | 1992.3786 | 3-1 | 0.44749 |
| 3 | 0.89498 | SLU_SISMA_UP | Max | 0.0000 | 1775.0188 | 3-1 | 0.89498 |
| 3 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 3 | 0.44749 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.44749 |
| 3 | 0.89498 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 | 0.89498 |
| 4 | 0.00000 | SLE | Max | 0.0000 | 2688.8820 | 4-1 | 0.00000 |
| 4 | 0.44749 | SLE | Max | 0.0000 | 2589.3772 | 4-1 | 0.44749 |
| 4 | 0.89498 | SLE | Max | 0.0000 | 2511.8175 | 4-1 | 0.89498 |
| 4 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 4-1 | 0.00000 |
| 4 | 0.44749 | SLE | Min | 0.0000 | 0.0000 | 4-1 | 0.44749 |
| 4 | 0.89498 | SLE | Min | 0.0000 | 0.0000 | 4-1 | 0.89498 |
| 4 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 2676.7058 | 4-1 | 0.00000 |
| 4 | 0.44749 | SLE_SISMA_DOWN | Max | 0.0000 | 2543.7692 | 4-1 | 0.44749 |
| 4 | 0.89498 | SLE_SISMA_DOWN | Max | 0.0000 | 2435.2547 | 4-1 | 0.89498 |
| 4 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.00000 |
| 4 | 0.44749 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.44749 |
| 4 | 0.89498 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.89498 |
| 4 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 2394.7247 | 4-1 | 0.00000 |
| 4 | 0.44749 | SLE_SISMA_UP | Max | 0.0000 | 2264.7982 | 4-1 | 0.44749 |
| 4 | 0.89498 | SLE_SISMA_UP | Max | 0.0000 | 2159.2939 | 4-1 | 0.89498 |
| 4 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.00000 |
| 4 | 0.44749 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.44749 |
| 4 | 0.89498 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.89498 |
| 4 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 2386.9691 | 4-1 | 0.00000 |
| 4 | 0.44749 | SLU_SISMA_DOWN | Max | 0.0000 | 2196.5019 | 4-1 | 0.44749 |
| 4 | 0.89498 | SLU_SISMA_DOWN | Max | 0.0000 | 2038.5111 | 4-1 | 0.89498 |
| 4 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.00000 |
| 4 | 0.44749 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.44749 |
| 4 | 0.89498 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 | 0.89498 |
| 4 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 1775.0188 | 4-1 | 0.00000 |
| 4 | 0.44749 | SLU_SISMA_UP | Max | 0.0000 | 1591.0465 | 4-1 | 0.44749 |
| 4 | 0.89498 | SLU_SISMA_UP | Max | 0.0000 | 1439.5506 | 4-1 | 0.89498 |
| 4 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.00000 |
| 4 | 0.44749 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.44749 |
| 4 | 0.89498 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 | 0.89498 |
| 5 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 5-1 | 0.00000 |
| 5 | 0.59160 | SLE | Max | 0.0000 | 0.0000 | 5-1 | 0.59160 |
| 5 | 1.18320 | SLE | Max | 0.0000 | 0.0000 | 5-1 | 1.18320 |
| 5 | 0.00000 | SLE | Min | 0.0000 | -2511.8175 | 5-1 | 0.00000 |
| 5 | 0.59160 | SLE | Min | 0.0000 | -2369.9872 | 5-1 | 0.59160 |
| 5 | 1.18320 | SLE | Min | 0.0000 | -2265.0680 | 5-1 | 1.18320 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 5 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 0.00000 |
| 5 | 0.59160 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 0.59160 |
| 5 | 1.18320 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 1.18320 |
| 5 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -2435.2547 | 5-1 | 0.00000 |
| 5 | 0.59160 | SLE_SISMA_DOWN | Min | 0.0000 | -2254.3350 | 5-1 | 0.59160 |
| 5 | 1.18320 | SLE_SISMA_DOWN | Min | 0.0000 | -2114.6868 | 5-1 | 1.18320 |
| 5 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 0.00000 |
| 5 | 0.59160 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 0.59160 |
| 5 | 1.18320 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 1.18320 |
| 5 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -2159.2939 | 5-1 | 0.00000 |
| 5 | 0.59160 | SLE_SISMA_UP | Min | 0.0000 | -1987.6573 | 5-1 | 0.59160 |
| 5 | 1.18320 | SLE_SISMA_UP | Min | 0.0000 | -1857.1381 | 5-1 | 1.18320 |
| 5 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 0.00000 |
| 5 | 0.59160 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 0.59160 |
| 5 | 1.18320 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 | 1.18320 |
| 5 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -2038.5111 | 5-1 | 0.00000 |
| 5 | 0.59160 | SLU_SISMA_DOWN | Min | 0.0000 | -1804.1264 | 5-1 | 0.59160 |
| 5 | 1.18320 | SLU_SISMA_DOWN | Min | 0.0000 | -1624.4702 | 5-1 | 1.18320 |
| 5 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 0.00000 |
| 5 | 0.59160 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 0.59160 |
| 5 | 1.18320 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 | 1.18320 |
| 5 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1439.5506 | 5-1 | 0.00000 |
| 5 | 0.59160 | SLU_SISMA_UP | Min | 0.0000 | -1225.3894 | 5-1 | 0.59160 |
| 5 | 1.18320 | SLU_SISMA_UP | Min | 0.0000 | -1065.6513 | 5-1 | 1.18320 |
| 6 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 6-1 | 0.00000 |
| 6 | 0.59160 | SLE | Max | 0.0000 | 0.0000 | 6-1 | 0.59160 |
| 6 | 1.18320 | SLE | Max | 0.0000 | 0.0000 | 6-1 | 1.18320 |
| 6 | 0.00000 | SLE | Min | 0.0000 | -2265.0680 | 6-1 | 0.00000 |
| 6 | 0.59160 | SLE | Min | 0.0000 | -2058.3543 | 6-1 | 0.59160 |
| 6 | 1.18320 | SLE | Min | 0.0000 | -1890.5385 | 6-1 | 1.18320 |
| 6 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 0.00000 |
| 6 | 0.59160 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 0.59160 |
| 6 | 1.18320 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 1.18320 |
| 6 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -2114.6868 | 6-1 | 0.00000 |
| 6 | 0.59160 | SLE_SISMA_DOWN | Min | 0.0000 | -1879.0131 | 6-1 | 0.59160 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 6 | 1.18320 | SLE_SISMA_DOWN | Min | 0.0000 | -1686.5914 | 6-1 | 1.18320 |
| 6 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 0.00000 |
| 6 | 0.59160 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 0.59160 |
| 6 | 1.18320 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 1.18320 |
| 6 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1857.1381 | 6-1 | 0.00000 |
| 6 | 0.59160 | SLE_SISMA_UP | Min | 0.0000 | -1640.1006 | 6-1 | 0.59160 |
| 6 | 1.18320 | SLE_SISMA_UP | Min | 0.0000 | -1465.6248 | 6-1 | 1.18320 |
| 6 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 0.00000 |
| 6 | 0.59160 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 0.59160 |
| 6 | 1.18320 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 | 1.18320 |
| 6 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1624.4702 | 6-1 | 0.00000 |
| 6 | 0.59160 | SLU_SISMA_DOWN | Min | 0.0000 | -1362.3828 | 6-1 | 0.59160 |
| 6 | 1.18320 | SLU_SISMA_DOWN | Min | 0.0000 | -1155.9646 | 6-1 | 1.18320 |
| 6 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 0.00000 |
| 6 | 0.59160 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 0.59160 |
| 6 | 1.18320 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 | 1.18320 |
| 6 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1065.6513 | 6-1 | 0.00000 |
| 6 | 0.59160 | SLU_SISMA_UP | Min | 0.0000 | -844.4861 | 6-1 | 0.59160 |
| 6 | 1.18320 | SLU_SISMA_UP | Min | 0.0000 | -677.5361 | 6-1 | 1.18320 |
| 7 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 7-1 | 0.00000 |
| 7 | 0.59160 | SLE | Max | 0.0000 | 0.0000 | 7-1 | 0.59160 |
| 7 | 1.18320 | SLE | Max | 0.0000 | 0.0000 | 7-1 | 1.18320 |
| 7 | 0.00000 | SLE | Min | 0.0000 | -1890.5385 | 7-1 | 0.00000 |
| 7 | 0.59160 | SLE | Min | 0.0000 | -1638.6772 | 7-1 | 0.59160 |
| 7 | 1.18320 | SLE | Min | 0.0000 | -1430.2420 | 7-1 | 1.18320 |
| 7 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 0.00000 |
| 7 | 0.59160 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 0.59160 |
| 7 | 1.18320 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 1.18320 |
| 7 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1686.5914 | 7-1 | 0.00000 |
| 7 | 0.59160 | SLE_SISMA_DOWN | Min | 0.0000 | -1416.6194 | 7-1 | 0.59160 |
| 7 | 1.18320 | SLE_SISMA_DOWN | Min | 0.0000 | -1194.3209 | 7-1 | 1.18320 |
| 7 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 0.00000 |
| 7 | 0.59160 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 0.59160 |
| 7 | 1.18320 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 1.18320 |
| 7 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1465.6248 | 7-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 7 | 0.59160 | SLE_SISMA_UP | Min | 0.0000 | -1221.0366 | 7-1 | 0.59160 |
| 7 | 1.18320 | SLE_SISMA_UP | Min | 0.0000 | -1022.6489 | 7-1 | 1.18320 |
| 7 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 0.00000 |
| 7 | 0.59160 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 0.59160 |
| 7 | 1.18320 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 | 1.18320 |
| 7 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1155.9646 | 7-1 | 0.00000 |
| 7 | 0.59160 | SLU_SISMA_DOWN | Min | 0.0000 | -884.4943 | 7-1 | 0.59160 |
| 7 | 1.18320 | SLU_SISMA_DOWN | Min | 0.0000 | -671.7476 | 7-1 | 1.18320 |
| 7 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 0.00000 |
| 7 | 0.59160 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 0.59160 |
| 7 | 1.18320 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 | 1.18320 |
| 7 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -677.5361 | 7-1 | 0.00000 |
| 7 | 0.59160 | SLU_SISMA_UP | Min | 0.0000 | -462.0975 | 7-1 | 0.59160 |
| 7 | 1.18320 | SLU_SISMA_UP | Min | 0.0000 | -302.2281 | 7-1 | 1.18320 |
| 8 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 8-1 | 0.00000 |
| 8 | 0.59164 | SLE | Max | 0.0000 | 0.0000 | 8-1 | 0.59164 |
| 8 | 1.18328 | SLE | Max | 0.0000 | 0.0000 | 8-1 | 1.18328 |
| 8 | 0.00000 | SLE | Min | 0.0000 | -1430.2420 | 8-1 | 0.00000 |
| 8 | 0.59164 | SLE | Min | 0.0000 | -1160.8506 | 8-1 | 0.59164 |
| 8 | 1.18328 | SLE | Min | 0.0000 | -938.1872 | 8-1 | 1.18328 |
| 8 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 0.00000 |
| 8 | 0.59164 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 0.59164 |
| 8 | 1.18328 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 1.18328 |
| 8 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1194.3209 | 8-1 | 0.00000 |
| 8 | 0.59164 | SLE_SISMA_DOWN | Min | 0.0000 | -917.7554 | 8-1 | 0.59164 |
| 8 | 1.18328 | SLE_SISMA_DOWN | Min | 0.0000 | -691.8630 | 8-1 | 1.18328 |
| 8 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 | 0.00000 |
| 8 | 0.59164 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 | 0.59164 |
| 8 | 1.18328 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 | 1.18328 |
| 8 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1022.6489 | 8-1 | 0.00000 |
| 8 | 0.59164 | SLE_SISMA_UP | Min | 0.0000 | -774.8015 | 8-1 | 0.59164 |
| 8 | 1.18328 | SLE_SISMA_UP | Min | 0.0000 | -575.4935 | 8-1 | 1.18328 |
| 8 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 0.00000 |
| 8 | 0.59164 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 0.59164 |
| 8 | 1.18328 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 | 1.18328 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 8 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -671.7476 | 8-1 | 0.00000 |
| 8 | 0.59164 | SLU_SISMA_DOWN | Min | 0.0000 | -414.8600 | 8-1 | 0.59164 |
| 8 | 1.18328 | SLU_SISMA_DOWN | Min | 0.0000 | -218.0313 | 8-1 | 1.18328 |
| 8 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 | 0.00000 |
| 8 | 0.59164 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 | 0.59164 |
| 8 | 1.18328 | SLU_SISMA_UP | Max | 0.0000 | 28.7051 | 8-1 | 1.18328 |
| 8 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -302.2281 | 8-1 | 0.00000 |
| 8 | 0.59164 | SLU_SISMA_UP | Min | 0.0000 | -109.0638 | 8-1 | 0.59164 |
| 8 | 1.18328 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 8-1 | 1.18328 |
| 9 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 9-1 | 0.00000 |
| 9 | 0.59173 | SLE | Max | 0.0000 | 0.0000 | 9-1 | 0.59173 |
| 9 | 1.18346 | SLE | Max | 0.0000 | 0.0000 | 9-1 | 1.18346 |
| 9 | 0.00000 | SLE | Min | 0.0000 | -938.1872 | 9-1 | 0.00000 |
| 9 | 0.59173 | SLE | Min | 0.0000 | -678.6463 | 9-1 | 0.59173 |
| 9 | 1.18346 | SLE | Min | 0.0000 | -465.4619 | 9-1 | 1.18346 |
| 9 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 | 0.00000 |
| 9 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 | 0.59173 |
| 9 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 | 1.18346 |
| 9 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -691.8630 | 9-1 | 0.00000 |
| 9 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | -435.1311 | 9-1 | 0.59173 |
| 9 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | -228.2147 | 9-1 | 1.18346 |
| 9 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 9-1 | 0.00000 |
| 9 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 9-1 | 0.59173 |
| 9 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 9-1 | 1.18346 |
| 9 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -575.4935 | 9-1 | 0.00000 |
| 9 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | -347.6133 | 9-1 | 0.59173 |
| 9 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | -167.1207 | 9-1 | 1.18346 |
| 9 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 | 0.00000 |
| 9 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 2.8404 | 9-1 | 0.59173 |
| 9 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 166.2897 | 9-1 | 1.18346 |
| 9 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -218.0313 | 9-1 | 0.00000 |
| 9 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 9-1 | 0.59173 |
| 9 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 9-1 | 1.18346 |
| 9 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 28.7051 | 9-1 | 0.00000 |
| 9 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 185.4040 | 9-1 | 0.59173 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 9 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 290.1354 | 9-1 | 1.18346 |
| 9 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 9-1 | 0.00000 |
| 9 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 9-1 | 0.59173 |
| 9 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 9-1 | 1.18346 |
| 10 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 10-1 | 0.00000 |
| 10 | 0.59173 | SLE | Max | 0.0000 | 0.0000 | 10-1 | 0.59173 |
| 10 | 1.18346 | SLE | Max | 0.0000 | 0.0000 | 10-1 | 1.18346 |
| 10 | 0.00000 | SLE | Min | 0.0000 | -465.4619 | 10-1 | 0.00000 |
| 10 | 0.59173 | SLE | Min | 0.0000 | -230.1377 | 10-1 | 0.59173 |
| 10 | 1.18346 | SLE | Min | 0.0000 | -40.7369 | 10-1 | 1.18346 |
| 10 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 10-1 | 0.00000 |
| 10 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 10-1 | 0.59173 |
| 10 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 170.8572 | 10-1 | 1.18346 |
| 10 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -228.2147 | 10-1 | 0.00000 |
| 10 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | -4.2493 | 10-1 | 0.59173 |
| 10 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 | 1.18346 |
| 10 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 10-1 | 0.00000 |
| 10 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 29.9609 | 10-1 | 0.59173 |
| 10 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 180.8499 | 10-1 | 1.18346 |
| 10 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -167.1207 | 10-1 | 0.00000 |
| 10 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 0.59173 |
| 10 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 1.18346 |
| 10 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 166.2897 | 10-1 | 0.00000 |
| 10 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 343.6883 | 10-1 | 0.59173 |
| 10 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 466.2682 | 10-1 | 1.18346 |
| 10 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 | 0.00000 |
| 10 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 | 0.59173 |
| 10 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 | 1.18346 |
| 10 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 290.1354 | 10-1 | 0.00000 |
| 10 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 407.8606 | 10-1 | 0.59173 |
| 10 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 476.8519 | 10-1 | 1.18346 |
| 10 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 0.00000 |
| 10 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 0.59173 |
| 10 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 | 1.18346 |
| 11 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 11-1 | 0.00000 |
| 11 | 0.59173 | SLE | Max | 0.0000 | 159.9042 | 11-1 | 0.59173 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 11 | 1.18346 | SLE | Max | 0.0000 | 314.6058 | 11-1 | 1.18346 |
| 11 | 0.00000 | SLE | Min | 0.0000 | -40.7369 | 11-1 | 0.00000 |
| 11 | 0.59173 | SLE | Min | 0.0000 | 0.0000 | 11-1 | 0.59173 |
| 11 | 1.18346 | SLE | Min | 0.0000 | 0.0000 | 11-1 | 1.18346 |
| 11 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 170.8572 | 11-1 | 0.00000 |
| 11 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 353.2576 | 11-1 | 0.59173 |
| 11 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 487.2853 | 11-1 | 1.18346 |
| 11 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 0.00000 |
| 11 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 0.59173 |
| 11 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 1.18346 |
| 11 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 180.8499 | 11-1 | 0.00000 |
| 11 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 340.0349 | 11-1 | 0.59173 |
| 11 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 453.7354 | 11-1 | 1.18346 |
| 11 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 0.00000 |
| 11 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 0.59173 |
| 11 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 1.18346 |
| 11 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 466.2682 | 11-1 | 0.00000 |
| 11 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 596.7994 | 11-1 | 0.59173 |
| 11 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 674.4114 | 11-1 | 1.18346 |
| 11 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 0.00000 |
| 11 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 0.59173 |
| 11 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 | 1.18346 |
| 11 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 476.8519 | 11-1 | 0.00000 |
| 11 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 556.1971 | 11-1 | 0.59173 |
| 11 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 589.2484 | 11-1 | 1.18346 |
| 11 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 0.00000 |
| 11 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 0.59173 |
| 11 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 | 1.18346 |
| 12 | 0.00000 | SLE | Max | 0.0000 | 314.6058 | 12-1 | 0.00000 |
| 12 | 0.59173 | SLE | Max | 0.0000 | 471.3320 | 12-1 | 0.59173 |
| 12 | 1.18346 | SLE | Max | 0.0000 | 581.9274 | 12-1 | 1.18346 |
| 12 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 12-1 | 0.00000 |
| 12 | 0.59173 | SLE | Min | 0.0000 | 0.0000 | 12-1 | 0.59173 |
| 12 | 1.18346 | SLE | Min | 0.0000 | 0.0000 | 12-1 | 1.18346 |
| 12 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 487.2853 | 12-1 | 0.00000 |
| 12 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 620.6296 | 12-1 | 0.59173 |
| 12 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 705.8409 | 12-1 | 1.18346 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 12 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 0.00000 |
| 12 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 0.59173 |
| 12 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 1.18346 |
| 12 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 453.7354 | 12-1 | 0.00000 |
| 12 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 568.9759 | 12-1 | 0.59173 |
| 12 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 639.1518 | 12-1 | 1.18346 |
| 12 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 0.00000 |
| 12 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 0.59173 |
| 12 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 1.18346 |
| 12 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 674.4114 | 12-1 | 0.00000 |
| 12 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 755.4581 | 12-1 | 0.59173 |
| 12 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 784.9381 | 12-1 | 1.18346 |
| 12 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 0.00000 |
| 12 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 0.59173 |
| 12 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 | 1.18346 |
| 12 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 589.2484 | 12-1 | 0.00000 |
| 12 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 630.8981 | 12-1 | 0.59173 |
| 12 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 628.0169 | 12-1 | 1.18346 |
| 12 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 0.00000 |
| 12 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 0.59173 |
| 12 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 | 1.18346 |
| 13 | 0.00000 | SLE | Max | 0.0000 | 581.9274 | 13-1 | 0.00000 |
| 13 | 0.59173 | SLE | Max | 0.0000 | 687.8408 | 13-1 | 0.59173 |
| 13 | 1.18346 | SLE | Max | 0.0000 | 747.5958 | 13-1 | 1.18346 |
| 13 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 13-1 | 0.00000 |
| 13 | 0.59173 | SLE | Min | 0.0000 | 0.0000 | 13-1 | 0.59173 |
| 13 | 1.18346 | SLE | Min | 0.0000 | 0.0000 | 13-1 | 1.18346 |
| 13 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 705.8409 | 13-1 | 0.00000 |
| 13 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 784.8724 | 13-1 | 0.59173 |
| 13 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 816.0666 | 13-1 | 1.18346 |
| 13 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 0.00000 |
| 13 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 0.59173 |
| 13 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 1.18346 |
| 13 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 639.1518 | 13-1 | 0.00000 |
| 13 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 706.2624 | 13-1 | 0.59173 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 13 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 728.7128 | 13-1 | 1.18346 |
| 13 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 0.00000 |
| 13 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 0.59173 |
| 13 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 1.18346 |
| 13 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 784.9381 | 13-1 | 0.00000 |
| 13 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 815.2855 | 13-1 | 0.59173 |
| 13 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 795.1354 | 13-1 | 1.18346 |
| 13 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 0.00000 |
| 13 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 0.59173 |
| 13 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 | 1.18346 |
| 13 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 628.0169 | 13-1 | 0.00000 |
| 13 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 633.1554 | 13-1 | 0.59173 |
| 13 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 595.0732 | 13-1 | 1.18346 |
| 13 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 0.00000 |
| 13 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 0.59173 |
| 13 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 | 1.18346 |
| 14 | 0.00000 | SLE | Max | 0.0000 | 747.5958 | 14-1 | 0.00000 |
| 14 | 0.59173 | SLE | Max | 0.0000 | 798.6782 | 14-1 | 0.59173 |
| 14 | 1.18346 | SLE | Max | 0.0000 | 803.6715 | 14-1 | 1.18346 |
| 14 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 14-1 | 0.00000 |
| 14 | 0.59173 | SLE | Min | 0.0000 | 0.0000 | 14-1 | 0.59173 |
| 14 | 1.18346 | SLE | Min | 0.0000 | 0.0000 | 14-1 | 1.18346 |
| 14 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 816.0666 | 14-1 | 0.00000 |
| 14 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 838.1541 | 14-1 | 0.59173 |
| 14 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 812.6461 | 14-1 | 1.18346 |
| 14 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 0.00000 |
| 14 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 0.59173 |
| 14 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 1.18346 |
| 14 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 728.7128 | 14-1 | 0.00000 |
| 14 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 745.7049 | 14-1 | 0.59173 |
| 14 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 718.3251 | 14-1 | 1.18346 |
| 14 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 0.00000 |
| 14 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 0.59173 |
| 14 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 1.18346 |
| 14 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 795.1354 | 14-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 14 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 775.1303 | 14-1 | 0.59173 |
| 14 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 705.2676 | 14-1 | 1.18346 |
| 14 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 0.00000 |
| 14 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 0.59173 |
| 14 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 | 1.18346 |
| 14 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 595.0732 | 14-1 | 0.00000 |
| 14 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 565.4569 | 14-1 | 0.59173 |
| 14 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 493.3612 | 14-1 | 1.18346 |
| 14 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 0.00000 |
| 14 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 0.59173 |
| 14 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 | 1.18346 |
| 15 | 0.00000 | SLE | Max | 0.0000 | 803.6715 | 15-1 | 0.00000 |
| 15 | 0.59173 | SLE | Max | 0.0000 | 798.6800 | 15-1 | 0.59173 |
| 15 | 1.18346 | SLE | Max | 0.0000 | 747.5993 | 15-1 | 1.18346 |
| 15 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 15-1 | 0.00000 |
| 15 | 0.59173 | SLE | Min | 0.0000 | 0.0000 | 15-1 | 0.59173 |
| 15 | 1.18346 | SLE | Min | 0.0000 | 0.0000 | 15-1 | 1.18346 |
| 15 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 812.6461 | 15-1 | 0.00000 |
| 15 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 777.5727 | 15-1 | 0.59173 |
| 15 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 694.9530 | 15-1 | 1.18346 |
| 15 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 0.00000 |
| 15 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 0.59173 |
| 15 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 1.18346 |
| 15 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 718.3251 | 15-1 | 0.00000 |
| 15 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 685.2045 | 15-1 | 0.59173 |
| 15 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 607.7614 | 15-1 | 1.18346 |
| 15 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 0.00000 |
| 15 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 0.59173 |
| 15 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 1.18346 |
| 15 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 705.2676 | 15-1 | 0.00000 |
| 15 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 636.4762 | 15-1 | 0.59173 |
| 15 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 517.9501 | 15-1 | 1.18346 |
| 15 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 0.00000 |
| 15 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 0.59173 |
| 15 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 | 1.18346 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 15 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 493.3612 | 15-1 | 0.00000 |
| 15 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 431.0117 | 15-1 | 0.59173 |
| 15 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 326.3058 | 15-1 | 1.18346 |
| 15 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 0.00000 |
| 15 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 0.59173 |
| 15 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 | 1.18346 |
| 16 | 0.00000 | SLE | Max | 0.0000 | 747.5993 | 16-1 | 0.00000 |
| 16 | 0.59173 | SLE | Max | 0.0000 | 687.8459 | 16-1 | 0.59173 |
| 16 | 1.18346 | SLE | Max | 0.0000 | 581.9341 | 16-1 | 1.18346 |
| 16 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 16-1 | 0.00000 |
| 16 | 0.59173 | SLE | Min | 0.0000 | 0.0000 | 16-1 | 0.59173 |
| 16 | 1.18346 | SLE | Min | 0.0000 | 0.0000 | 16-1 | 1.18346 |
| 16 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 694.9530 | 16-1 | 0.00000 |
| 16 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 605.0471 | 16-1 | 0.59173 |
| 16 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 467.7416 | 16-1 | 1.18346 |
| 16 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 0.00000 |
| 16 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 0.59173 |
| 16 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 1.18346 |
| 16 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 607.7614 | 16-1 | 0.00000 |
| 16 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 526.6785 | 16-1 | 0.59173 |
| 16 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 401.3731 | 16-1 | 1.18346 |
| 16 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 0.00000 |
| 16 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 0.59173 |
| 16 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 1.18346 |
| 16 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 517.9501 | 16-1 | 0.00000 |
| 16 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 403.8231 | 16-1 | 0.59173 |
| 16 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 240.2879 | 16-1 | 1.18346 |
| 16 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 0.00000 |
| 16 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 0.59173 |
| 16 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 | 1.18346 |
| 16 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 326.3058 | 16-1 | 0.00000 |
| 16 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 234.2241 | 16-1 | 0.59173 |
| 16 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 100.0107 | 16-1 | 1.18346 |
| 16 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 0.00000 |
| 16 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 0.59173 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 16 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 | 1.18346 |
| 17 | 0.00000 | SLE | Max | 0.0000 | 581.9341 | 17-1 | 0.00000 |
| 17 | 0.59173 | SLE | Max | 0.0000 | 471.3401 | 17-1 | 0.59173 |
| 17 | 1.18346 | SLE | Max | 0.0000 | 314.6153 | 17-1 | 1.18346 |
| 17 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 17-1 | 0.00000 |
| 17 | 0.59173 | SLE | Min | 0.0000 | 0.0000 | 17-1 | 0.59173 |
| 17 | 1.18346 | SLE | Min | 0.0000 | 0.0000 | 17-1 | 1.18346 |
| 17 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 467.7416 | 17-1 | 0.00000 |
| 17 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 328.5463 | 17-1 | 0.59173 |
| 17 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 142.3971 | 17-1 | 1.18346 |
| 17 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 0.00000 |
| 17 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 0.59173 |
| 17 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 1.18346 |
| 17 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 401.3731 | 17-1 | 0.00000 |
| 17 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 277.2888 | 17-1 | 0.59173 |
| 17 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 109.3189 | 17-1 | 1.18346 |
| 17 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 | 0.00000 |
| 17 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 | 0.59173 |
| 17 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 | 1.18346 |
| 17 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 240.2879 | 17-1 | 0.00000 |
| 17 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 87.7502 | 17-1 | 0.59173 |
| 17 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 17-1 | 1.18346 |
| 17 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 0.00000 |
| 17 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 | 0.59173 |
| 17 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | -113.4202 | 17-1 | 1.18346 |
| 17 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 100.0107 | 17-1 | 0.00000 |
| 17 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 17-1 | 0.59173 |
| 17 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 17-1 | 1.18346 |
| 17 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 | 0.00000 |
| 17 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | -16.2424 | 17-1 | 0.59173 |
| 17 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | -174.0926 | 17-1 | 1.18346 |
| 18 | 0.00000 | SLE | Max | 0.0000 | 314.6153 | 18-1 | 0.00000 |
| 18 | 0.59173 | SLE | Max | 0.0000 | 159.9147 | 18-1 | 0.59173 |
| 18 | 1.18346 | SLE | Max | 0.0000 | 0.0000 | 18-1 | 1.18346 |
| 18 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 18-1 | 0.00000 |
| 18 | 0.59173 | SLE | Min | 0.0000 | 0.0000 | 18-1 | 0.59173 |
| 18 | 1.18346 | SLE | Min | 0.0000 | -40.7253 | 18-1 | 1.18346 |
| 18 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 142.3971 | 18-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 18 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 18-1 | 0.59173 |
| 18 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 18-1 | 1.18346 |
| 18 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 | 0.00000 |
| 18 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | -37.1495 | 18-1 | 0.59173 |
| 18 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | -262.8625 | 18-1 | 1.18346 |
| 18 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 109.3189 | 18-1 | 0.00000 |
| 18 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 | 0.59173 |
| 18 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 | 1.18346 |
| 18 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 18-1 | 0.00000 |
| 18 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | -49.8301 | 18-1 | 0.59173 |
| 18 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | -252.2575 | 18-1 | 1.18346 |
| 18 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 18-1 | 0.00000 |
| 18 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 18-1 | 0.59173 |
| 18 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 18-1 | 1.18346 |
| 18 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -113.4202 | 18-1 | 0.00000 |
| 18 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | -293.8274 | 18-1 | 0.59173 |
| 18 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | -521.6637 | 18-1 | 1.18346 |
| 18 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 | 0.00000 |
| 18 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 | 0.59173 |
| 18 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 | 1.18346 |
| 18 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -174.0926 | 18-1 | 0.00000 |
| 18 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | -306.2948 | 18-1 | 0.59173 |
| 18 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | -479.3009 | 18-1 | 1.18346 |
| 19 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 19-1 | 0.00000 |
| 19 | 0.59173 | SLE | Max | 0.0000 | 0.0000 | 19-1 | 0.59173 |
| 19 | 1.18346 | SLE | Max | 0.0000 | 0.0000 | 19-1 | 1.18346 |
| 19 | 0.00000 | SLE | Min | 0.0000 | -40.7253 | 19-1 | 0.00000 |
| 19 | 0.59173 | SLE | Min | 0.0000 | -230.1256 | 19-1 | 0.59173 |
| 19 | 1.18346 | SLE | Min | 0.0000 | -465.4492 | 19-1 | 1.18346 |
| 19 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 0.00000 |
| 19 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 0.59173 |
| 19 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 1.18346 |
| 19 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -262.8625 | 19-1 | 0.00000 |
| 19 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | -470.7228 | 19-1 | 0.59173 |
| 19 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | -724.0159 | 19-1 | 1.18346 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 19 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 0.00000 |
| 19 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 0.59173 |
| 19 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 1.18346 |
| 19 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -252.2575 | 19-1 | 0.00000 |
| 19 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | -435.8370 | 19-1 | 0.59173 |
| 19 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | -662.1831 | 19-1 | 1.18346 |
| 19 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 0.00000 |
| 19 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 0.59173 |
| 19 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 | 1.18346 |
| 19 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -521.6637 | 19-1 | 0.00000 |
| 19 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | -716.3151 | 19-1 | 0.59173 |
| 19 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | -957.2596 | 19-1 | 1.18346 |
| 19 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 0.00000 |
| 19 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 0.59173 |
| 19 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 | 1.18346 |
| 19 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -479.3009 | 19-1 | 0.00000 |
| 19 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | -617.0817 | 19-1 | 0.59173 |
| 19 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | -795.0708 | 19-1 | 1.18346 |
| 20 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 20-1 | 0.00000 |
| 20 | 0.59173 | SLE | Max | 0.0000 | 0.0000 | 20-1 | 0.59173 |
| 20 | 1.18346 | SLE | Max | 0.0000 | 0.0000 | 20-1 | 1.18346 |
| 20 | 0.00000 | SLE | Min | 0.0000 | -465.4492 | 20-1 | 0.00000 |
| 20 | 0.59173 | SLE | Min | 0.0000 | -678.6336 | 20-1 | 0.59173 |
| 20 | 1.18346 | SLE | Min | 0.0000 | -938.1745 | 20-1 | 1.18346 |
| 20 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 0.00000 |
| 20 | 0.59173 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 0.59173 |
| 20 | 1.18346 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 1.18346 |
| 20 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -724.0159 | 20-1 | 0.00000 |
| 20 | 0.59173 | SLE_SISMA_DOWN | Min | 0.0000 | -946.4571 | 20-1 | 0.59173 |
| 20 | 1.18346 | SLE_SISMA_DOWN | Min | 0.0000 | -1213.9855 | 20-1 | 1.18346 |
| 20 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 0.00000 |
| 20 | 0.59173 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 0.59173 |
| 20 | 1.18346 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 1.18346 |
| 20 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -662.1831 | 20-1 | 0.00000 |
| 20 | 0.59173 | SLE_SISMA_UP | Min | 0.0000 | -858.1455 | 20-1 | 0.59173 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 20 | 1.18346 | SLE_SISMA_UP | Min | 0.0000 | -1096.7674 | 20-1 | 1.18346 |
| 20 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 0.00000 |
| 20 | 0.59173 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 0.59173 |
| 20 | 1.18346 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 | 1.18346 |
| 20 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -957.2596 | 20-1 | 0.00000 |
| 20 | 0.59173 | SLU_SISMA_DOWN | Min | 0.0000 | -1151.1635 | 20-1 | 0.59173 |
| 20 | 1.18346 | SLU_SISMA_DOWN | Min | 0.0000 | -1390.7243 | 20-1 | 1.18346 |
| 20 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 0.00000 |
| 20 | 0.59173 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 0.59173 |
| 20 | 1.18346 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 | 1.18346 |
| 20 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -795.0708 | 20-1 | 0.00000 |
| 20 | 0.59173 | SLU_SISMA_UP | Min | 0.0000 | -927.4118 | 20-1 | 0.59173 |
| 20 | 1.18346 | SLU_SISMA_UP | Min | 0.0000 | -1099.9547 | 20-1 | 1.18346 |
| 21 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 21-1 | 0.00000 |
| 21 | 0.59164 | SLE | Max | 0.0000 | 0.0000 | 21-1 | 0.59164 |
| 21 | 1.18328 | SLE | Max | 0.0000 | 0.0000 | 21-1 | 1.18328 |
| 21 | 0.00000 | SLE | Min | 0.0000 | -938.1745 | 21-1 | 0.00000 |
| 21 | 0.59164 | SLE | Min | 0.0000 | -1160.8383 | 21-1 | 0.59164 |
| 21 | 1.18328 | SLE | Min | 0.0000 | -1430.2303 | 21-1 | 1.18328 |
| 21 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 0.00000 |
| 21 | 0.59164 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 0.59164 |
| 21 | 1.18328 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 1.18328 |
| 21 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1213.9855 | 21-1 | 0.00000 |
| 21 | 0.59164 | SLE_SISMA_DOWN | Min | 0.0000 | -1433.7196 | 21-1 | 0.59164 |
| 21 | 1.18328 | SLE_SISMA_DOWN | Min | 0.0000 | -1698.1074 | 21-1 | 1.18328 |
| 21 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 0.00000 |
| 21 | 0.59164 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 0.59164 |
| 21 | 1.18328 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 1.18328 |
| 21 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1096.7674 | 21-1 | 0.00000 |
| 21 | 0.59164 | SLE_SISMA_UP | Min | 0.0000 | -1289.8720 | 21-1 | 0.59164 |
| 21 | 1.18328 | SLE_SISMA_UP | Min | 0.0000 | -1525.4968 | 21-1 | 1.18328 |
| 21 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 0.00000 |
| 21 | 0.59164 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 0.59164 |
| 21 | 1.18328 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 | 1.18328 |
| 21 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1390.7243 | 21-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 21 | 0.59164 | SLU_SISMA_DOWN | Min | 0.0000 | -1565.5295 | 21-1 | 0.59164 |
| 21 | 1.18328 | SLU_SISMA_DOWN | Min | 0.0000 | -1785.4153 | 21-1 | 1.18328 |
| 21 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 0.00000 |
| 21 | 0.59164 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 0.59164 |
| 21 | 1.18328 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 | 1.18328 |
| 21 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1099.9547 | 21-1 | 0.00000 |
| 21 | 0.59164 | SLU_SISMA_UP | Min | 0.0000 | -1213.3694 | 21-1 | 0.59164 |
| 21 | 1.18328 | SLU_SISMA_UP | Min | 0.0000 | -1367.2010 | 21-1 | 1.18328 |
| 22 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 22-1 | 0.00000 |
| 22 | 0.59160 | SLE | Max | 0.0000 | 0.0000 | 22-1 | 0.59160 |
| 22 | 1.18320 | SLE | Max | 0.0000 | 0.0000 | 22-1 | 1.18320 |
| 22 | 0.00000 | SLE | Min | 0.0000 | -1430.2303 | 22-1 | 0.00000 |
| 22 | 0.59160 | SLE | Min | 0.0000 | -1638.6666 | 22-1 | 0.59160 |
| 22 | 1.18320 | SLE | Min | 0.0000 | -1890.5290 | 22-1 | 1.18320 |
| 22 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 0.00000 |
| 22 | 0.59160 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 0.59160 |
| 22 | 1.18320 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 1.18320 |
| 22 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1698.1074 | 22-1 | 0.00000 |
| 22 | 0.59160 | SLE_SISMA_DOWN | Min | 0.0000 | -1888.0746 | 22-1 | 0.59160 |
| 22 | 1.18320 | SLE_SISMA_DOWN | Min | 0.0000 | -2118.4865 | 22-1 | 1.18320 |
| 22 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 0.00000 |
| 22 | 0.59160 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 0.59160 |
| 22 | 1.18320 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 1.18320 |
| 22 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1525.4968 | 22-1 | 0.00000 |
| 22 | 0.59160 | SLE_SISMA_UP | Min | 0.0000 | -1691.5198 | 22-1 | 0.59160 |
| 22 | 1.18320 | SLE_SISMA_UP | Min | 0.0000 | -1896.5148 | 22-1 | 1.18320 |
| 22 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 0.00000 |
| 22 | 0.59160 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 0.59160 |
| 22 | 1.18320 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 | 1.18320 |
| 22 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1785.4153 | 22-1 | 0.00000 |
| 22 | 0.59160 | SLU_SISMA_DOWN | Min | 0.0000 | -1912.9377 | 22-1 | 0.59160 |
| 22 | 1.18320 | SLU_SISMA_DOWN | Min | 0.0000 | -2081.1960 | 22-1 | 1.18320 |
| 22 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 0.00000 |
| 22 | 0.59160 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 0.59160 |
| 22 | 1.18320 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 | 1.18320 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 22 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1367.2010 | 22-1 | 0.00000 |
| 22 | 0.59160 | SLU_SISMA_UP | Min | 0.0000 | -1444.6147 | 22-1 | 0.59160 |
| 22 | 1.18320 | SLU_SISMA_UP | Min | 0.0000 | -1559.6101 | 22-1 | 1.18320 |
| 23 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 23-1 | 0.00000 |
| 23 | 0.59160 | SLE | Max | 0.0000 | 0.0000 | 23-1 | 0.59160 |
| 23 | 1.18320 | SLE | Max | 0.0000 | 0.0000 | 23-1 | 1.18320 |
| 23 | 0.00000 | SLE | Min | 0.0000 | -1890.5290 | 23-1 | 0.00000 |
| 23 | 0.59160 | SLE | Min | 0.0000 | -2058.3467 | 23-1 | 0.59160 |
| 23 | 1.18320 | SLE | Min | 0.0000 | -2265.0623 | 23-1 | 1.18320 |
| 23 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 0.00000 |
| 23 | 0.59160 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 0.59160 |
| 23 | 1.18320 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 1.18320 |
| 23 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -2118.4865 | 23-1 | 0.00000 |
| 23 | 0.59160 | SLE_SISMA_DOWN | Min | 0.0000 | -2249.9912 | 23-1 | 0.59160 |
| 23 | 1.18320 | SLE_SISMA_DOWN | Min | 0.0000 | -2416.6235 | 23-1 | 1.18320 |
| 23 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 0.00000 |
| 23 | 0.59160 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 0.59160 |
| 23 | 1.18320 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 1.18320 |
| 23 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1896.5148 | 23-1 | 0.00000 |
| 23 | 0.59160 | SLE_SISMA_UP | Min | 0.0000 | -2010.0531 | 23-1 | 0.59160 |
| 23 | 1.18320 | SLE_SISMA_UP | Min | 0.0000 | -2158.0289 | 23-1 | 1.18320 |
| 23 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 0.00000 |
| 23 | 0.59160 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 0.59160 |
| 23 | 1.18320 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 | 1.18320 |
| 23 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -2081.1960 | 23-1 | 0.00000 |
| 23 | 0.59160 | SLU_SISMA_DOWN | Min | 0.0000 | -2150.9450 | 23-1 | 0.59160 |
| 23 | 1.18320 | SLU_SISMA_DOWN | Min | 0.0000 | -2256.1467 | 23-1 | 1.18320 |
| 23 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 0.00000 |
| 23 | 0.59160 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 0.59160 |
| 23 | 1.18320 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 | 1.18320 |
| 23 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1559.6101 | 23-1 | 0.00000 |
| 23 | 0.59160 | SLU_SISMA_UP | Min | 0.0000 | -1598.0164 | 23-1 | 0.59160 |
| 23 | 1.18320 | SLU_SISMA_UP | Min | 0.0000 | -1670.4217 | 23-1 | 1.18320 |
| 24 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 24-1 | 0.00000 |
| 24 | 0.59162 | SLE | Max | 0.0000 | 0.0000 | 24-1 | 0.59162 |
| 24 | 1.18323 | SLE | Max | 0.0000 | 0.0000 | 24-1 | 1.18323 |
| 24 | 0.00000 | SLE | Min | 0.0000 | -2265.0623 | 24-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 24 | 0.59162 | SLE | Min | 0.0000 | -2369.9852 | 24-1 | 0.59162 |
| 24 | 1.18323 | SLE | Min | 0.0000 | -2511.8208 | 24-1 | 1.18323 |
| 24 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 0.00000 |
| 24 | 0.59162 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 0.59162 |
| 24 | 1.18323 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 1.18323 |
| 24 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -2416.6235 | 24-1 | 0.00000 |
| 24 | 0.59162 | SLE_SISMA_DOWN | Min | 0.0000 | -2478.6586 | 24-1 | 0.59162 |
| 24 | 1.18323 | SLE_SISMA_DOWN | Min | 0.0000 | -2573.3683 | 24-1 | 1.18323 |
| 24 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 0.00000 |
| 24 | 0.59162 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 0.59162 |
| 24 | 1.18323 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 1.18323 |
| 24 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -2158.0289 | 24-1 | 0.00000 |
| 24 | 0.59162 | SLE_SISMA_UP | Min | 0.0000 | -2211.2979 | 24-1 | 0.59162 |
| 24 | 1.18323 | SLE_SISMA_UP | Min | 0.0000 | -2297.0873 | 24-1 | 1.18323 |
| 24 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 0.00000 |
| 24 | 0.59162 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 0.59162 |
| 24 | 1.18323 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 | 1.18323 |
| 24 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -2256.1467 | 24-1 | 0.00000 |
| 24 | 0.59162 | SLU_SISMA_DOWN | Min | 0.0000 | -2278.9868 | 24-1 | 0.59162 |
| 24 | 1.18323 | SLU_SISMA_DOWN | Min | 0.0000 | -2335.1603 | 24-1 | 1.18323 |
| 24 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 0.00000 |
| 24 | 0.59162 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 0.59162 |
| 24 | 1.18323 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 | 1.18323 |
| 24 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1670.4217 | 24-1 | 0.00000 |
| 24 | 0.59162 | SLU_SISMA_UP | Min | 0.0000 | -1683.4193 | 24-1 | 0.59162 |
| 24 | 1.18323 | SLU_SISMA_UP | Min | 0.0000 | -1729.4453 | 24-1 | 1.18323 |
| 25 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 25-1 | 0.00000 |
| 25 | 0.44749 | SLE | Max | 0.0000 | 0.0000 | 25-1 | 0.44749 |
| 25 | 0.89498 | SLE | Max | 0.0000 | 0.0000 | 25-1 | 0.89498 |
| 25 | 0.00000 | SLE | Min | 0.0000 | -2511.8208 | 25-1 | 0.00000 |
| 25 | 0.44749 | SLE | Min | 0.0000 | -2589.3709 | 25-1 | 0.44749 |
| 25 | 0.89498 | SLE | Min | 0.0000 | -2688.8660 | 25-1 | 0.89498 |
| 25 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.00000 |
| 25 | 0.44749 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.44749 |
| 25 | 0.89498 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.89498 |
| 25 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -2573.3683 | 25-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 25 | 0.44749 | SLE_SISMA_DOWN | Min | 0.0000 | -2626.6660 | 25-1 | 0.44749 |
| 25 | 0.89498 | SLE_SISMA_DOWN | Min | 0.0000 | -2699.4314 | 25-1 | 0.89498 |
| 25 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.00000 |
| 25 | 0.44749 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.44749 |
| 25 | 0.89498 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.89498 |
| 25 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -2297.0873 | 25-1 | 0.00000 |
| 25 | 0.44749 | SLE_SISMA_UP | Min | 0.0000 | -2347.8144 | 25-1 | 0.44749 |
| 25 | 0.89498 | SLE_SISMA_UP | Min | 0.0000 | -2418.0092 | 25-1 | 0.89498 |
| 25 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.00000 |
| 25 | 0.44749 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.44749 |
| 25 | 0.89498 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 | 0.89498 |
| 25 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -2335.1603 | 25-1 | 0.00000 |
| 25 | 0.44749 | SLU_SISMA_DOWN | Min | 0.0000 | -2382.4977 | 25-1 | 0.44749 |
| 25 | 0.89498 | SLU_SISMA_DOWN | Min | 0.0000 | -2449.9832 | 25-1 | 0.89498 |
| 25 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.00000 |
| 25 | 0.44749 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.44749 |
| 25 | 0.89498 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 | 0.89498 |
| 25 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1729.4453 | 25-1 | 0.00000 |
| 25 | 0.44749 | SLU_SISMA_UP | Min | 0.0000 | -1776.7598 | 25-1 | 0.44749 |
| 25 | 0.89498 | SLU_SISMA_UP | Min | 0.0000 | -1844.2226 | 25-1 | 0.89498 |
| 26 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 26-1 | 0.00000 |
| 26 | 0.44749 | SLE | Max | 0.0000 | 0.0000 | 26-1 | 0.44749 |
| 26 | 0.89498 | SLE | Max | 0.0000 | 0.0000 | 26-1 | 0.89498 |
| 26 | 0.00000 | SLE | Min | 0.0000 | -2688.8660 | 26-1 | 0.00000 |
| 26 | 0.44749 | SLE | Min | 0.0000 | -2814.4012 | 26-1 | 0.44749 |
| 26 | 0.89498 | SLE | Min | 0.0000 | -2963.4014 | 26-1 | 0.89498 |
| 26 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.00000 |
| 26 | 0.44749 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.44749 |
| 26 | 0.89498 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.89498 |
| 26 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -2699.4314 | 26-1 | 0.00000 |
| 26 | 0.44749 | SLE_SISMA_DOWN | Min | 0.0000 | -2813.9264 | 26-1 | 0.44749 |
| 26 | 0.89498 | SLE_SISMA_DOWN | Min | 0.0000 | -2949.4092 | 26-1 | 0.89498 |
| 26 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.00000 |
| 26 | 0.44749 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.44749 |
| 26 | 0.89498 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.89498 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 26 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -2418.0092 | 26-1 | 0.00000 |
| 26 | 0.44749 | SLE_SISMA_UP | Min | 0.0000 | -2529.7222 | 26-1 | 0.44749 |
| 26 | 0.89498 | SLE_SISMA_UP | Min | 0.0000 | -2662.4230 | 26-1 | 0.89498 |
| 26 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.00000 |
| 26 | 0.44749 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.44749 |
| 26 | 0.89498 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 | 0.89498 |
| 26 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -2449.9832 | 26-1 | 0.00000 |
| 26 | 0.44749 | SLU_SISMA_DOWN | Min | 0.0000 | -2584.2256 | 26-1 | 0.44749 |
| 26 | 0.89498 | SLU_SISMA_DOWN | Min | 0.0000 | -2740.4386 | 26-1 | 0.89498 |
| 26 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.00000 |
| 26 | 0.44749 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.44749 |
| 26 | 0.89498 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 | 0.89498 |
| 26 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1844.2226 | 26-1 | 0.00000 |
| 26 | 0.44749 | SLU_SISMA_UP | Min | 0.0000 | -1976.6876 | 26-1 | 0.44749 |
| 26 | 0.89498 | SLU_SISMA_UP | Min | 0.0000 | -2131.1234 | 26-1 | 0.89498 |
| 27 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 27-1 | 0.00000 |
| 27 | 0.44747 | SLE | Max | 0.0000 | 0.0000 | 27-1 | 0.44747 |
| 27 | 0.89493 | SLE | Max | 0.0000 | 0.0000 | 27-1 | 0.89493 |
| 27 | 0.00000 | SLE | Min | 0.0000 | -2963.4014 | 27-1 | 0.00000 |
| 27 | 0.44747 | SLE | Min | 0.0000 | -3139.6802 | 27-1 | 0.44747 |
| 27 | 0.89493 | SLE | Min | 0.0000 | -3340.9588 | 27-1 | 0.89493 |
| 27 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.00000 |
| 27 | 0.44747 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.44747 |
| 27 | 0.89493 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.89493 |
| 27 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -2949.4092 | 27-1 | 0.00000 |
| 27 | 0.44747 | SLE_SISMA_DOWN | Min | 0.0000 | -3126.9943 | 27-1 | 0.44747 |
| 27 | 0.89493 | SLE_SISMA_DOWN | Min | 0.0000 | -3327.1024 | 27-1 | 0.89493 |
| 27 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.00000 |
| 27 | 0.44747 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.44747 |
| 27 | 0.89493 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.89493 |
| 27 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -2662.4230 | 27-1 | 0.00000 |
| 27 | 0.44747 | SLE_SISMA_UP | Min | 0.0000 | -2837.0581 | 27-1 | 0.44747 |
| 27 | 0.89493 | SLE_SISMA_UP | Min | 0.0000 | -3034.2162 | 27-1 | 0.89493 |
| 27 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.00000 |
| 27 | 0.44747 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.44747 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 27 | 0.89493 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 | 0.89493 |
| 27 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -2740.4386 | 27-1 | 0.00000 |
| 27 | 0.44747 | SLU_SISMA_DOWN | Min | 0.0000 | -2962.9691 | 27-1 | 0.44747 |
| 27 | 0.89493 | SLU_SISMA_DOWN | Min | 0.0000 | -3209.3112 | 27-1 | 0.89493 |
| 27 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.00000 |
| 27 | 0.44747 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.44747 |
| 27 | 0.89493 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 | 0.89493 |
| 27 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -2131.1234 | 27-1 | 0.00000 |
| 27 | 0.44747 | SLU_SISMA_UP | Min | 0.0000 | -2350.2246 | 27-1 | 0.44747 |
| 27 | 0.89493 | SLU_SISMA_UP | Min | 0.0000 | -2593.1375 | 27-1 | 0.89493 |
| 28 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 28-1 | 0.00000 |
| 28 | 0.44607 | SLE | Max | 0.0000 | 0.0000 | 28-1 | 0.44607 |
| 28 | 0.89214 | SLE | Max | 0.0000 | 0.0000 | 28-1 | 0.89214 |
| 28 | 0.00000 | SLE | Min | 0.0000 | -3340.9588 | 28-1 | 0.00000 |
| 28 | 0.44607 | SLE | Min | 0.0000 | -2513.2128 | 28-1 | 0.44607 |
| 28 | 0.89214 | SLE | Min | 0.0000 | -1711.8209 | 28-1 | 0.89214 |
| 28 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 0.00000 |
| 28 | 0.44607 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 0.44607 |
| 28 | 0.89214 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 0.89214 |
| 28 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -3327.1024 | 28-1 | 0.00000 |
| 28 | 0.44607 | SLE_SISMA_DOWN | Min | 0.0000 | -2508.8284 | 28-1 | 0.44607 |
| 28 | 0.89214 | SLE_SISMA_DOWN | Min | 0.0000 | -1714.4471 | 28-1 | 0.89214 |
| 28 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 0.00000 |
| 28 | 0.44607 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 0.44607 |
| 28 | 0.89214 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 0.89214 |
| 28 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -3034.2162 | 28-1 | 0.00000 |
| 28 | 0.44607 | SLE_SISMA_UP | Min | 0.0000 | -2291.2390 | 28-1 | 0.44607 |
| 28 | 0.89214 | SLE_SISMA_UP | Min | 0.0000 | -1572.1544 | 28-1 | 0.89214 |
| 28 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 0.00000 |
| 28 | 0.44607 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 0.44607 |
| 28 | 0.89214 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 | 0.89214 |
| 28 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -3209.3112 | 28-1 | 0.00000 |
| 28 | 0.44607 | SLU_SISMA_DOWN | Min | 0.0000 | -2438.9157 | 28-1 | 0.44607 |
| 28 | 0.89214 | SLU_SISMA_DOWN | Min | 0.0000 | -1693.9941 | 28-1 | 0.89214 |
| 28 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 28 | 0.44607 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 0.44607 |
| 28 | 0.89214 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 | 0.89214 |
| 28 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -2593.1375 | 28-1 | 0.00000 |
| 28 | 0.44607 | SLU_SISMA_UP | Min | 0.0000 | -1981.4251 | 28-1 | 0.44607 |
| 28 | 0.89214 | SLU_SISMA_UP | Min | 0.0000 | -1395.1866 | 28-1 | 0.89214 |
| 29 | 0.00000 | SLE | Max | 0.0000 | 1711.8209 | 29-1 | 0.00000 |
| 29 | 0.41276 | SLE | Max | 0.0000 | 1571.1937 | 29-1 | 0.41276 |
| 29 | 0.82552 | SLE | Max | 0.0000 | 1425.4554 | 29-1 | 0.82552 |
| 29 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 29-1 | 0.00000 |
| 29 | 0.41276 | SLE | Min | 0.0000 | 0.0000 | 29-1 | 0.41276 |
| 29 | 0.82552 | SLE | Min | 0.0000 | 0.0000 | 29-1 | 0.82552 |
| 29 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 1714.4471 | 29-1 | 0.00000 |
| 29 | 0.41276 | SLE_SISMA_DOWN | Max | 0.0000 | 1534.1704 | 29-1 | 0.41276 |
| 29 | 0.82552 | SLE_SISMA_DOWN | Max | 0.0000 | 1348.6191 | 29-1 | 0.82552 |
| 29 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.00000 |
| 29 | 0.41276 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.41276 |
| 29 | 0.82552 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.82552 |
| 29 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 1572.1544 | 29-1 | 0.00000 |
| 29 | 0.41276 | SLE_SISMA_UP | Max | 0.0000 | 1402.1661 | 29-1 | 0.41276 |
| 29 | 0.82552 | SLE_SISMA_UP | Max | 0.0000 | 1227.3529 | 29-1 | 0.82552 |
| 29 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.00000 |
| 29 | 0.41276 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.41276 |
| 29 | 0.82552 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.82552 |
| 29 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 1693.9941 | 29-1 | 0.00000 |
| 29 | 0.41276 | SLU_SISMA_DOWN | Max | 0.0000 | 1460.5846 | 29-1 | 0.41276 |
| 29 | 0.82552 | SLU_SISMA_DOWN | Max | 0.0000 | 1221.6552 | 29-1 | 0.82552 |
| 29 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.00000 |
| 29 | 0.41276 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.41276 |
| 29 | 0.82552 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 | 0.82552 |
| 29 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 1395.1866 | 29-1 | 0.00000 |
| 29 | 0.41276 | SLU_SISMA_UP | Max | 0.0000 | 1185.9071 | 29-1 | 0.41276 |
| 29 | 0.82552 | SLU_SISMA_UP | Max | 0.0000 | 971.9254 | 29-1 | 0.82552 |
| 29 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.00000 |
| 29 | 0.41276 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.41276 |
| 29 | 0.82552 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 | 0.82552 |
| 30 | 0.00000 | SLE | Max | 0.0000 | 1425.4554 | 30-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 30 | 0.41276 | SLE | Max | 0.0000 | 1369.2412 | 30-1 | 0.41276 |
| 30 | 0.82552 | SLE | Max | 0.0000 | 1307.9159 | 30-1 | 0.82552 |
| 30 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 30-1 | 0.00000 |
| 30 | 0.41276 | SLE | Min | 0.0000 | 0.0000 | 30-1 | 0.41276 |
| 30 | 0.82552 | SLE | Min | 0.0000 | 0.0000 | 30-1 | 0.82552 |
| 30 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 1348.6191 | 30-1 | 0.00000 |
| 30 | 0.41276 | SLE_SISMA_DOWN | Max | 0.0000 | 1260.4443 | 30-1 | 0.41276 |
| 30 | 0.82552 | SLE_SISMA_DOWN | Max | 0.0000 | 1166.9949 | 30-1 | 0.82552 |
| 30 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.00000 |
| 30 | 0.41276 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.41276 |
| 30 | 0.82552 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.82552 |
| 30 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 1227.3529 | 30-1 | 0.00000 |
| 30 | 0.41276 | SLE_SISMA_UP | Max | 0.0000 | 1143.0570 | 30-1 | 0.41276 |
| 30 | 0.82552 | SLE_SISMA_UP | Max | 0.0000 | 1053.9363 | 30-1 | 0.82552 |
| 30 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.00000 |
| 30 | 0.41276 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.41276 |
| 30 | 0.82552 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.82552 |
| 30 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 1221.6552 | 30-1 | 0.00000 |
| 30 | 0.41276 | SLU_SISMA_DOWN | Max | 0.0000 | 1091.3629 | 30-1 | 0.41276 |
| 30 | 0.82552 | SLU_SISMA_DOWN | Max | 0.0000 | 955.5507 | 30-1 | 0.82552 |
| 30 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.00000 |
| 30 | 0.41276 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.41276 |
| 30 | 0.82552 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 | 0.82552 |
| 30 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 971.9254 | 30-1 | 0.00000 |
| 30 | 0.41276 | SLU_SISMA_UP | Max | 0.0000 | 852.1587 | 30-1 | 0.41276 |
| 30 | 0.82552 | SLU_SISMA_UP | Max | 0.0000 | 727.6899 | 30-1 | 0.82552 |
| 30 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.00000 |
| 30 | 0.41276 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.41276 |
| 30 | 0.82552 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 | 0.82552 |
| 31 | 0.00000 | SLE | Max | 0.0000 | 1307.9159 | 31-1 | 0.00000 |
| 31 | 0.51989 | SLE | Max | 0.0000 | 846.3963 | 31-1 | 0.51989 |
| 31 | 1.03978 | SLE | Max | 0.0000 | 377.3917 | 31-1 | 1.03978 |
| 31 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 31-1 | 0.00000 |
| 31 | 0.51989 | SLE | Min | 0.0000 | 0.0000 | 31-1 | 0.51989 |
| 31 | 1.03978 | SLE | Min | 0.0000 | 0.0000 | 31-1 | 1.03978 |
| 31 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 1166.9949 | 31-1 | 0.00000 |
| 31 | 0.51989 | SLE_SISMA_DOWN | Max | 0.0000 | 687.1604 | 31-1 | 0.51989 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 31 | 1.03978 | SLE_SISMA_DOWN | Max | 0.0000 | 199.6015 | 31-1 | 1.03978 |
| 31 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 31-1 | 0.00000 |
| 31 | 0.51989 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 31-1 | 0.51989 |
| 31 | 1.03978 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 31-1 | 1.03978 |
| 31 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 1053.9363 | 31-1 | 0.00000 |
| 31 | 0.51989 | SLE_SISMA_UP | Max | 0.0000 | 615.6138 | 31-1 | 0.51989 |
| 31 | 1.03978 | SLE_SISMA_UP | Max | 0.0000 | 170.2254 | 31-1 | 1.03978 |
| 31 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 31-1 | 0.00000 |
| 31 | 0.51989 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 31-1 | 0.51989 |
| 31 | 1.03978 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 31-1 | 1.03978 |
| 31 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 955.5507 | 31-1 | 0.00000 |
| 31 | 0.51989 | SLU_SISMA_DOWN | Max | 0.0000 | 469.7174 | 31-1 | 0.51989 |
| 31 | 1.03978 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 31-1 | 1.03978 |
| 31 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 31-1 | 0.00000 |
| 31 | 0.51989 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 31-1 | 0.51989 |
| 31 | 1.03978 | SLU_SISMA_DOWN | Min | 0.0000 | -24.1997 | 31-1 | 1.03978 |
| 31 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 727.6899 | 31-1 | 0.00000 |
| 31 | 0.51989 | SLU_SISMA_UP | Max | 0.0000 | 330.7814 | 31-1 | 0.51989 |
| 31 | 1.03978 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 31-1 | 1.03978 |
| 31 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 31-1 | 0.00000 |
| 31 | 0.51989 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 31-1 | 0.51989 |
| 31 | 1.03978 | SLU_SISMA_UP | Min | 0.0000 | -73.0133 | 31-1 | 1.03978 |
| 32 | 0.00000 | SLE | Max | 0.0000 | 377.3917 | 32-1 | 0.00000 |
| 32 | 0.51989 | SLE | Max | 0.0000 | 0.0000 | 32-1 | 0.51989 |
| 32 | 1.03978 | SLE | Max | 0.0000 | 0.0000 | 32-1 | 1.03978 |
| 32 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 32-1 | 0.00000 |
| 32 | 0.51989 | SLE | Min | 0.0000 | -1.4299 | 32-1 | 0.51989 |
| 32 | 1.03978 | SLE | Min | 0.0000 | -387.9408 | 32-1 | 1.03978 |
| 32 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 199.6015 | 32-1 | 0.00000 |
| 32 | 0.51989 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 0.51989 |
| 32 | 1.03978 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 1.03978 |
| 32 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 32-1 | 0.00000 |
| 32 | 0.51989 | SLE_SISMA_DOWN | Min | 0.0000 | -182.7568 | 32-1 | 0.51989 |
| 32 | 1.03978 | SLE_SISMA_DOWN | Min | 0.0000 | -573.0504 | 32-1 | 1.03978 |
| 32 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 170.2254 | 32-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 32 | 0.51989 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 0.51989 |
| 32 | 1.03978 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 1.03978 |
| 32 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 32-1 | 0.00000 |
| 32 | 0.51989 | SLE_SISMA_UP | Min | 0.0000 | -178.1317 | 32-1 | 0.51989 |
| 32 | 1.03978 | SLE_SISMA_UP | Min | 0.0000 | -533.7475 | 32-1 | 1.03978 |
| 32 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 0.00000 |
| 32 | 0.51989 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 0.51989 |
| 32 | 1.03978 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 | 1.03978 |
| 32 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -24.1997 | 32-1 | 0.00000 |
| 32 | 0.51989 | SLU_SISMA_DOWN | Min | 0.0000 | -396.3965 | 32-1 | 0.51989 |
| 32 | 1.03978 | SLU_SISMA_DOWN | Min | 0.0000 | -776.8977 | 32-1 | 1.03978 |
| 32 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 0.00000 |
| 32 | 0.51989 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 0.51989 |
| 32 | 1.03978 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 | 1.03978 |
| 32 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -73.0133 | 32-1 | 0.00000 |
| 32 | 0.51989 | SLU_SISMA_UP | Min | 0.0000 | -372.9423 | 32-1 | 0.51989 |
| 32 | 1.03978 | SLU_SISMA_UP | Min | 0.0000 | -679.9454 | 32-1 | 1.03978 |
| 33 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 33-1 | 0.00000 |
| 33 | 0.51989 | SLE | Max | 0.0000 | 0.0000 | 33-1 | 0.51989 |
| 33 | 1.03978 | SLE | Max | 0.0000 | 0.0000 | 33-1 | 1.03978 |
| 33 | 0.00000 | SLE | Min | 0.0000 | -387.9408 | 33-1 | 0.00000 |
| 33 | 0.51989 | SLE | Min | 0.0000 | -682.5070 | 33-1 | 0.51989 |
| 33 | 1.03978 | SLE | Min | 0.0000 | -984.9273 | 33-1 | 1.03978 |
| 33 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 0.00000 |
| 33 | 0.51989 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 0.51989 |
| 33 | 1.03978 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 1.03978 |
| 33 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -573.0504 | 33-1 | 0.00000 |
| 33 | 0.51989 | SLE_SISMA_DOWN | Min | 0.0000 | -859.0144 | 33-1 | 0.51989 |
| 33 | 1.03978 | SLE_SISMA_DOWN | Min | 0.0000 | -1153.0838 | 33-1 | 1.03978 |
| 33 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 0.00000 |
| 33 | 0.51989 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 0.51989 |
| 33 | 1.03978 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 1.03978 |
| 33 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -533.7475 | 33-1 | 0.00000 |
| 33 | 0.51989 | SLE_SISMA_UP | Min | 0.0000 | -793.3128 | 33-1 | 0.51989 |
| 33 | 1.03978 | SLE_SISMA_UP | Min | 0.0000 | -1060.2923 | 33-1 | 1.03978 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 33 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 0.00000 |
| 33 | 0.51989 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 0.51989 |
| 33 | 1.03978 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 | 1.03978 |
| 33 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -776.8977 | 33-1 | 0.00000 |
| 33 | 0.51989 | SLU_SISMA_DOWN | Min | 0.0000 | -1040.0144 | 33-1 | 0.51989 |
| 33 | 1.03978 | SLU_SISMA_DOWN | Min | 0.0000 | -1311.6135 | 33-1 | 1.03978 |
| 33 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 0.00000 |
| 33 | 0.51989 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 0.51989 |
| 33 | 1.03978 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 | 1.03978 |
| 33 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -679.9454 | 33-1 | 0.00000 |
| 33 | 0.51989 | SLU_SISMA_UP | Min | 0.0000 | -887.5252 | 33-1 | 0.51989 |
| 33 | 1.03978 | SLU_SISMA_UP | Min | 0.0000 | -1102.3308 | 33-1 | 1.03978 |
| 34 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 34-1 | 0.00000 |
| 34 | 0.51989 | SLE | Max | 0.0000 | 0.0000 | 34-1 | 0.51989 |
| 34 | 1.03978 | SLE | Max | 0.0000 | 0.0000 | 34-1 | 1.03978 |
| 34 | 0.00000 | SLE | Min | 0.0000 | -984.9273 | 34-1 | 0.00000 |
| 34 | 0.51989 | SLE | Min | 0.0000 | -1194.4519 | 34-1 | 0.51989 |
| 34 | 1.03978 | SLE | Min | 0.0000 | -1411.9548 | 34-1 | 1.03978 |
| 34 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 0.00000 |
| 34 | 0.51989 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 0.51989 |
| 34 | 1.03978 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 1.03978 |
| 34 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1153.0838 | 34-1 | 0.00000 |
| 34 | 0.51989 | SLE_SISMA_DOWN | Min | 0.0000 | -1344.5423 | 34-1 | 0.51989 |
| 34 | 1.03978 | SLE_SISMA_DOWN | Min | 0.0000 | -1544.2344 | 34-1 | 1.03978 |
| 34 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 0.00000 |
| 34 | 0.51989 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 0.51989 |
| 34 | 1.03978 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 1.03978 |
| 34 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1060.2923 | 34-1 | 0.00000 |
| 34 | 0.51989 | SLE_SISMA_UP | Min | 0.0000 | -1232.9889 | 34-1 | 0.51989 |
| 34 | 1.03978 | SLE_SISMA_UP | Min | 0.0000 | -1413.2171 | 34-1 | 1.03978 |
| 34 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 0.00000 |
| 34 | 0.51989 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 0.51989 |
| 34 | 1.03978 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 | 1.03978 |
| 34 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1311.6135 | 34-1 | 0.00000 |
| 34 | 0.51989 | SLU_SISMA_DOWN | Min | 0.0000 | -1471.0738 | 34-1 | 0.51989 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 34 | 1.03978 | SLU_SISMA_DOWN | Min | 0.0000 | -1639.1508 | 34-1 | 1.03978 |
| 34 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 0.00000 |
| 34 | 0.51989 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 0.51989 |
| 34 | 1.03978 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 | 1.03978 |
| 34 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1102.3308 | 34-1 | 0.00000 |
| 34 | 0.51989 | SLU_SISMA_UP | Min | 0.0000 | -1222.9372 | 34-1 | 0.51989 |
| 34 | 1.03978 | SLU_SISMA_UP | Min | 0.0000 | -1350.8836 | 34-1 | 1.03978 |
| 35 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 35-1 | 0.00000 |
| 35 | 0.51989 | SLE | Max | 0.0000 | 0.0000 | 35-1 | 0.51989 |
| 35 | 1.03978 | SLE | Max | 0.0000 | 0.0000 | 35-1 | 1.03978 |
| 35 | 0.00000 | SLE | Min | 0.0000 | -1411.9548 | 35-1 | 0.00000 |
| 35 | 0.51989 | SLE | Min | 0.0000 | -1536.1090 | 35-1 | 0.51989 |
| 35 | 1.03978 | SLE | Min | 0.0000 | -1668.3248 | 35-1 | 1.03978 |
| 35 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 0.00000 |
| 35 | 0.51989 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 0.51989 |
| 35 | 1.03978 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 1.03978 |
| 35 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1544.2344 | 35-1 | 0.00000 |
| 35 | 0.51989 | SLE_SISMA_DOWN | Min | 0.0000 | -1643.5511 | 35-1 | 0.51989 |
| 35 | 1.03978 | SLE_SISMA_DOWN | Min | 0.0000 | -1751.1874 | 35-1 | 1.03978 |
| 35 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 0.00000 |
| 35 | 0.51989 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 0.51989 |
| 35 | 1.03978 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 1.03978 |
| 35 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1413.2171 | 35-1 | 0.00000 |
| 35 | 0.51989 | SLE_SISMA_UP | Min | 0.0000 | -1501.4146 | 35-1 | 0.51989 |
| 35 | 1.03978 | SLE_SISMA_UP | Min | 0.0000 | -1597.2222 | 35-1 | 1.03978 |
| 35 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 0.00000 |
| 35 | 0.51989 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 0.51989 |
| 35 | 1.03978 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 | 1.03978 |
| 35 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1639.1508 | 35-1 | 0.00000 |
| 35 | 0.51989 | SLU_SISMA_DOWN | Min | 0.0000 | -1700.9028 | 35-1 | 0.51989 |
| 35 | 1.03978 | SLU_SISMA_DOWN | Min | 0.0000 | -1771.3613 | 35-1 | 1.03978 |
| 35 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 0.00000 |
| 35 | 0.51989 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 0.51989 |
| 35 | 1.03978 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 | 1.03978 |
| 35 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1350.8836 | 35-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 35 | 0.51989 | SLU_SISMA_UP | Min | 0.0000 | -1390.3554 | 35-1 | 0.51989 |
| 35 | 1.03978 | SLU_SISMA_UP | Min | 0.0000 | -1437.2438 | 35-1 | 1.03978 |
| 36 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 36-1 | 0.00000 |
| 36 | 0.51984 | SLE | Max | 0.0000 | 0.0000 | 36-1 | 0.51984 |
| 36 | 1.03967 | SLE | Max | 0.0000 | 0.0000 | 36-1 | 1.03967 |
| 36 | 0.00000 | SLE | Min | 0.0000 | -1668.3248 | 36-1 | 0.00000 |
| 36 | 0.51984 | SLE | Min | 0.0000 | -1707.0119 | 36-1 | 0.51984 |
| 36 | 1.03967 | SLE | Min | 0.0000 | -1753.8007 | 36-1 | 1.03967 |
| 36 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 0.00000 |
| 36 | 0.51984 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 0.51984 |
| 36 | 1.03967 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 1.03967 |
| 36 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1751.1874 | 36-1 | 0.00000 |
| 36 | 0.51984 | SLE_SISMA_DOWN | Min | 0.0000 | -1760.9711 | 36-1 | 0.51984 |
| 36 | 1.03967 | SLE_SISMA_DOWN | Min | 0.0000 | -1779.1157 | 36-1 | 1.03967 |
| 36 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 0.00000 |
| 36 | 0.51984 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 0.51984 |
| 36 | 1.03967 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 1.03967 |
| 36 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1597.2222 | 36-1 | 0.00000 |
| 36 | 0.51984 | SLE_SISMA_UP | Min | 0.0000 | -1603.5267 | 36-1 | 0.51984 |
| 36 | 1.03967 | SLE_SISMA_UP | Min | 0.0000 | -1617.4791 | 36-1 | 1.03967 |
| 36 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 0.00000 |
| 36 | 0.51984 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 0.51984 |
| 36 | 1.03967 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 | 1.03967 |
| 36 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1771.3613 | 36-1 | 0.00000 |
| 36 | 0.51984 | SLU_SISMA_DOWN | Min | 0.0000 | -1741.6490 | 36-1 | 0.51984 |
| 36 | 1.03967 | SLU_SISMA_DOWN | Min | 0.0000 | -1720.6864 | 36-1 | 1.03967 |
| 36 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 0.00000 |
| 36 | 0.51984 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 0.51984 |
| 36 | 1.03967 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 | 1.03967 |
| 36 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1437.2438 | 36-1 | 0.00000 |
| 36 | 0.51984 | SLU_SISMA_UP | Min | 0.0000 | -1401.6981 | 36-1 | 0.51984 |
| 36 | 1.03967 | SLU_SISMA_UP | Min | 0.0000 | -1373.6059 | 36-1 | 1.03967 |
| 37 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 37-1 | 0.00000 |
| 37 | 0.51994 | SLE | Max | 0.0000 | 0.0000 | 37-1 | 0.51994 |
| 37 | 1.03988 | SLE | Max | 0.0000 | 0.0000 | 37-1 | 1.03988 |
| 37 | 0.00000 | SLE | Min | 0.0000 | -1753.8007 | 37-1 | 0.00000 |
| 37 | 0.51994 | SLE | Min | 0.0000 | -1707.0148 | 37-1 | 0.51994 |
| 37 | 1.03988 | SLE | Min | 0.0000 | -1668.3339 | 37-1 | 1.03988 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 37 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 0.00000 |
| 37 | 0.51994 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 0.51994 |
| 37 | 1.03988 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 1.03988 |
| 37 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1779.1157 | 37-1 | 0.00000 |
| 37 | 0.51994 | SLE_SISMA_DOWN | Min | 0.0000 | -1702.0624 | 37-1 | 0.51994 |
| 37 | 1.03988 | SLE_SISMA_DOWN | Min | 0.0000 | -1633.3734 | 37-1 | 1.03988 |
| 37 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 0.00000 |
| 37 | 0.51994 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 0.51994 |
| 37 | 1.03988 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 1.03988 |
| 37 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1617.4791 | 37-1 | 0.00000 |
| 37 | 0.51994 | SLE_SISMA_UP | Min | 0.0000 | -1544.5884 | 37-1 | 0.51994 |
| 37 | 1.03988 | SLE_SISMA_UP | Min | 0.0000 | -1479.3488 | 37-1 | 1.03988 |
| 37 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 0.00000 |
| 37 | 0.51994 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 0.51994 |
| 37 | 1.03988 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 | 1.03988 |
| 37 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1720.6864 | 37-1 | 0.00000 |
| 37 | 0.51994 | SLU_SISMA_DOWN | Min | 0.0000 | -1605.8753 | 37-1 | 0.51994 |
| 37 | 1.03988 | SLU_SISMA_DOWN | Min | 0.0000 | -1499.8176 | 37-1 | 1.03988 |
| 37 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 0.00000 |
| 37 | 0.51994 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 0.51994 |
| 37 | 1.03988 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 | 1.03988 |
| 37 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1373.6059 | 37-1 | 0.00000 |
| 37 | 0.51994 | SLU_SISMA_UP | Min | 0.0000 | -1269.2911 | 37-1 | 0.51994 |
| 37 | 1.03988 | SLU_SISMA_UP | Min | 0.0000 | -1172.4330 | 37-1 | 1.03988 |
| 38 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 38-1 | 0.00000 |
| 38 | 0.51989 | SLE | Max | 0.0000 | 0.0000 | 38-1 | 0.51989 |
| 38 | 1.03978 | SLE | Max | 0.0000 | 0.0000 | 38-1 | 1.03978 |
| 38 | 0.00000 | SLE | Min | 0.0000 | -1668.3339 | 38-1 | 0.00000 |
| 38 | 0.51989 | SLE | Min | 0.0000 | -1536.1224 | 38-1 | 0.51989 |
| 38 | 1.03978 | SLE | Min | 0.0000 | -1411.9724 | 38-1 | 1.03978 |
| 38 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 0.00000 |
| 38 | 0.51989 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 0.51989 |
| 38 | 1.03978 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 1.03978 |
| 38 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1633.3734 | 38-1 | 0.00000 |
| 38 | 0.51989 | SLE_SISMA_DOWN | Min | 0.0000 | -1472.2631 | 38-1 | 0.51989 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 38 | 1.03978 | SLE_SISMA_DOWN | Min | 0.0000 | -1319.4725 | 38-1 | 1.03978 |
| 38 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 0.00000 |
| 38 | 0.51989 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 0.51989 |
| 38 | 1.03978 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 1.03978 |
| 38 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1479.3488 | 38-1 | 0.00000 |
| 38 | 0.51989 | SLE_SISMA_UP | Min | 0.0000 | -1330.0528 | 38-1 | 0.51989 |
| 38 | 1.03978 | SLE_SISMA_UP | Min | 0.0000 | -1188.3670 | 38-1 | 1.03978 |
| 38 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 0.00000 |
| 38 | 0.51989 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 0.51989 |
| 38 | 1.03978 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 | 1.03978 |
| 38 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1499.8176 | 38-1 | 0.00000 |
| 38 | 0.51989 | SLU_SISMA_DOWN | Min | 0.0000 | -1306.4373 | 38-1 | 0.51989 |
| 38 | 1.03978 | SLU_SISMA_DOWN | Min | 0.0000 | -1121.7636 | 38-1 | 1.03978 |
| 38 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 0.00000 |
| 38 | 0.51989 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 0.51989 |
| 38 | 1.03978 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 | 1.03978 |
| 38 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -1172.4330 | 38-1 | 0.00000 |
| 38 | 0.51989 | SLU_SISMA_UP | Min | 0.0000 | -1005.7765 | 38-1 | 0.51989 |
| 38 | 1.03978 | SLU_SISMA_UP | Min | 0.0000 | -846.5367 | 38-1 | 1.03978 |
| 39 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 39-1 | 0.00000 |
| 39 | 0.51989 | SLE | Max | 0.0000 | 0.0000 | 39-1 | 0.51989 |
| 39 | 1.03978 | SLE | Max | 0.0000 | 0.0000 | 39-1 | 1.03978 |
| 39 | 0.00000 | SLE | Min | 0.0000 | -1411.9724 | 39-1 | 0.00000 |
| 39 | 0.51989 | SLE | Min | 0.0000 | -1194.4733 | 39-1 | 0.51989 |
| 39 | 1.03978 | SLE | Min | 0.0000 | -984.9526 | 39-1 | 1.03978 |
| 39 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 0.00000 |
| 39 | 0.51989 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 0.51989 |
| 39 | 1.03978 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 1.03978 |
| 39 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -1319.4725 | 39-1 | 0.00000 |
| 39 | 0.51989 | SLE_SISMA_DOWN | Min | 0.0000 | -1077.1811 | 39-1 | 0.51989 |
| 39 | 1.03978 | SLE_SISMA_DOWN | Min | 0.0000 | -843.1235 | 39-1 | 1.03978 |
| 39 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 0.00000 |
| 39 | 0.51989 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 0.51989 |
| 39 | 1.03978 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 1.03978 |
| 39 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -1188.3670 | 39-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 39 | 0.51989 | SLE_SISMA_UP | Min | 0.0000 | -965.5555 | 39-1 | 0.51989 |
| 39 | 1.03978 | SLE_SISMA_UP | Min | 0.0000 | -750.2757 | 39-1 | 1.03978 |
| 39 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 0.00000 |
| 39 | 0.51989 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 0.51989 |
| 39 | 1.03978 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 | 1.03978 |
| 39 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -1121.7636 | 39-1 | 0.00000 |
| 39 | 0.51989 | SLU_SISMA_DOWN | Min | 0.0000 | -856.4812 | 39-1 | 0.51989 |
| 39 | 1.03978 | SLU_SISMA_DOWN | Min | 0.0000 | -599.8155 | 39-1 | 1.03978 |
| 39 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 0.00000 |
| 39 | 0.51989 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 0.51989 |
| 39 | 1.03978 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 | 1.03978 |
| 39 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -846.5367 | 39-1 | 0.00000 |
| 39 | 0.51989 | SLU_SISMA_UP | Min | 0.0000 | -624.1115 | 39-1 | 0.51989 |
| 39 | 1.03978 | SLU_SISMA_UP | Min | 0.0000 | -409.0265 | 39-1 | 1.03978 |
| 40 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 40-1 | 0.00000 |
| 40 | 0.51989 | SLE | Max | 0.0000 | 0.0000 | 40-1 | 0.51989 |
| 40 | 1.03978 | SLE | Max | 0.0000 | 0.0000 | 40-1 | 1.03978 |
| 40 | 0.00000 | SLE | Min | 0.0000 | -984.9526 | 40-1 | 0.00000 |
| 40 | 0.51989 | SLE | Min | 0.0000 | -682.5354 | 40-1 | 0.51989 |
| 40 | 1.03978 | SLE | Min | 0.0000 | -387.9723 | 40-1 | 1.03978 |
| 40 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 0.00000 |
| 40 | 0.51989 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 0.51989 |
| 40 | 1.03978 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 1.03978 |
| 40 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -843.1235 | 40-1 | 0.00000 |
| 40 | 0.51989 | SLE_SISMA_DOWN | Min | 0.0000 | -522.7819 | 40-1 | 0.51989 |
| 40 | 1.03978 | SLE_SISMA_DOWN | Min | 0.0000 | -210.5457 | 40-1 | 1.03978 |
| 40 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 | 0.00000 |
| 40 | 0.51989 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 | 0.51989 |
| 40 | 1.03978 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 | 1.03978 |
| 40 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -750.2757 | 40-1 | 0.00000 |
| 40 | 0.51989 | SLE_SISMA_UP | Min | 0.0000 | -457.0851 | 40-1 | 0.51989 |
| 40 | 1.03978 | SLE_SISMA_UP | Min | 0.0000 | -171.3087 | 40-1 | 1.03978 |
| 40 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 0.00000 |
| 40 | 0.51989 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 | 0.51989 |
| 40 | 1.03978 | SLU_SISMA_DOWN | Max | 0.0000 | 52.1105 | 40-1 | 1.03978 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 40 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | -599.8155 | 40-1 | 0.00000 |
| 40 | 0.51989 | SLU_SISMA_DOWN | Min | 0.0000 | -269.6113 | 40-1 | 0.51989 |
| 40 | 1.03978 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 40-1 | 1.03978 |
| 40 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 | 0.00000 |
| 40 | 0.51989 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 | 0.51989 |
| 40 | 1.03978 | SLU_SISMA_UP | Max | 0.0000 | 126.4035 | 40-1 | 1.03978 |
| 40 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | -409.0265 | 40-1 | 0.00000 |
| 40 | 0.51989 | SLU_SISMA_UP | Min | 0.0000 | -137.6986 | 40-1 | 0.51989 |
| 40 | 1.03978 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 40-1 | 1.03978 |
| 41 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 41-1 | 0.00000 |
| 41 | 0.51989 | SLE | Max | 0.0000 | 0.0000 | 41-1 | 0.51989 |
| 41 | 1.03978 | SLE | Max | 0.0000 | 377.3559 | 41-1 | 1.03978 |
| 41 | 0.00000 | SLE | Min | 0.0000 | -387.9723 | 41-1 | 0.00000 |
| 41 | 0.51989 | SLE | Min | 0.0000 | -1.4635 | 41-1 | 0.51989 |
| 41 | 1.03978 | SLE | Min | 0.0000 | 0.0000 | 41-1 | 1.03978 |
| 41 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 41-1 | 0.00000 |
| 41 | 0.51989 | SLE_SISMA_DOWN | Max | 0.0000 | 184.2394 | 41-1 | 0.51989 |
| 41 | 1.03978 | SLE_SISMA_DOWN | Max | 0.0000 | 571.0891 | 41-1 | 1.03978 |
| 41 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | -210.5457 | 41-1 | 0.00000 |
| 41 | 0.51989 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 | 0.51989 |
| 41 | 1.03978 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 | 1.03978 |
| 41 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 41-1 | 0.00000 |
| 41 | 0.51989 | SLE_SISMA_UP | Max | 0.0000 | 188.6778 | 41-1 | 0.51989 |
| 41 | 1.03978 | SLE_SISMA_UP | Max | 0.0000 | 541.4056 | 41-1 | 1.03978 |
| 41 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | -171.3087 | 41-1 | 0.00000 |
| 41 | 0.51989 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 | 0.51989 |
| 41 | 1.03978 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 | 1.03978 |
| 41 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 52.1105 | 41-1 | 0.00000 |
| 41 | 0.51989 | SLU_SISMA_DOWN | Max | 0.0000 | 439.7405 | 41-1 | 0.51989 |
| 41 | 1.03978 | SLU_SISMA_DOWN | Max | 0.0000 | 819.0660 | 41-1 | 1.03978 |
| 41 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 | 0.00000 |
| 41 | 0.51989 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 | 0.51989 |
| 41 | 1.03978 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 | 1.03978 |
| 41 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 126.4035 | 41-1 | 0.00000 |
| 41 | 0.51989 | SLU_SISMA_UP | Max | 0.0000 | 439.3169 | 41-1 | 0.51989 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 41 | 1.03978 | SLU_SISMA_UP | Max | 0.0000 | 745.1561 | 41-1 | 1.03978 |
| 41 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 | 0.00000 |
| 41 | 0.51989 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 | 0.51989 |
| 41 | 1.03978 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 | 1.03978 |
| 42 | 0.00000 | SLE | Max | 0.0000 | 377.3559 | 42-1 | 0.00000 |
| 42 | 0.51989 | SLE | Max | 0.0000 | 846.3595 | 42-1 | 0.51989 |
| 42 | 1.03978 | SLE | Max | 0.0000 | 1307.8781 | 42-1 | 1.03978 |
| 42 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 42-1 | 0.00000 |
| 42 | 0.51989 | SLE | Min | 0.0000 | 0.0000 | 42-1 | 0.51989 |
| 42 | 1.03978 | SLE | Min | 0.0000 | 0.0000 | 42-1 | 1.03978 |
| 42 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 571.0891 | 42-1 | 0.00000 |
| 42 | 0.51989 | SLE_SISMA_DOWN | Max | 0.0000 | 1035.9308 | 42-1 | 0.51989 |
| 42 | 1.03978 | SLE_SISMA_DOWN | Max | 0.0000 | 1493.0479 | 42-1 | 1.03978 |
| 42 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 0.00000 |
| 42 | 0.51989 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 0.51989 |
| 42 | 1.03978 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 1.03978 |
| 42 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 541.4056 | 42-1 | 0.00000 |
| 42 | 0.51989 | SLE_SISMA_UP | Max | 0.0000 | 963.8824 | 42-1 | 0.51989 |
| 42 | 1.03978 | SLE_SISMA_UP | Max | 0.0000 | 1379.2934 | 42-1 | 1.03978 |
| 42 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 0.00000 |
| 42 | 0.51989 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 0.51989 |
| 42 | 1.03978 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 1.03978 |
| 42 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 819.0660 | 42-1 | 0.00000 |
| 42 | 0.51989 | SLU_SISMA_DOWN | Max | 0.0000 | 1255.8350 | 42-1 | 0.51989 |
| 42 | 1.03978 | SLU_SISMA_DOWN | Max | 0.0000 | 1684.5202 | 42-1 | 1.03978 |
| 42 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 0.00000 |
| 42 | 0.51989 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 0.51989 |
| 42 | 1.03978 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 | 1.03978 |
| 42 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 745.1561 | 42-1 | 0.00000 |
| 42 | 0.51989 | SLU_SISMA_UP | Max | 0.0000 | 1091.6723 | 42-1 | 0.51989 |
| 42 | 1.03978 | SLU_SISMA_UP | Max | 0.0000 | 1431.3024 | 42-1 | 1.03978 |
| 42 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 0.00000 |
| 42 | 0.51989 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 0.51989 |
| 42 | 1.03978 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 | 1.03978 |
| 43 | 0.00000 | SLE | Max | 0.0000 | 1307.8781 | 43-1 | 0.00000 |
| 43 | 0.41277 | SLE | Max | 0.0000 | 1369.2085 | 43-1 | 0.41277 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 43 | 0.82553 | SLE | Max | 0.0000 | 1425.4276 | 43-1 | 0.82553 |
| 43 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 43-1 | 0.00000 |
| 43 | 0.41277 | SLE | Min | 0.0000 | 0.0000 | 43-1 | 0.41277 |
| 43 | 0.82553 | SLE | Min | 0.0000 | 0.0000 | 43-1 | 0.82553 |
| 43 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 1493.0479 | 43-1 | 0.00000 |
| 43 | 0.41277 | SLE_SISMA_DOWN | Max | 0.0000 | 1527.5202 | 43-1 | 0.41277 |
| 43 | 0.82553 | SLE_SISMA_DOWN | Max | 0.0000 | 1556.7176 | 43-1 | 0.82553 |
| 43 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.00000 |
| 43 | 0.41277 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.41277 |
| 43 | 0.82553 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.82553 |
| 43 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 1379.2934 | 43-1 | 0.00000 |
| 43 | 0.41277 | SLE_SISMA_UP | Max | 0.0000 | 1409.4406 | 43-1 | 0.41277 |
| 43 | 0.82553 | SLE_SISMA_UP | Max | 0.0000 | 1434.7628 | 43-1 | 0.82553 |
| 43 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.00000 |
| 43 | 0.41277 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.41277 |
| 43 | 0.82553 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.82553 |
| 43 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 1684.5202 | 43-1 | 0.00000 |
| 43 | 0.41277 | SLU_SISMA_DOWN | Max | 0.0000 | 1685.2277 | 43-1 | 0.41277 |
| 43 | 0.82553 | SLU_SISMA_DOWN | Max | 0.0000 | 1680.4150 | 43-1 | 0.82553 |
| 43 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.00000 |
| 43 | 0.41277 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.41277 |
| 43 | 0.82553 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 | 0.82553 |
| 43 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 1431.3024 | 43-1 | 0.00000 |
| 43 | 0.41277 | SLU_SISMA_UP | Max | 0.0000 | 1424.2693 | 43-1 | 0.41277 |
| 43 | 0.82553 | SLU_SISMA_UP | Max | 0.0000 | 1412.5339 | 43-1 | 0.82553 |
| 43 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.00000 |
| 43 | 0.41277 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.41277 |
| 43 | 0.82553 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 | 0.82553 |
| 44 | 0.00000 | SLE | Max | 0.0000 | 1425.4276 | 44-1 | 0.00000 |
| 44 | 0.41277 | SLE | Max | 0.0000 | 1571.1756 | 44-1 | 0.41277 |
| 44 | 0.82553 | SLE | Max | 0.0000 | 1711.8122 | 44-1 | 0.82553 |
| 44 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 44-1 | 0.00000 |
| 44 | 0.41277 | SLE | Min | 0.0000 | 0.0000 | 44-1 | 0.41277 |
| 44 | 0.82553 | SLE | Min | 0.0000 | 0.0000 | 44-1 | 0.82553 |
| 44 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 1556.7176 | 44-1 | 0.00000 |
| 44 | 0.41277 | SLE_SISMA_DOWN | Max | 0.0000 | 1673.3536 | 44-1 | 0.41277 |
| 44 | 0.82553 | SLE_SISMA_DOWN | Max | 0.0000 | 1784.7147 | 44-1 | 0.82553 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 44 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.00000 |
| 44 | 0.41277 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.41277 |
| 44 | 0.82553 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.82553 |
| 44 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 1434.7628 | 44-1 | 0.00000 |
| 44 | 0.41277 | SLE_SISMA_UP | Max | 0.0000 | 1540.7571 | 44-1 | 0.41277 |
| 44 | 0.82553 | SLE_SISMA_UP | Max | 0.0000 | 1641.9263 | 44-1 | 0.82553 |
| 44 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.00000 |
| 44 | 0.41277 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.41277 |
| 44 | 0.82553 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.82553 |
| 44 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 1680.4150 | 44-1 | 0.00000 |
| 44 | 0.41277 | SLU_SISMA_DOWN | Max | 0.0000 | 1760.5577 | 44-1 | 0.41277 |
| 44 | 0.82553 | SLU_SISMA_DOWN | Max | 0.0000 | 1835.1803 | 44-1 | 0.82553 |
| 44 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.00000 |
| 44 | 0.41277 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.41277 |
| 44 | 0.82553 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 | 0.82553 |
| 44 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 1412.5339 | 44-1 | 0.00000 |
| 44 | 0.41277 | SLU_SISMA_UP | Max | 0.0000 | 1471.4262 | 44-1 | 0.41277 |
| 44 | 0.82553 | SLU_SISMA_UP | Max | 0.0000 | 1525.6162 | 44-1 | 0.82553 |
| 44 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.00000 |
| 44 | 0.41277 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.41277 |
| 44 | 0.82553 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 | 0.82553 |
| 45 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 0.93834 | SLE | Max | 0.0000 | 11.6195 | 45-1 | 0.93834 |
| 45 | 1.87669 | SLE | Max | 0.0000 | 2.665E-14 | 45-1 | 1.87669 |
| 45 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 0.93834 | SLE | Min | 0.0000 | 0.0000 | 45-1 | 0.93834 |
| 45 | 1.87669 | SLE | Min | 0.0000 | 0.0000 | 45-1 | 1.87669 |
| 45 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 0.93834 | SLE_SISMA_DOWN | Max | 0.0000 | 11.9914 | 45-1 | 0.93834 |
| 45 | 1.87669 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 | 1.87669 |
| 45 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 0.93834 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 0.93834 |
| 45 | 1.87669 | SLE_SISMA_DOWN | Min | 0.0000 | -1.776E-14 | 45-1 | 1.87669 |
| 45 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 0.93834 | SLE_SISMA_UP | Max | 0.0000 | 10.9688 | 45-1 | 0.93834 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 45 | 1.87669 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 | 1.87669 |
| 45 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 0.93834 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 0.93834 |
| 45 | 1.87669 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 1.87669 |
| 45 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 0.93834 | SLU_SISMA_DOWN | Max | 0.0000 | 12.5491 | 45-1 | 0.93834 |
| 45 | 1.87669 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 | 1.87669 |
| 45 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 0.93834 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 0.93834 |
| 45 | 1.87669 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 | 1.87669 |
| 45 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 0.93834 | SLU_SISMA_UP | Max | 0.0000 | 10.6900 | 45-1 | 0.93834 |
| 45 | 1.87669 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 | 1.87669 |
| 45 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 0.00000 |
| 45 | 0.93834 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 0.93834 |
| 45 | 1.87669 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 | 1.87669 |
| 46 | 0.00000 | SLE | Max | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 0.93833 | SLE | Max | 0.0000 | 11.6190 | 46-1 | 0.93833 |
| 46 | 1.87665 | SLE | Max | 0.0000 | 0.0000 | 46-1 | 1.87665 |
| 46 | 0.00000 | SLE | Min | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 0.93833 | SLE | Min | 0.0000 | 0.0000 | 46-1 | 0.93833 |
| 46 | 1.87665 | SLE | Min | 0.0000 | 0.0000 | 46-1 | 1.87665 |
| 46 | 0.00000 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 0.93833 | SLE_SISMA_DOWN | Max | 0.0000 | 11.9908 | 46-1 | 0.93833 |
| 46 | 1.87665 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 | 1.87665 |
| 46 | 0.00000 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 0.93833 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 0.93833 |
| 46 | 1.87665 | SLE_SISMA_DOWN | Min | 0.0000 | -8.882E-15 | 46-1 | 1.87665 |
| 46 | 0.00000 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 0.93833 | SLE_SISMA_UP | Max | 0.0000 | 10.9684 | 46-1 | 0.93833 |
| 46 | 1.87665 | SLE_SISMA_UP | Max | 0.0000 | 8.882E-15 | 46-1 | 1.87665 |
| 46 | 0.00000 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 0.93833 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 0.93833 |
| 46 | 1.87665 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 1.87665 |
| 46 | 0.00000 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 | 0.00000 |

**Table: Element Forces - Frames, Part 2 of 2**

| Frame | Station | OutputCase | StepType | M2 | M3 | FrameElem | ElemStation |
|---|---|---|---|---|---|---|---|
| | m | | | KN-m | KN-m | | m |
| 46 | 0.93833 | SLU_SISMA_DOWN | Max | 0.0000 | 12.5485 | 46-1 | 0.93833 |
| 46 | 1.87665 | SLU_SISMA_DOWN | Max | 0.0000 | 8.882E-15 | 46-1 | 1.87665 |
| 46 | 0.00000 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 0.93833 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 0.93833 |
| 46 | 1.87665 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 | 1.87665 |
| 46 | 0.00000 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 0.93833 | SLU_SISMA_UP | Max | 0.0000 | 10.6895 | 46-1 | 0.93833 |
| 46 | 1.87665 | SLU_SISMA_UP | Max | 0.0000 | 8.882E-15 | 46-1 | 1.87665 |
| 46 | 0.00000 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 0.00000 |
| 46 | 0.93833 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 0.93833 |
| 46 | 1.87665 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 | 1.87665 |

## Table: Element Joint Forces - Frames, Part 1 of 2

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 1 | 1 | SLE | NonStatic | Max | 1767.027 | 0.000 | 450.030 | 0.0000 |
| 1 | 2 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 2 | SLE | NonStatic | Min | -1885.189 | 0.000 | -392.152 | 0.0000 |
| 1 | 1 | SLE_SISMA_DOWN | NonStatic | Max | 1822.079 | 0.000 | 375.670 | 0.0000 |
| 1 | 2 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 2 | SLE_SISMA_DOWN | NonStatic | Min | -1951.278 | 0.000 | -315.940 | 0.0000 |
| 1 | 1 | SLE_SISMA_UP | NonStatic | Max | 1652.563 | 0.000 | 342.701 | 0.0000 |
| 1 | 2 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 2 | SLE_SISMA_UP | NonStatic | Min | -1781.761 | 0.000 | -288.064 | 0.0000 |
| 1 | 1 | SLU_SISMA_DOWN | NonStatic | Max | 1772.397 | 0.000 | 282.353 | 0.0000 |
| 1 | 2 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 2 | SLU_SISMA_DOWN | NonStatic | Min | -1941.537 | 0.000 | -219.845 | 0.0000 |
| 1 | 1 | SLU_SISMA_UP | NonStatic | Max | 1404.334 | 0.000 | 215.325 | 0.0000 |
| 1 | 2 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 1 | 1 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 1 | 2 | SLU_SISMA_UP | NonStatic | Min | -1573.474 | 0.000 | -162.077 | 0.0000 |
| 2 | 2 | SLE | NonStatic | Max | 0.000 | 0.000 | 1643.938 | 0.0000 |
| 2 | 3 | SLE | NonStatic | Max | 365.987 | 0.000 | 0.000 | 0.0000 |
| 2 | 2 | SLE | NonStatic | Min | -477.731 | 0.000 | 0.000 | 0.0000 |
| 2 | 3 | SLE | NonStatic | Min | 0.000 | 0.000 | -1595.162 | 0.0000 |
| 2 | 2 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1645.530 | 0.0000 |
| 2 | 3 | SLE_SISMA_DOWN | NonStatic | Max | 440.307 | 0.000 | 0.000 | 0.0000 |
| 2 | 2 | SLE_SISMA_DOWN | NonStatic | Min | -563.122 | 0.000 | 0.000 | 0.0000 |
| 2 | 3 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1595.193 | 0.0000 |
| 2 | 2 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1524.900 | 0.0000 |
| 2 | 3 | SLE_SISMA_UP | NonStatic | Max | 433.580 | 0.000 | 0.000 | 0.0000 |
| 2 | 2 | SLE_SISMA_UP | NonStatic | Min | -556.395 | 0.000 | 0.000 | 0.0000 |
| 2 | 3 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1478.856 | 0.0000 |
| 2 | 2 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1658.254 | 0.0000 |
| 2 | 3 | SLU_SISMA_DOWN | NonStatic | Max | 615.219 | 0.000 | 0.000 | 0.0000 |
| 2 | 2 | SLU_SISMA_DOWN | NonStatic | Min | -776.750 | 0.000 | 0.000 | 0.0000 |
| 2 | 3 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1605.576 | 0.0000 |
| 2 | 2 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1398.267 | 0.0000 |
| 2 | 3 | SLU_SISMA_UP | NonStatic | Max | 600.705 | 0.000 | 0.000 | 0.0000 |
| 2 | 2 | SLU_SISMA_UP | NonStatic | Min | -762.236 | 0.000 | 0.000 | 0.0000 |
| 2 | 3 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1353.393 | 0.0000 |
| 3 | 3 | SLE | NonStatic | Max | 0.000 | 0.000 | 1595.162 | 0.0000 |
| 3 | 4 | SLE | NonStatic | Max | 254.311 | 0.000 | 0.000 | 0.0000 |
| 3 | 3 | SLE | NonStatic | Min | -359.185 | 0.000 | 0.000 | 0.0000 |
| 3 | 4 | SLE | NonStatic | Min | 0.000 | 0.000 | -1552.315 | 0.0000 |
| 3 | 3 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1595.193 | 0.0000 |
| 3 | 4 | SLE_SISMA_DOWN | NonStatic | Max | 324.361 | 0.000 | 0.000 | 0.0000 |
| 3 | 3 | SLE_SISMA_DOWN | NonStatic | Min | -440.307 | 0.000 | 0.000 | 0.0000 |
| 3 | 4 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1550.975 | 0.0000 |
| 3 | 3 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1478.856 | 0.0000 |
| 3 | 4 | SLE_SISMA_UP | NonStatic | Max | 317.635 | 0.000 | 0.000 | 0.0000 |
| 3 | 3 | SLE_SISMA_UP | NonStatic | Min | -433.580 | 0.000 | 0.000 | 0.0000 |
| 3 | 4 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1438.408 | 0.0000 |
| 3 | 3 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1605.576 | 0.0000 |
| 3 | 4 | SLU_SISMA_DOWN | NonStatic | Max | 461.924 | 0.000 | 0.000 | 0.0000 |
| 3 | 3 | SLU_SISMA_DOWN | NonStatic | Min | -615.219 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 3 | 4 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1559.301 | 0.0000 |
| 3 | 3 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1353.393 | 0.0000 |
| 3 | 4 | SLU_SISMA_UP | NonStatic | Max | 447.410 | 0.000 | 0.000 | 0.0000 |
| 3 | 3 | SLU_SISMA_UP | NonStatic | Min | -600.705 | 0.000 | 0.000 | 0.0000 |
| 3 | 4 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1313.973 | 0.0000 |
| 4 | 4 | SLE | NonStatic | Max | 0.000 | 0.000 | 1552.315 | 0.0000 |
| 4 | 5 | SLE | NonStatic | Max | 148.802 | 0.000 | 0.000 | 0.0000 |
| 4 | 4 | SLE | NonStatic | Min | -246.883 | 0.000 | 0.000 | 0.0000 |
| 4 | 5 | SLE | NonStatic | Min | 0.000 | 0.000 | -1512.265 | 0.0000 |
| 4 | 4 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1550.975 | 0.0000 |
| 4 | 5 | SLE_SISMA_DOWN | NonStatic | Max | 215.209 | 0.000 | 0.000 | 0.0000 |
| 4 | 4 | SLE_SISMA_DOWN | NonStatic | Min | -324.361 | 0.000 | 0.000 | 0.0000 |
| 4 | 5 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1509.643 | 0.0000 |
| 4 | 4 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1438.408 | 0.0000 |
| 4 | 5 | SLE_SISMA_UP | NonStatic | Max | 208.482 | 0.000 | 0.000 | 0.0000 |
| 4 | 4 | SLE_SISMA_UP | NonStatic | Min | -317.635 | 0.000 | 0.000 | 0.0000 |
| 4 | 5 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1400.601 | 0.0000 |
| 4 | 4 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1559.301 | 0.0000 |
| 4 | 5 | SLU_SISMA_DOWN | NonStatic | Max | 316.774 | 0.000 | 0.000 | 0.0000 |
| 4 | 4 | SLU_SISMA_DOWN | NonStatic | Min | -461.924 | 0.000 | 0.000 | 0.0000 |
| 4 | 5 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1516.047 | 0.0000 |
| 4 | 4 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1313.973 | 0.0000 |
| 4 | 5 | SLU_SISMA_UP | NonStatic | Max | 302.260 | 0.000 | 0.000 | 0.0000 |
| 4 | 4 | SLU_SISMA_UP | NonStatic | Min | -447.410 | 0.000 | 0.000 | 0.0000 |
| 4 | 5 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1277.127 | 0.0000 |
| 5 | 5 | SLE | NonStatic | Max | 0.000 | 0.000 | 1512.265 | 0.0000 |
| 5 | 6 | SLE | NonStatic | Max | 26.229 | 0.000 | 0.000 | 0.0000 |
| 5 | 5 | SLE | NonStatic | Min | -144.985 | 0.000 | 0.000 | 0.0000 |
| 5 | 6 | SLE | NonStatic | Min | 0.000 | 0.000 | -1435.197 | 0.0000 |
| 5 | 5 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1509.643 | 0.0000 |
| 5 | 6 | SLE_SISMA_DOWN | NonStatic | Max | 81.868 | 0.000 | 0.000 | 0.0000 |
| 5 | 5 | SLE_SISMA_DOWN | NonStatic | Min | -215.209 | 0.000 | 0.000 | 0.0000 |
| 5 | 6 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1430.098 | 0.0000 |
| 5 | 5 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1400.601 | 0.0000 |
| 5 | 6 | SLE_SISMA_UP | NonStatic | Max | 75.141 | 0.000 | 0.000 | 0.0000 |
| 5 | 5 | SLE_SISMA_UP | NonStatic | Min | -208.482 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 5 | 6 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1327.288 | 0.0000 |
| 5 | 5 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1516.047 | 0.0000 |
| 5 | 6 | SLU_SISMA_DOWN | NonStatic | Max | 138.091 | 0.000 | 0.000 | 0.0000 |
| 5 | 5 | SLU_SISMA_DOWN | NonStatic | Min | -316.774 | 0.000 | 0.000 | 0.0000 |
| 5 | 6 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1432.801 | 0.0000 |
| 5 | 5 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1277.127 | 0.0000 |
| 5 | 6 | SLU_SISMA_UP | NonStatic | Max | 123.577 | 0.000 | 0.000 | 0.0000 |
| 5 | 5 | SLU_SISMA_UP | NonStatic | Min | -302.260 | 0.000 | 0.000 | 0.0000 |
| 5 | 6 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1206.225 | 0.0000 |
| 6 | 6 | SLE | NonStatic | Max | 0.000 | 0.000 | 1435.197 | 0.0000 |
| 6 | 7 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 6 | SLE | NonStatic | Min | -26.231 | 0.000 | 0.000 | 0.0000 |
| 6 | 7 | SLE | NonStatic | Min | -77.866 | 0.000 | -1311.783 | 0.0000 |
| 6 | 6 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1430.098 | 0.0000 |
| 6 | 7 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 6 | SLE_SISMA_DOWN | NonStatic | Min | -81.868 | 0.000 | 0.000 | 0.0000 |
| 6 | 7 | SLE_SISMA_DOWN | NonStatic | Min | -36.407 | 0.000 | -1302.713 | 0.0000 |
| 6 | 6 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1327.288 | 0.0000 |
| 6 | 7 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 6 | SLE_SISMA_UP | NonStatic | Min | -75.141 | 0.000 | 0.000 | 0.0000 |
| 6 | 7 | SLE_SISMA_UP | NonStatic | Min | -43.133 | 0.000 | -1209.292 | 0.0000 |
| 6 | 6 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1432.801 | 0.0000 |
| 6 | 7 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 6 | SLU_SISMA_DOWN | NonStatic | Min | -138.091 | 0.000 | 0.000 | 0.0000 |
| 6 | 7 | SLU_SISMA_DOWN | NonStatic | Min | -22.001 | 0.000 | -1299.492 | 0.0000 |
| 6 | 6 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1206.225 | 0.0000 |
| 6 | 7 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 6 | 6 | SLU_SISMA_UP | NonStatic | Min | -123.577 | 0.000 | 0.000 | 0.0000 |
| 6 | 7 | SLU_SISMA_UP | NonStatic | Min | -36.515 | 0.000 | -1092.695 | 0.0000 |
| 7 | 7 | SLE | NonStatic | Max | 77.863 | 0.000 | 1311.784 | 0.0000 |
| 7 | 8 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 7 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 8 | SLE | NonStatic | Min | -165.729 | 0.000 | -1148.106 | 0.0000 |
| 7 | 7 | SLE_SISMA_DOWN | NonStatic | Max | 36.407 | 0.000 | 1302.713 | 0.0000 |
| 7 | 8 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 7 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 7 | 8 | SLE_SISMA_DOWN | NonStatic | Min | -137.646 | 0.000 | -1133.770 | 0.0000 |
| 7 | 7 | SLE_SISMA_UP | NonStatic | Max | 43.133 | 0.000 | 1209.292 | 0.0000 |
| 7 | 8 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 7 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 8 | SLE_SISMA_UP | NonStatic | Min | -144.373 | 0.000 | -1052.599 | 0.0000 |
| 7 | 7 | SLU_SISMA_DOWN | NonStatic | Max | 22.001 | 0.000 | 1299.492 | 0.0000 |
| 7 | 8 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 7 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 8 | SLU_SISMA_DOWN | NonStatic | Min | -160.632 | 0.000 | -1122.692 | 0.0000 |
| 7 | 7 | SLU_SISMA_UP | NonStatic | Max | 36.515 | 0.000 | 1092.695 | 0.0000 |
| 7 | 8 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 7 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 7 | 8 | SLU_SISMA_UP | NonStatic | Min | -175.146 | 0.000 | -942.130 | 0.0000 |
| 8 | 8 | SLE | NonStatic | Max | 165.724 | 0.000 | 1148.108 | 0.0000 |
| 8 | 9 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 8 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 9 | SLE | NonStatic | Min | -237.237 | 0.000 | -970.019 | 0.0000 |
| 8 | 8 | SLE_SISMA_DOWN | NonStatic | Max | 137.646 | 0.000 | 1133.770 | 0.0000 |
| 8 | 9 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 8 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 9 | SLE_SISMA_DOWN | NonStatic | Min | -221.362 | 0.000 | -949.955 | 0.0000 |
| 8 | 8 | SLE_SISMA_UP | NonStatic | Max | 144.373 | 0.000 | 1052.599 | 0.0000 |
| 8 | 9 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 8 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 9 | SLE_SISMA_UP | NonStatic | Min | -228.089 | 0.000 | -881.846 | 0.0000 |
| 8 | 8 | SLU_SISMA_DOWN | NonStatic | Max | 160.632 | 0.000 | 1122.692 | 0.0000 |
| 8 | 9 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 8 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 9 | SLU_SISMA_DOWN | NonStatic | Min | -276.743 | 0.000 | -930.330 | 0.0000 |
| 8 | 8 | SLU_SISMA_UP | NonStatic | Max | 175.146 | 0.000 | 942.130 | 0.0000 |
| 8 | 9 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 8 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 8 | 9 | SLU_SISMA_UP | NonStatic | Min | -291.257 | 0.000 | -778.317 | 0.0000 |
| 9 | 9 | SLE | NonStatic | Max | 237.231 | 0.000 | 970.023 | 0.0000 |
| 9 | 10 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 9 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 9 | 10 | SLE | NonStatic | Min | -293.680 | 0.000 | -799.422 | 0.0000 |
| 9 | 9 | SLE_SISMA_DOWN | NonStatic | Max | 221.362 | 0.000 | 949.955 | 0.0000 |
| 9 | 10 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 9 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 10 | SLE_SISMA_DOWN | NonStatic | Min | -288.627 | 0.000 | -773.863 | 0.0000 |
| 9 | 9 | SLE_SISMA_UP | NonStatic | Max | 228.089 | 0.000 | 881.846 | 0.0000 |
| 9 | 10 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 9 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 10 | SLE_SISMA_UP | NonStatic | Min | -295.354 | 0.000 | -717.929 | 0.0000 |
| 9 | 9 | SLU_SISMA_DOWN | NonStatic | Max | 276.743 | 0.000 | 930.330 | 0.0000 |
| 9 | 10 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 9 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 10 | SLU_SISMA_DOWN | NonStatic | Min | -371.340 | 0.000 | -746.049 | 0.0000 |
| 9 | 9 | SLU_SISMA_UP | NonStatic | Max | 291.257 | 0.000 | 778.317 | 0.0000 |
| 9 | 10 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 9 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 9 | 10 | SLU_SISMA_UP | NonStatic | Min | -385.854 | 0.000 | -621.393 | 0.0000 |
| 10 | 10 | SLE | NonStatic | Max | 293.674 | 0.000 | 799.428 | 0.0000 |
| 10 | 11 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 10 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 11 | SLE | NonStatic | Min | -336.584 | 0.000 | -634.501 | 0.0000 |
| 10 | 10 | SLE_SISMA_DOWN | NonStatic | Max | 288.627 | 0.000 | 773.863 | 0.0000 |
| 10 | 11 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 10 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 11 | SLE_SISMA_DOWN | NonStatic | Min | -340.744 | 0.000 | -603.621 | 0.0000 |
| 10 | 10 | SLE_SISMA_UP | NonStatic | Max | 295.354 | 0.000 | 717.929 | 0.0000 |
| 10 | 11 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 10 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 11 | SLE_SISMA_UP | NonStatic | Min | -347.471 | 0.000 | -559.278 | 0.0000 |
| 10 | 10 | SLU_SISMA_DOWN | NonStatic | Max | 371.340 | 0.000 | 746.049 | 0.0000 |
| 10 | 11 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 10 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 11 | SLU_SISMA_DOWN | NonStatic | Min | -445.701 | 0.000 | -567.890 | 0.0000 |
| 10 | 10 | SLU_SISMA_UP | NonStatic | Max | 385.854 | 0.000 | 621.393 | 0.0000 |
| 10 | 11 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 10 | 10 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 10 | 11 | SLU_SISMA_UP | NonStatic | Min | -460.215 | 0.000 | -469.686 | 0.0000 |
| 11 | 11 | SLE | NonStatic | Max | 336.579 | 0.000 | 634.509 | 0.0000 |
| 11 | 12 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 11 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 12 | SLE | NonStatic | Min | -367.600 | 0.000 | -472.789 | 0.0000 |
| 11 | 11 | SLE_SISMA_DOWN | NonStatic | Max | 340.744 | 0.000 | 603.621 | 0.0000 |
| 11 | 12 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 11 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 12 | SLE_SISMA_DOWN | NonStatic | Min | -379.154 | 0.000 | -436.694 | 0.0000 |
| 11 | 11 | SLE_SISMA_UP | NonStatic | Max | 347.471 | 0.000 | 559.278 | 0.0000 |
| 11 | 12 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 11 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 12 | SLE_SISMA_UP | NonStatic | Min | -385.881 | 0.000 | -403.658 | 0.0000 |
| 11 | 11 | SLU_SISMA_DOWN | NonStatic | Max | 445.701 | 0.000 | 567.890 | 0.0000 |
| 11 | 12 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 11 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 12 | SLU_SISMA_DOWN | NonStatic | Min | -501.280 | 0.000 | -393.201 | 0.0000 |
| 11 | 11 | SLU_SISMA_UP | NonStatic | Max | 460.215 | 0.000 | 469.686 | 0.0000 |
| 11 | 12 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 11 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 11 | 12 | SLU_SISMA_UP | NonStatic | Min | -515.795 | 0.000 | -320.934 | 0.0000 |
| 12 | 12 | SLE | NonStatic | Max | 367.595 | 0.000 | 472.800 | 0.0000 |
| 12 | 13 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 12 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 13 | SLE | NonStatic | Min | -388.336 | 0.000 | -313.281 | 0.0000 |
| 12 | 12 | SLE_SISMA_DOWN | NonStatic | Max | 379.154 | 0.000 | 436.694 | 0.0000 |
| 12 | 13 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 12 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 13 | SLE_SISMA_DOWN | NonStatic | Min | -405.296 | 0.000 | -272.039 | 0.0000 |
| 12 | 12 | SLE_SISMA_UP | NonStatic | Max | 385.881 | 0.000 | 403.658 | 0.0000 |
| 12 | 13 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 12 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 13 | SLE_SISMA_UP | NonStatic | Min | -412.023 | 0.000 | -250.161 | 0.0000 |
| 12 | 12 | SLU_SISMA_DOWN | NonStatic | Max | 501.280 | 0.000 | 393.201 | 0.0000 |
| 12 | 13 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 12 | 12 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 13 | SLU_SISMA_DOWN | NonStatic | Min | -539.589 | 0.000 | -220.888 | 0.0000 |
| 12 | 12 | SLU_SISMA_UP | NonStatic | Max | 515.795 | 0.000 | 320.934 | 0.0000 |
| 12 | 13 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 12 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 12 | 13 | SLU_SISMA_UP | NonStatic | Min | -554.104 | 0.000 | -174.206 | 0.0000 |
| 13 | 13 | SLE | NonStatic | Max | 388.332 | 0.000 | 313.293 | 0.0000 |
| 13 | 14 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 13 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 14 | SLE | NonStatic | Min | -400.175 | 0.000 | -155.916 | 0.0000 |
| 13 | 13 | SLE_SISMA_DOWN | NonStatic | Max | 405.296 | 0.000 | 272.039 | 0.0000 |
| 13 | 14 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 13 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 14 | SLE_SISMA_DOWN | NonStatic | Min | -420.430 | 0.000 | -109.598 | 0.0000 |
| 13 | 13 | SLE_SISMA_UP | NonStatic | Max | 412.023 | 0.000 | 250.161 | 0.0000 |
| 13 | 14 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 13 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 14 | SLE_SISMA_UP | NonStatic | Min | -427.157 | 0.000 | -98.740 | 0.0000 |
| 13 | 13 | SLU_SISMA_DOWN | NonStatic | Max | 539.589 | 0.000 | 220.888 | 0.0000 |
| 13 | 14 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 13 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 14 | SLU_SISMA_DOWN | NonStatic | Min | -561.978 | 0.000 | -50.894 | 0.0000 |
| 13 | 13 | SLU_SISMA_UP | NonStatic | Max | 554.104 | 0.000 | 174.206 | 0.0000 |
| 13 | 14 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 13 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 13 | 14 | SLU_SISMA_UP | NonStatic | Min | -576.492 | 0.000 | -29.451 | 0.0000 |
| 14 | 14 | SLE | NonStatic | Max | 400.173 | 0.000 | 155.928 | 0.0000 |
| 14 | 15 | SLE | NonStatic | Max | 0.000 | 0.000 | 6.206E-03 | 0.0000 |
| 14 | 14 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 15 | SLE | NonStatic | Min | -404.014 | 0.000 | 0.000 | 0.0000 |
| 14 | 14 | SLE_SISMA_DOWN | NonStatic | Max | 420.430 | 0.000 | 109.598 | 0.0000 |
| 14 | 15 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 51.357 | 0.0000 |
| 14 | 14 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 15 | SLE_SISMA_DOWN | NonStatic | Min | -425.376 | 0.000 | 0.000 | 0.0000 |
| 14 | 14 | SLE_SISMA_UP | NonStatic | Max | 427.157 | 0.000 | 98.740 | 0.0000 |
| 14 | 15 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 51.288 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 14 | 14 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 15 | SLE_SISMA_UP | NonStatic | Min | -432.103 | 0.000 | 0.000 | 0.0000 |
| 14 | 14 | SLU_SISMA_DOWN | NonStatic | Max | 561.978 | 0.000 | 50.894 | 0.0000 |
| 14 | 15 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 117.546 | 0.0000 |
| 14 | 14 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 15 | SLU_SISMA_DOWN | NonStatic | Min | -569.333 | 0.000 | 0.000 | 0.0000 |
| 14 | 14 | SLU_SISMA_UP | NonStatic | Max | 576.492 | 0.000 | 29.451 | 0.0000 |
| 14 | 15 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 113.980 | 0.0000 |
| 14 | 14 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 14 | 15 | SLU_SISMA_UP | NonStatic | Min | -583.847 | 0.000 | 0.000 | 0.0000 |
| 15 | 15 | SLE | NonStatic | Max | 404.014 | 0.000 | 8.625E-03 | 0.0000 |
| 15 | 16 | SLE | NonStatic | Max | 0.000 | 0.000 | 155.924 | 0.0000 |
| 15 | 15 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 15 | 16 | SLE | NonStatic | Min | -400.173 | 0.000 | 0.000 | 0.0000 |
| 15 | 15 | SLE_SISMA_DOWN | NonStatic | Max | 425.376 | 0.000 | 0.000 | 0.0000 |
| 15 | 16 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 212.312 | 0.0000 |
| 15 | 15 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -51.357 | 0.0000 |
| 15 | 16 | SLE_SISMA_DOWN | NonStatic | Min | -422.640 | 0.000 | 0.000 | 0.0000 |
| 15 | 15 | SLE_SISMA_UP | NonStatic | Max | 432.103 | 0.000 | 0.000 | 0.0000 |
| 15 | 16 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 201.316 | 0.0000 |
| 15 | 15 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -51.288 | 0.0000 |
| 15 | 16 | SLE_SISMA_UP | NonStatic | Min | -429.367 | 0.000 | 0.000 | 0.0000 |
| 15 | 15 | SLU_SISMA_DOWN | NonStatic | Max | 569.333 | 0.000 | 0.000 | 0.0000 |
| 15 | 16 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 285.986 | 0.0000 |
| 15 | 15 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -117.546 | 0.0000 |
| 15 | 16 | SLU_SISMA_DOWN | NonStatic | Min | -567.479 | 0.000 | 0.000 | 0.0000 |
| 15 | 15 | SLU_SISMA_UP | NonStatic | Max | 583.847 | 0.000 | 0.000 | 0.0000 |
| 15 | 16 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 257.410 | 0.0000 |
| 15 | 15 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -113.980 | 0.0000 |
| 15 | 16 | SLU_SISMA_UP | NonStatic | Min | -581.993 | 0.000 | 0.000 | 0.0000 |
| 16 | 16 | SLE | NonStatic | Max | 400.175 | 0.000 | 0.000 | 0.0000 |
| 16 | 17 | SLE | NonStatic | Max | 0.000 | 0.000 | 313.288 | 0.0000 |
| 16 | 16 | SLE | NonStatic | Min | 0.000 | 0.000 | -155.912 | 0.0000 |
| 16 | 17 | SLE | NonStatic | Min | -388.332 | 0.000 | 0.000 | 0.0000 |
| 16 | 16 | SLE_SISMA_DOWN | NonStatic | Max | 422.640 | 0.000 | 0.000 | 0.0000 |
| 16 | 17 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 374.753 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 16 | 16 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -212.312 | 0.0000 |
| 16 | 17 | SLE_SISMA_DOWN | NonStatic | Min | -414.088 | 0.000 | 0.000 | 0.0000 |
| 16 | 16 | SLE_SISMA_UP | NonStatic | Max | 429.367 | 0.000 | 0.000 | 0.0000 |
| 16 | 17 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 352.737 | 0.0000 |
| 16 | 16 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -201.316 | 0.0000 |
| 16 | 17 | SLE_SISMA_UP | NonStatic | Min | -420.815 | 0.000 | 0.000 | 0.0000 |
| 16 | 16 | SLU_SISMA_DOWN | NonStatic | Max | 567.479 | 0.000 | 0.000 | 0.0000 |
| 16 | 17 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 455.981 | 0.0000 |
| 16 | 16 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -285.986 | 0.0000 |
| 16 | 17 | SLU_SISMA_DOWN | NonStatic | Min | -561.468 | 0.000 | 0.000 | 0.0000 |
| 16 | 16 | SLU_SISMA_UP | NonStatic | Max | 581.993 | 0.000 | 0.000 | 0.0000 |
| 16 | 17 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 402.165 | 0.0000 |
| 16 | 16 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -257.410 | 0.0000 |
| 16 | 17 | SLU_SISMA_UP | NonStatic | Min | -575.982 | 0.000 | 0.000 | 0.0000 |
| 17 | 17 | SLE | NonStatic | Max | 388.336 | 0.000 | 0.000 | 0.0000 |
| 17 | 18 | SLE | NonStatic | Max | 0.000 | 0.000 | 472.795 | 0.0000 |
| 17 | 17 | SLE | NonStatic | Min | 0.000 | 0.000 | -313.277 | 0.0000 |
| 17 | 18 | SLE | NonStatic | Min | -367.595 | 0.000 | 0.000 | 0.0000 |
| 17 | 17 | SLE_SISMA_DOWN | NonStatic | Max | 414.088 | 0.000 | 0.000 | 0.0000 |
| 17 | 18 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 539.408 | 0.0000 |
| 17 | 17 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -374.753 | 0.0000 |
| 17 | 18 | SLE_SISMA_DOWN | NonStatic | Min | -398.749 | 0.000 | 0.000 | 0.0000 |
| 17 | 17 | SLE_SISMA_UP | NonStatic | Max | 420.815 | 0.000 | 0.000 | 0.0000 |
| 17 | 18 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 506.234 | 0.0000 |
| 17 | 17 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -352.737 | 0.0000 |
| 17 | 18 | SLE_SISMA_UP | NonStatic | Min | -405.475 | 0.000 | 0.000 | 0.0000 |
| 17 | 17 | SLU_SISMA_DOWN | NonStatic | Max | 561.468 | 0.000 | 0.000 | 0.0000 |
| 17 | 18 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 628.293 | 0.0000 |
| 17 | 17 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -455.981 | 0.0000 |
| 17 | 18 | SLU_SISMA_DOWN | NonStatic | Min | -550.039 | 0.000 | 0.000 | 0.0000 |
| 17 | 17 | SLU_SISMA_UP | NonStatic | Max | 575.982 | 0.000 | 0.000 | 0.0000 |
| 17 | 18 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 548.893 | 0.0000 |
| 17 | 17 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -402.165 | 0.0000 |
| 17 | 18 | SLU_SISMA_UP | NonStatic | Min | -564.553 | 0.000 | 0.000 | 0.0000 |
| 18 | 18 | SLE | NonStatic | Max | 367.600 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 18 | 19 | SLE | NonStatic | Max | 0.000 | 0.000 | 634.505 | 0.0000 |
| 18 | 18 | SLE | NonStatic | Min | 0.000 | 0.000 | -472.785 | 0.0000 |
| 18 | 19 | SLE | NonStatic | Min | -336.579 | 0.000 | 0.000 | 0.0000 |
| 18 | 18 | SLE_SISMA_DOWN | NonStatic | Max | 398.749 | 0.000 | 0.000 | 0.0000 |
| 18 | 19 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 706.335 | 0.0000 |
| 18 | 18 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -539.408 | 0.0000 |
| 18 | 19 | SLE_SISMA_DOWN | NonStatic | Min | -375.116 | 0.000 | 0.000 | 0.0000 |
| 18 | 18 | SLE_SISMA_UP | NonStatic | Max | 405.475 | 0.000 | 0.000 | 0.0000 |
| 18 | 19 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 661.854 | 0.0000 |
| 18 | 18 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -506.234 | 0.0000 |
| 18 | 19 | SLE_SISMA_UP | NonStatic | Min | -381.843 | 0.000 | 0.000 | 0.0000 |
| 18 | 18 | SLU_SISMA_DOWN | NonStatic | Max | 550.039 | 0.000 | 0.000 | 0.0000 |
| 18 | 19 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 802.983 | 0.0000 |
| 18 | 18 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -628.293 | 0.0000 |
| 18 | 19 | SLU_SISMA_DOWN | NonStatic | Min | -531.230 | 0.000 | 0.000 | 0.0000 |
| 18 | 18 | SLU_SISMA_UP | NonStatic | Max | 564.553 | 0.000 | 0.000 | 0.0000 |
| 18 | 19 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 697.645 | 0.0000 |
| 18 | 18 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -548.893 | 0.0000 |
| 18 | 19 | SLU_SISMA_UP | NonStatic | Min | -545.744 | 0.000 | 0.000 | 0.0000 |
| 19 | 19 | SLE | NonStatic | Max | 336.584 | 0.000 | 0.000 | 0.0000 |
| 19 | 20 | SLE | NonStatic | Max | 0.000 | 0.000 | 799.424 | 0.0000 |
| 19 | 19 | SLE | NonStatic | Min | 0.000 | 0.000 | -634.497 | 0.0000 |
| 19 | 20 | SLE | NonStatic | Min | -293.674 | 0.000 | 0.000 | 0.0000 |
| 19 | 19 | SLE_SISMA_DOWN | NonStatic | Max | 375.116 | 0.000 | 0.000 | 0.0000 |
| 19 | 20 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 876.576 | 0.0000 |
| 19 | 19 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -706.335 | 0.0000 |
| 19 | 20 | SLE_SISMA_DOWN | NonStatic | Min | -341.413 | 0.000 | 0.000 | 0.0000 |
| 19 | 19 | SLE_SISMA_UP | NonStatic | Max | 381.843 | 0.000 | 0.000 | 0.0000 |
| 19 | 20 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 820.505 | 0.0000 |
| 19 | 19 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -661.854 | 0.0000 |
| 19 | 20 | SLE_SISMA_UP | NonStatic | Min | -348.140 | 0.000 | 0.000 | 0.0000 |
| 19 | 19 | SLU_SISMA_DOWN | NonStatic | Max | 531.230 | 0.000 | 0.000 | 0.0000 |
| 19 | 20 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 981.141 | 0.0000 |
| 19 | 19 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -802.983 | 0.0000 |
| 19 | 20 | SLU_SISMA_DOWN | NonStatic | Min | -502.691 | 0.000 | 0.000 | 0.0000 |
| 19 | 19 | SLU_SISMA_UP | NonStatic | Max | 545.744 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 19 | 20 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 849.352 | 0.0000 |
| 19 | 19 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -697.645 | 0.0000 |
| 19 | 20 | SLU_SISMA_UP | NonStatic | Min | -517.205 | 0.000 | 0.000 | 0.0000 |
| 20 | 20 | SLE | NonStatic | Max | 293.680 | 0.000 | 0.000 | 0.0000 |
| 20 | 21 | SLE | NonStatic | Max | 0.000 | 0.000 | 970.019 | 0.0000 |
| 20 | 20 | SLE | NonStatic | Min | 0.000 | 0.000 | -799.417 | 0.0000 |
| 20 | 21 | SLE | NonStatic | Min | -237.231 | 0.000 | 0.000 | 0.0000 |
| 20 | 20 | SLE_SISMA_DOWN | NonStatic | Max | 341.413 | 0.000 | 0.000 | 0.0000 |
| 20 | 21 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1052.669 | 0.0000 |
| 20 | 20 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -876.576 | 0.0000 |
| 20 | 21 | SLE_SISMA_DOWN | NonStatic | Min | -295.780 | 0.000 | 0.000 | 0.0000 |
| 20 | 20 | SLE_SISMA_UP | NonStatic | Max | 348.140 | 0.000 | 0.000 | 0.0000 |
| 20 | 21 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 984.422 | 0.0000 |
| 20 | 20 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -820.505 | 0.0000 |
| 20 | 21 | SLE_SISMA_UP | NonStatic | Min | -302.507 | 0.000 | 0.000 | 0.0000 |
| 20 | 20 | SLU_SISMA_DOWN | NonStatic | Max | 502.691 | 0.000 | 0.000 | 0.0000 |
| 20 | 21 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1165.422 | 0.0000 |
| 20 | 20 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -981.141 | 0.0000 |
| 20 | 21 | SLU_SISMA_DOWN | NonStatic | Min | -461.923 | 0.000 | 0.000 | 0.0000 |
| 20 | 20 | SLU_SISMA_UP | NonStatic | Max | 517.205 | 0.000 | 0.000 | 0.0000 |
| 20 | 21 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1006.276 | 0.0000 |
| 20 | 20 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -849.352 | 0.0000 |
| 20 | 21 | SLU_SISMA_UP | NonStatic | Min | -476.437 | 0.000 | 0.000 | 0.0000 |
| 21 | 21 | SLE | NonStatic | Max | 237.237 | 0.000 | 0.000 | 0.0000 |
| 21 | 22 | SLE | NonStatic | Max | 0.000 | 0.000 | 1148.104 | 0.0000 |
| 21 | 21 | SLE | NonStatic | Min | 0.000 | 0.000 | -970.015 | 0.0000 |
| 21 | 22 | SLE | NonStatic | Min | -165.724 | 0.000 | 0.000 | 0.0000 |
| 21 | 21 | SLE_SISMA_DOWN | NonStatic | Max | 295.780 | 0.000 | 0.000 | 0.0000 |
| 21 | 22 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1236.483 | 0.0000 |
| 21 | 21 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1052.669 | 0.0000 |
| 21 | 22 | SLE_SISMA_DOWN | NonStatic | Min | -236.471 | 0.000 | 0.000 | 0.0000 |
| 21 | 21 | SLE_SISMA_UP | NonStatic | Max | 302.507 | 0.000 | 0.000 | 0.0000 |
| 21 | 22 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1155.175 | 0.0000 |
| 21 | 21 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -984.422 | 0.0000 |
| 21 | 22 | SLE_SISMA_UP | NonStatic | Min | -243.198 | 0.000 | 0.000 | 0.0000 |
| 21 | 21 | SLU_SISMA_DOWN | NonStatic | Max | 461.923 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 21 | 22 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1357.785 | 0.0000 |
| 21 | 21 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1165.422 | 0.0000 |
| 21 | 22 | SLU_SISMA_DOWN | NonStatic | Min | -406.545 | 0.000 | 0.000 | 0.0000 |
| 21 | 21 | SLU_SISMA_UP | NonStatic | Max | 476.437 | 0.000 | 0.000 | 0.0000 |
| 21 | 22 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1170.089 | 0.0000 |
| 21 | 21 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1006.276 | 0.0000 |
| 21 | 22 | SLU_SISMA_UP | NonStatic | Min | -421.059 | 0.000 | 0.000 | 0.0000 |
| 22 | 22 | SLE | NonStatic | Max | 165.729 | 0.000 | 0.000 | 0.0000 |
| 22 | 23 | SLE | NonStatic | Max | 0.000 | 0.000 | 1311.780 | 0.0000 |
| 22 | 22 | SLE | NonStatic | Min | 0.000 | 0.000 | -1148.101 | 0.0000 |
| 22 | 23 | SLE | NonStatic | Min | -77.863 | 0.000 | 0.000 | 0.0000 |
| 22 | 22 | SLE_SISMA_DOWN | NonStatic | Max | 236.471 | 0.000 | 0.000 | 0.0000 |
| 22 | 23 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1405.426 | 0.0000 |
| 22 | 22 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1236.483 | 0.0000 |
| 22 | 23 | SLE_SISMA_DOWN | NonStatic | Min | -161.978 | 0.000 | 0.000 | 0.0000 |
| 22 | 22 | SLE_SISMA_UP | NonStatic | Max | 243.198 | 0.000 | 0.000 | 0.0000 |
| 22 | 23 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1311.868 | 0.0000 |
| 22 | 22 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1155.175 | 0.0000 |
| 22 | 23 | SLE_SISMA_UP | NonStatic | Min | -168.705 | 0.000 | 0.000 | 0.0000 |
| 22 | 22 | SLU_SISMA_DOWN | NonStatic | Max | 406.297 | 0.000 | 0.000 | 0.0000 |
| 22 | 23 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1534.695 | 0.0000 |
| 22 | 22 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1357.895 | 0.0000 |
| 22 | 23 | SLU_SISMA_DOWN | NonStatic | Min | -334.223 | 0.000 | 0.000 | 0.0000 |
| 22 | 22 | SLU_SISMA_UP | NonStatic | Max | 413.886 | 0.000 | 0.000 | 0.0000 |
| 22 | 23 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1323.845 | 0.0000 |
| 22 | 22 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1173.280 | 0.0000 |
| 22 | 23 | SLU_SISMA_UP | NonStatic | Min | -341.812 | 0.000 | 0.000 | 0.0000 |
| 23 | 23 | SLE | NonStatic | Max | 77.866 | 0.000 | 0.000 | 0.0000 |
| 23 | 24 | SLE | NonStatic | Max | 26.231 | 0.000 | 1435.193 | 0.0000 |
| 23 | 23 | SLE | NonStatic | Min | 0.000 | 0.000 | -1311.779 | 0.0000 |
| 23 | 24 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 23 | 23 | SLE_SISMA_DOWN | NonStatic | Max | 161.978 | 0.000 | 0.000 | 0.0000 |
| 23 | 24 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1532.811 | 0.0000 |
| 23 | 23 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1405.426 | 0.0000 |
| 23 | 24 | SLE_SISMA_DOWN | NonStatic | Min | -72.059 | 0.000 | 0.000 | 0.0000 |
| 23 | 23 | SLE_SISMA_UP | NonStatic | Max | 168.705 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 23 | 24 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1429.864 | 0.0000 |
| 23 | 23 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1311.868 | 0.0000 |
| 23 | 24 | SLE_SISMA_UP | NonStatic | Min | -78.786 | 0.000 | 0.000 | 0.0000 |
| 23 | 23 | SLU_SISMA_DOWN | NonStatic | Max | 305.121 | 0.000 | 0.000 | 0.0000 |
| 23 | 24 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1675.470 | 0.0000 |
| 23 | 23 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1542.161 | 0.0000 |
| 23 | 24 | SLU_SISMA_DOWN | NonStatic | Min | -215.587 | 0.000 | 0.000 | 0.0000 |
| 23 | 23 | SLU_SISMA_UP | NonStatic | Max | 305.119 | 0.000 | 0.000 | 0.0000 |
| 23 | 24 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1447.584 | 0.0000 |
| 23 | 23 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1334.054 | 0.0000 |
| 23 | 24 | SLU_SISMA_UP | NonStatic | Min | -215.585 | 0.000 | 0.000 | 0.0000 |
| 24 | 24 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 24 | 25 | SLE | NonStatic | Max | 144.988 | 0.000 | 1512.262 | 0.0000 |
| 24 | 24 | SLE | NonStatic | Min | -26.229 | 0.000 | -1435.192 | 0.0000 |
| 24 | 25 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 24 | 24 | SLE_SISMA_DOWN | NonStatic | Max | 51.261 | 0.000 | 0.000 | 0.0000 |
| 24 | 25 | SLE_SISMA_DOWN | NonStatic | Max | 52.912 | 0.000 | 1614.104 | 0.0000 |
| 24 | 24 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1534.556 | 0.0000 |
| 24 | 25 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 24 | 24 | SLE_SISMA_UP | NonStatic | Max | 57.364 | 0.000 | 0.000 | 0.0000 |
| 24 | 25 | SLE_SISMA_UP | NonStatic | Max | 46.808 | 0.000 | 1504.976 | 0.0000 |
| 24 | 24 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1431.661 | 0.0000 |
| 24 | 25 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 24 | 24 | SLU_SISMA_DOWN | NonStatic | Max | 131.098 | 0.000 | 0.000 | 0.0000 |
| 24 | 25 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1770.279 | 0.0000 |
| 24 | 24 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1687.032 | 0.0000 |
| 24 | 25 | SLU_SISMA_DOWN | NonStatic | Min | -25.000 | 0.000 | 0.000 | 0.0000 |
| 24 | 24 | SLU_SISMA_UP | NonStatic | Max | 128.476 | 0.000 | 0.000 | 0.0000 |
| 24 | 25 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1530.835 | 0.0000 |
| 24 | 24 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1459.931 | 0.0000 |
| 24 | 25 | SLU_SISMA_UP | NonStatic | Min | -22.378 | 0.000 | 0.000 | 0.0000 |
| 25 | 25 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 26 | SLE | NonStatic | Max | 246.887 | 0.000 | 1552.312 | 0.0000 |
| 25 | 25 | SLE | NonStatic | Min | -148.806 | 0.000 | -1512.262 | 0.0000 |
| 25 | 26 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 25 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 25 | 26 | SLE_SISMA_DOWN | NonStatic | Max | 184.388 | 0.000 | 1657.061 | 0.0000 |
| 25 | 25 | SLE_SISMA_DOWN | NonStatic | Min | -97.378 | 0.000 | -1615.730 | 0.0000 |
| 25 | 26 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 25 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 26 | SLE_SISMA_UP | NonStatic | Max | 178.642 | 0.000 | 1544.461 | 0.0000 |
| 25 | 25 | SLE_SISMA_UP | NonStatic | Min | -91.632 | 0.000 | -1506.654 | 0.0000 |
| 25 | 26 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 25 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 26 | SLU_SISMA_DOWN | NonStatic | Max | 173.352 | 0.000 | 1818.140 | 0.0000 |
| 25 | 25 | SLU_SISMA_DOWN | NonStatic | Min | -83.301 | 0.000 | -1774.885 | 0.0000 |
| 25 | 26 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 25 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 25 | 26 | SLU_SISMA_UP | NonStatic | Max | 173.297 | 0.000 | 1572.233 | 0.0000 |
| 25 | 25 | SLU_SISMA_UP | NonStatic | Min | -83.246 | 0.000 | -1535.387 | 0.0000 |
| 25 | 26 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 26 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 27 | SLE | NonStatic | Max | 359.189 | 0.000 | 1595.159 | 0.0000 |
| 26 | 26 | SLE | NonStatic | Min | -254.315 | 0.000 | -1552.312 | 0.0000 |
| 26 | 27 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 26 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 27 | SLE_SISMA_DOWN | NonStatic | Max | 326.214 | 0.000 | 1701.279 | 0.0000 |
| 26 | 26 | SLE_SISMA_DOWN | NonStatic | Min | -232.411 | 0.000 | -1657.061 | 0.0000 |
| 26 | 27 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 26 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 27 | SLE_SISMA_UP | NonStatic | Max | 319.997 | 0.000 | 1584.908 | 0.0000 |
| 26 | 26 | SLE_SISMA_UP | NonStatic | Min | -226.194 | 0.000 | -1544.461 | 0.0000 |
| 26 | 27 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 26 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 27 | SLU_SISMA_DOWN | NonStatic | Max | 373.638 | 0.000 | 1864.413 | 0.0000 |
| 26 | 26 | SLU_SISMA_DOWN | NonStatic | Min | -275.442 | 0.000 | -1818.139 | 0.0000 |
| 26 | 27 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 26 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 26 | 27 | SLU_SISMA_UP | NonStatic | Max | 369.666 | 0.000 | 1611.651 | 0.0000 |
| 26 | 26 | SLU_SISMA_UP | NonStatic | Min | -271.470 | 0.000 | -1572.232 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 26 | 27 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 27 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 28 | SLE | NonStatic | Max | 477.726 | 0.000 | 1643.933 | 0.0000 |
| 27 | 27 | SLE | NonStatic | Min | -365.987 | 0.000 | -1595.159 | 0.0000 |
| 27 | 28 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 27 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 28 | SLE_SISMA_DOWN | NonStatic | Max | 472.340 | 0.000 | 1751.614 | 0.0000 |
| 27 | 27 | SLE_SISMA_DOWN | NonStatic | Min | -371.673 | 0.000 | -1701.280 | 0.0000 |
| 27 | 28 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 27 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 28 | SLE_SISMA_UP | NonStatic | Max | 465.750 | 0.000 | 1630.951 | 0.0000 |
| 27 | 27 | SLE_SISMA_UP | NonStatic | Min | -365.082 | 0.000 | -1584.908 | 0.0000 |
| 27 | 28 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 27 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 28 | SLU_SISMA_DOWN | NonStatic | Max | 577.102 | 0.000 | 1917.090 | 0.0000 |
| 27 | 27 | SLU_SISMA_DOWN | NonStatic | Min | -470.674 | 0.000 | -1864.414 | 0.0000 |
| 27 | 28 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 27 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 27 | 28 | SLU_SISMA_UP | NonStatic | Max | 569.442 | 0.000 | 1656.524 | 0.0000 |
| 27 | 27 | SLU_SISMA_UP | NonStatic | Min | -463.015 | 0.000 | -1611.652 | 0.0000 |
| 27 | 28 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 28 | 28 | SLE | NonStatic | Max | 1885.182 | 0.000 | 0.000 | 0.0000 |
| 28 | 29 | SLE | NonStatic | Max | 0.000 | 0.000 | 450.012 | 0.0000 |
| 28 | 28 | SLE | NonStatic | Min | 0.000 | 0.000 | -392.134 | 0.0000 |
| 28 | 29 | SLE | NonStatic | Min | -1767.021 | 0.000 | 0.000 | 0.0000 |
| 28 | 28 | SLE_SISMA_DOWN | NonStatic | Max | 1861.189 | 0.000 | 0.000 | 0.0000 |
| 28 | 29 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 556.504 | 0.0000 |
| 28 | 28 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -496.774 | 0.0000 |
| 28 | 29 | SLE_SISMA_DOWN | NonStatic | Min | -1754.064 | 0.000 | 0.000 | 0.0000 |
| 28 | 28 | SLE_SISMA_UP | NonStatic | Max | 1692.389 | 0.000 | 0.000 | 0.0000 |
| 28 | 29 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 523.174 | 0.0000 |
| 28 | 28 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -468.538 | 0.0000 |
| 28 | 29 | SLE_SISMA_UP | NonStatic | Min | -1585.263 | 0.000 | 0.000 | 0.0000 |
| 28 | 28 | SLU_SISMA_DOWN | NonStatic | Max | 1755.627 | 0.000 | 0.000 | 0.0000 |
| 28 | 29 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 700.042 | 0.0000 |
| 28 | 28 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -637.534 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 28 | 29 | SLU_SISMA_DOWN | NonStatic | Min | -1641.413 | 0.000 | 0.000 | 0.0000 |
| 28 | 28 | SLU_SISMA_UP | NonStatic | Max | 1399.891 | 0.000 | 0.000 | 0.0000 |
| 28 | 29 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 623.900 | 0.0000 |
| 28 | 28 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -570.653 | 0.0000 |
| 28 | 29 | SLU_SISMA_UP | NonStatic | Min | -1285.677 | 0.000 | 0.000 | 0.0000 |
| 29 | 29 | SLE | NonStatic | Max | 1764.833 | 0.000 | 0.000 | 0.0000 |
| 29 | 30 | SLE | NonStatic | Max | 0.000 | 0.000 | 359.276 | 0.0000 |
| 29 | 29 | SLE | NonStatic | Min | 0.000 | 0.000 | -334.510 | 0.0000 |
| 29 | 30 | SLE | NonStatic | Min | -1764.833 | 0.000 | 0.000 | 0.0000 |
| 29 | 29 | SLE_SISMA_DOWN | NonStatic | Max | 1734.524 | 0.000 | 0.000 | 0.0000 |
| 29 | 30 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 455.930 | 0.0000 |
| 29 | 29 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -430.372 | 0.0000 |
| 29 | 30 | SLE_SISMA_DOWN | NonStatic | Min | -1734.524 | 0.000 | 0.000 | 0.0000 |
| 29 | 29 | SLE_SISMA_UP | NonStatic | Max | 1565.760 | 0.000 | 0.000 | 0.0000 |
| 29 | 30 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 429.370 | 0.0000 |
| 29 | 29 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -405.991 | 0.0000 |
| 29 | 30 | SLE_SISMA_UP | NonStatic | Min | -1565.760 | 0.000 | 0.000 | 0.0000 |
| 29 | 29 | SLU_SISMA_DOWN | NonStatic | Max | 1598.607 | 0.000 | 0.000 | 0.0000 |
| 29 | 30 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 585.548 | 0.0000 |
| 29 | 29 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -558.801 | 0.0000 |
| 29 | 30 | SLU_SISMA_DOWN | NonStatic | Min | -1598.607 | 0.000 | 0.000 | 0.0000 |
| 29 | 29 | SLU_SISMA_UP | NonStatic | Max | 1244.369 | 0.000 | 0.000 | 0.0000 |
| 29 | 30 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 524.116 | 0.0000 |
| 29 | 29 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -501.331 | 0.0000 |
| 29 | 30 | SLU_SISMA_UP | NonStatic | Min | -1244.369 | 0.000 | 0.000 | 0.0000 |
| 30 | 30 | SLE | NonStatic | Max | 1764.833 | 0.000 | 0.000 | 0.0000 |
| 30 | 31 | SLE | NonStatic | Max | 0.000 | 0.000 | 154.766 | 0.0000 |
| 30 | 30 | SLE | NonStatic | Min | 0.000 | 0.000 | -130.000 | 0.0000 |
| 30 | 31 | SLE | NonStatic | Min | -1764.833 | 0.000 | 0.000 | 0.0000 |
| 30 | 30 | SLE_SISMA_DOWN | NonStatic | Max | 1734.524 | 0.000 | 0.000 | 0.0000 |
| 30 | 31 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 232.792 | 0.0000 |
| 30 | 30 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -207.234 | 0.0000 |
| 30 | 31 | SLE_SISMA_DOWN | NonStatic | Min | -1734.524 | 0.000 | 0.000 | 0.0000 |
| 30 | 30 | SLE_SISMA_UP | NonStatic | Max | 1565.760 | 0.000 | 0.000 | 0.0000 |
| 30 | 31 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 221.760 | 0.0000 |
| 30 | 30 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -198.381 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 30 | 31 | SLE_SISMA_UP | NonStatic | Min | -1565.760 | 0.000 | 0.000 | 0.0000 |
| 30 | 30 | SLU_SISMA_DOWN | NonStatic | Max | 1598.607 | 0.000 | 0.000 | 0.0000 |
| 30 | 31 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 335.723 | 0.0000 |
| 30 | 30 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -308.976 | 0.0000 |
| 30 | 31 | SLU_SISMA_DOWN | NonStatic | Min | -1598.607 | 0.000 | 0.000 | 0.0000 |
| 30 | 30 | SLU_SISMA_UP | NonStatic | Max | 1244.369 | 0.000 | 0.000 | 0.0000 |
| 30 | 31 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 307.250 | 0.0000 |
| 30 | 30 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -284.466 | 0.0000 |
| 30 | 31 | SLU_SISMA_UP | NonStatic | Min | -1244.369 | 0.000 | 0.000 | 0.0000 |
| 31 | 31 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 32 | SLE | NonStatic | Max | 655.005 | 0.000 | 1257.942 | 0.0000 |
| 31 | 31 | SLE | NonStatic | Min | -655.005 | 0.000 | -1226.749 | 0.0000 |
| 31 | 32 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 31 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 32 | SLE_SISMA_DOWN | NonStatic | Max | 699.879 | 0.000 | 1315.548 | 0.0000 |
| 31 | 31 | SLE_SISMA_DOWN | NonStatic | Min | -699.879 | 0.000 | -1283.356 | 0.0000 |
| 31 | 32 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 31 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 32 | SLE_SISMA_UP | NonStatic | Max | 689.101 | 0.000 | 1222.500 | 0.0000 |
| 31 | 31 | SLE_SISMA_UP | NonStatic | Min | -689.101 | 0.000 | -1193.053 | 0.0000 |
| 31 | 32 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 31 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 32 | SLU_SISMA_DOWN | NonStatic | Max | 894.227 | 0.000 | 1410.134 | 0.0000 |
| 31 | 31 | SLU_SISMA_DOWN | NonStatic | Min | -894.227 | 0.000 | -1376.445 | 0.0000 |
| 31 | 32 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 31 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 31 | 32 | SLU_SISMA_UP | NonStatic | Max | 873.274 | 0.000 | 1212.368 | 0.0000 |
| 31 | 31 | SLU_SISMA_UP | NonStatic | Min | -873.274 | 0.000 | -1183.670 | 0.0000 |
| 31 | 32 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 32 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 33 | SLE | NonStatic | Max | 747.579 | 0.000 | 1041.975 | 0.0000 |
| 32 | 32 | SLE | NonStatic | Min | -747.579 | 0.000 | -1010.782 | 0.0000 |
| 32 | 33 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 32 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 33 | SLE_SISMA_DOWN | NonStatic | Max | 804.380 | 0.000 | 1068.907 | 0.0000 |
| 32 | 32 | SLE_SISMA_DOWN | NonStatic | Min | -804.380 | 0.000 | -1036.716 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 32 | 33 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 32 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 33 | SLE_SISMA_UP | NonStatic | Max | 786.560 | 0.000 | 991.918 | 0.0000 |
| 32 | 32 | SLE_SISMA_UP | NonStatic | Min | -786.560 | 0.000 | -962.472 | 0.0000 |
| 32 | 33 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 32 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 33 | SLU_SISMA_DOWN | NonStatic | Max | 1015.621 | 0.000 | 1120.117 | 0.0000 |
| 32 | 32 | SLU_SISMA_DOWN | NonStatic | Min | -1015.621 | 0.000 | -1086.428 | 0.0000 |
| 32 | 33 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 32 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 32 | 33 | SLU_SISMA_UP | NonStatic | Max | 979.548 | 0.000 | 957.716 | 0.0000 |
| 32 | 32 | SLU_SISMA_UP | NonStatic | Min | -979.548 | 0.000 | -929.018 | 0.0000 |
| 32 | 33 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 33 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 34 | SLE | NonStatic | Max | 822.401 | 0.000 | 819.384 | 0.0000 |
| 33 | 33 | SLE | NonStatic | Min | -822.401 | 0.000 | -788.190 | 0.0000 |
| 33 | 34 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 33 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 34 | SLE_SISMA_DOWN | NonStatic | Max | 887.396 | 0.000 | 819.728 | 0.0000 |
| 33 | 33 | SLE_SISMA_DOWN | NonStatic | Min | -887.396 | 0.000 | -787.537 | 0.0000 |
| 33 | 34 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 33 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 34 | SLE_SISMA_UP | NonStatic | Max | 863.908 | 0.000 | 759.220 | 0.0000 |
| 33 | 33 | SLE_SISMA_UP | NonStatic | Min | -863.908 | 0.000 | -729.773 | 0.0000 |
| 33 | 34 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 33 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 34 | SLU_SISMA_DOWN | NonStatic | Max | 1110.429 | 0.000 | 832.714 | 0.0000 |
| 33 | 33 | SLU_SISMA_DOWN | NonStatic | Min | -1110.429 | 0.000 | -799.025 | 0.0000 |
| 33 | 34 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 33 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 33 | 34 | SLU_SISMA_UP | NonStatic | Max | 1062.263 | 0.000 | 706.325 | 0.0000 |
| 33 | 33 | SLU_SISMA_UP | NonStatic | Min | -1062.263 | 0.000 | -677.627 | 0.0000 |
| 33 | 34 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 34 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 35 | SLE | NonStatic | Max | 878.793 | 0.000 | 592.378 | 0.0000 |
| 34 | 34 | SLE | NonStatic | Min | -878.793 | 0.000 | -561.185 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 34 | 35 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 34 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 35 | SLE_SISMA_DOWN | NonStatic | Max | 948.911 | 0.000 | 570.527 | 0.0000 |
| 34 | 34 | SLE_SISMA_DOWN | NonStatic | Min | -948.911 | 0.000 | -538.336 | 0.0000 |
| 34 | 35 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 34 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 35 | SLE_SISMA_UP | NonStatic | Max | 921.168 | 0.000 | 526.760 | 0.0000 |
| 34 | 34 | SLE_SISMA_UP | NonStatic | Min | -921.168 | 0.000 | -497.313 | 0.0000 |
| 34 | 35 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 34 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 35 | SLU_SISMA_DOWN | NonStatic | Max | 1179.468 | 0.000 | 550.915 | 0.0000 |
| 34 | 34 | SLU_SISMA_DOWN | NonStatic | Min | -1179.468 | 0.000 | -517.226 | 0.0000 |
| 34 | 35 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 34 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 34 | 35 | SLU_SISMA_UP | NonStatic | Max | 1122.276 | 0.000 | 460.844 | 0.0000 |
| 34 | 34 | SLU_SISMA_UP | NonStatic | Min | -1122.276 | 0.000 | -432.146 | 0.0000 |
| 34 | 35 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 35 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 36 | SLE | NonStatic | Max | 916.457 | 0.000 | 362.639 | 0.0000 |
| 35 | 35 | SLE | NonStatic | Min | -916.457 | 0.000 | -331.446 | 0.0000 |
| 35 | 36 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 35 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 36 | SLE_SISMA_DOWN | NonStatic | Max | 989.312 | 0.000 | 323.209 | 0.0000 |
| 35 | 35 | SLE_SISMA_DOWN | NonStatic | Min | -989.312 | 0.000 | -291.017 | 0.0000 |
| 35 | 36 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 35 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 36 | SLE_SISMA_UP | NonStatic | Max | 958.735 | 0.000 | 296.333 | 0.0000 |
| 35 | 35 | SLE_SISMA_UP | NonStatic | Min | -958.735 | 0.000 | -266.887 | 0.0000 |
| 35 | 36 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 35 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 36 | SLU_SISMA_DOWN | NonStatic | Max | 1223.996 | 0.000 | 277.019 | 0.0000 |
| 35 | 35 | SLU_SISMA_DOWN | NonStatic | Min | -1223.996 | 0.000 | -243.330 | 0.0000 |
| 35 | 36 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 35 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 35 | 36 | SLU_SISMA_UP | NonStatic | Max | 1160.827 | 0.000 | 223.343 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 35 | 35 | SLU_SISMA_UP | NonStatic | Min | -1160.827 | 0.000 | -194.646 | 0.0000 |
| 35 | 36 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 37 | SLE | NonStatic | Max | 935.298 | 0.000 | 131.446 | 0.0000 |
| 36 | 36 | SLE | NonStatic | Min | -935.298 | 0.000 | -100.256 | 0.0000 |
| 36 | 37 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 37 | SLE_SISMA_DOWN | NonStatic | Max | 1009.198 | 0.000 | 79.211 | 0.0000 |
| 36 | 36 | SLE_SISMA_DOWN | NonStatic | Min | -1009.198 | 0.000 | -47.023 | 0.0000 |
| 36 | 37 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 37 | SLE_SISMA_UP | NonStatic | Max | 977.206 | 0.000 | 69.307 | 0.0000 |
| 36 | 36 | SLE_SISMA_UP | NonStatic | Min | -977.206 | 0.000 | -39.863 | 0.0000 |
| 36 | 37 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 20.893 | 0.0000 |
| 36 | 37 | SLU_SISMA_DOWN | NonStatic | Max | 1245.515 | 0.000 | 12.793 | 0.0000 |
| 36 | 36 | SLU_SISMA_DOWN | NonStatic | Min | -1245.515 | 0.000 | 0.000 | 0.0000 |
| 36 | 37 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 33.249 | 0.0000 |
| 36 | 37 | SLU_SISMA_UP | NonStatic | Max | 1179.376 | 0.000 | 0.000 | 0.0000 |
| 36 | 36 | SLU_SISMA_UP | NonStatic | Min | -1179.376 | 0.000 | 0.000 | 0.0000 |
| 36 | 37 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -4.554 | 0.0000 |
| 37 | 37 | SLE | NonStatic | Max | 0.000 | 0.000 | 131.409 | 0.0000 |
| 37 | 38 | SLE | NonStatic | Max | 935.299 | 0.000 | 0.000 | 0.0000 |
| 37 | 37 | SLE | NonStatic | Min | -935.299 | 0.000 | 0.000 | 0.0000 |
| 37 | 38 | SLE | NonStatic | Min | 0.000 | 0.000 | -100.213 | 0.0000 |
| 37 | 37 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 192.564 | 0.0000 |
| 37 | 38 | SLE_SISMA_DOWN | NonStatic | Max | 1009.253 | 0.000 | 0.000 | 0.0000 |
| 37 | 37 | SLE_SISMA_DOWN | NonStatic | Min | -1009.253 | 0.000 | 0.000 | 0.0000 |
| 37 | 38 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -160.369 | 0.0000 |
| 37 | 37 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 182.718 | 0.0000 |
| 37 | 38 | SLE_SISMA_UP | NonStatic | Max | 977.261 | 0.000 | 0.000 | 0.0000 |
| 37 | 37 | SLE_SISMA_UP | NonStatic | Min | -977.261 | 0.000 | 0.000 | 0.0000 |
| 37 | 38 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -153.269 | 0.0000 |
| 37 | 37 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 274.088 | 0.0000 |
| 37 | 38 | SLU_SISMA_DOWN | NonStatic | Max | 1245.643 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 37 | 37 | SLU_SISMA_DOWN | NonStatic | Min | -1245.643 | 0.000 | 0.000 | 0.0000 |
| 37 | 38 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -240.396 | 0.0000 |
| 37 | 37 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 250.266 | 0.0000 |
| 37 | 38 | SLU_SISMA_UP | NonStatic | Max | 1179.500 | 0.000 | 0.000 | 0.0000 |
| 37 | 37 | SLU_SISMA_UP | NonStatic | Min | -1179.500 | 0.000 | 0.000 | 0.0000 |
| 37 | 38 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -221.565 | 0.0000 |
| 38 | 38 | SLE | NonStatic | Max | 0.000 | 0.000 | 362.624 | 0.0000 |
| 38 | 39 | SLE | NonStatic | Max | 916.460 | 0.000 | 0.000 | 0.0000 |
| 38 | 38 | SLE | NonStatic | Min | -916.460 | 0.000 | 0.000 | 0.0000 |
| 38 | 39 | SLE | NonStatic | Min | 0.000 | 0.000 | -331.430 | 0.0000 |
| 38 | 38 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 426.750 | 0.0000 |
| 38 | 39 | SLE_SISMA_DOWN | NonStatic | Max | 990.184 | 0.000 | 0.000 | 0.0000 |
| 38 | 38 | SLE_SISMA_DOWN | NonStatic | Min | -990.184 | 0.000 | 0.000 | 0.0000 |
| 38 | 39 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -394.558 | 0.0000 |
| 38 | 38 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 399.903 | 0.0000 |
| 38 | 39 | SLE_SISMA_UP | NonStatic | Max | 959.611 | 0.000 | 0.000 | 0.0000 |
| 38 | 38 | SLE_SISMA_UP | NonStatic | Min | -959.611 | 0.000 | 0.000 | 0.0000 |
| 38 | 39 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -370.456 | 0.0000 |
| 38 | 38 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 515.046 | 0.0000 |
| 38 | 39 | SLU_SISMA_DOWN | NonStatic | Max | 1226.054 | 0.000 | 0.000 | 0.0000 |
| 38 | 38 | SLU_SISMA_DOWN | NonStatic | Min | -1226.054 | 0.000 | 0.000 | 0.0000 |
| 38 | 39 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -481.357 | 0.0000 |
| 38 | 38 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 455.266 | 0.0000 |
| 38 | 39 | SLU_SISMA_UP | NonStatic | Max | 1162.848 | 0.000 | 0.000 | 0.0000 |
| 38 | 38 | SLU_SISMA_UP | NonStatic | Min | -1162.848 | 0.000 | 0.000 | 0.0000 |
| 38 | 39 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -426.568 | 0.0000 |
| 39 | 39 | SLE | NonStatic | Max | 0.000 | 0.000 | 592.364 | 0.0000 |
| 39 | 40 | SLE | NonStatic | Max | 878.798 | 0.000 | 0.000 | 0.0000 |
| 39 | 39 | SLE | NonStatic | Min | -878.798 | 0.000 | 0.000 | 0.0000 |
| 39 | 40 | SLE | NonStatic | Min | 0.000 | 0.000 | -561.170 | 0.0000 |
| 39 | 39 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 654.486 | 0.0000 |
| 39 | 40 | SLE_SISMA_DOWN | NonStatic | Max | 952.723 | 0.000 | 0.000 | 0.0000 |
| 39 | 39 | SLE_SISMA_DOWN | NonStatic | Min | -952.723 | 0.000 | 0.000 | 0.0000 |
| 39 | 40 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -622.294 | 0.0000 |
| 39 | 39 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 610.690 | 0.0000 |
| 39 | 40 | SLE_SISMA_UP | NonStatic | Max | 924.993 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 39 | 39 | SLE_SISMA_UP | NonStatic | Min | -924.993 | 0.000 | 0.000 | 0.0000 |
| 39 | 40 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -581.243 | 0.0000 |
| 39 | 39 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 742.563 | 0.0000 |
| 39 | 40 | SLU_SISMA_DOWN | NonStatic | Max | 1188.483 | 0.000 | 0.000 | 0.0000 |
| 39 | 39 | SLU_SISMA_DOWN | NonStatic | Min | -1188.483 | 0.000 | 0.000 | 0.0000 |
| 39 | 40 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -708.875 | 0.0000 |
| 39 | 39 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 647.135 | 0.0000 |
| 39 | 40 | SLU_SISMA_UP | NonStatic | Max | 1131.139 | 0.000 | 0.000 | 0.0000 |
| 39 | 39 | SLU_SISMA_UP | NonStatic | Min | -1131.139 | 0.000 | 0.000 | 0.0000 |
| 39 | 40 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -618.437 | 0.0000 |
| 40 | 40 | SLE | NonStatic | Max | 0.000 | 0.000 | 819.371 | 0.0000 |
| 40 | 41 | SLE | NonStatic | Max | 822.408 | 0.000 | 0.000 | 0.0000 |
| 40 | 40 | SLE | NonStatic | Min | -822.408 | 0.000 | 0.000 | 0.0000 |
| 40 | 41 | SLE | NonStatic | Min | 0.000 | 0.000 | -788.178 | 0.0000 |
| 40 | 40 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 874.533 | 0.0000 |
| 40 | 41 | SLE_SISMA_DOWN | NonStatic | Max | 897.692 | 0.000 | 0.000 | 0.0000 |
| 40 | 40 | SLE_SISMA_DOWN | NonStatic | Min | -897.692 | 0.000 | 0.000 | 0.0000 |
| 40 | 41 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -842.342 | 0.0000 |
| 40 | 40 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 813.912 | 0.0000 |
| 40 | 41 | SLE_SISMA_UP | NonStatic | Max | 874.237 | 0.000 | 0.000 | 0.0000 |
| 40 | 40 | SLE_SISMA_UP | NonStatic | Min | -874.237 | 0.000 | 0.000 | 0.0000 |
| 40 | 41 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -784.465 | 0.0000 |
| 40 | 40 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 955.333 | 0.0000 |
| 40 | 41 | SLU_SISMA_DOWN | NonStatic | Max | 1134.793 | 0.000 | 0.000 | 0.0000 |
| 40 | 40 | SLU_SISMA_DOWN | NonStatic | Min | -1134.793 | 0.000 | 0.000 | 0.0000 |
| 40 | 41 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -921.644 | 0.0000 |
| 40 | 40 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 824.705 | 0.0000 |
| 40 | 41 | SLU_SISMA_UP | NonStatic | Max | 1086.223 | 0.000 | 0.000 | 0.0000 |
| 40 | 40 | SLU_SISMA_UP | NonStatic | Min | -1086.223 | 0.000 | 0.000 | 0.0000 |
| 40 | 41 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -796.008 | 0.0000 |
| 41 | 41 | SLE | NonStatic | Max | 0.000 | 0.000 | 1041.965 | 0.0000 |
| 41 | 42 | SLE | NonStatic | Max | 747.587 | 0.000 | 0.000 | 0.0000 |
| 41 | 41 | SLE | NonStatic | Min | -747.587 | 0.000 | 0.000 | 0.0000 |
| 41 | 42 | SLE | NonStatic | Min | 0.000 | 0.000 | -1010.771 | 0.0000 |
| 41 | 41 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1085.287 | 0.0000 |
| 41 | 42 | SLE_SISMA_DOWN | NonStatic | Max | 826.128 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 41 | 41 | SLE_SISMA_DOWN | NonStatic | Min | -826.128 | 0.000 | 0.000 | 0.0000 |
| 41 | 42 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1053.095 | 0.0000 |
| 41 | 41 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1008.075 | 0.0000 |
| 41 | 42 | SLE_SISMA_UP | NonStatic | Max | 808.374 | 0.000 | 0.000 | 0.0000 |
| 41 | 41 | SLE_SISMA_UP | NonStatic | Min | -808.374 | 0.000 | 0.000 | 0.0000 |
| 41 | 42 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -978.629 | 0.0000 |
| 41 | 41 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1151.788 | 0.0000 |
| 41 | 42 | SLU_SISMA_DOWN | NonStatic | Max | 1067.084 | 0.000 | 0.000 | 0.0000 |
| 41 | 41 | SLU_SISMA_DOWN | NonStatic | Min | -1067.084 | 0.000 | 0.000 | 0.0000 |
| 41 | 42 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1118.099 | 0.0000 |
| 41 | 41 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 986.632 | 0.0000 |
| 41 | 42 | SLU_SISMA_UP | NonStatic | Max | 1030.162 | 0.000 | 0.000 | 0.0000 |
| 41 | 41 | SLU_SISMA_UP | NonStatic | Min | -1030.162 | 0.000 | 0.000 | 0.0000 |
| 41 | 42 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -957.935 | 0.0000 |
| 42 | 42 | SLE | NonStatic | Max | 0.000 | 0.000 | 1257.934 | 0.0000 |
| 42 | 43 | SLE | NonStatic | Max | 655.014 | 0.000 | 0.000 | 0.0000 |
| 42 | 42 | SLE | NonStatic | Min | -655.014 | 0.000 | 0.000 | 0.0000 |
| 42 | 43 | SLE | NonStatic | Min | 0.000 | 0.000 | -1226.741 | 0.0000 |
| 42 | 42 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1284.686 | 0.0000 |
| 42 | 43 | SLE_SISMA_DOWN | NonStatic | Max | 739.451 | 0.000 | 0.000 | 0.0000 |
| 42 | 42 | SLE_SISMA_DOWN | NonStatic | Min | -739.451 | 0.000 | 0.000 | 0.0000 |
| 42 | 43 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1252.495 | 0.0000 |
| 42 | 42 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1191.283 | 0.0000 |
| 42 | 43 | SLE_SISMA_UP | NonStatic | Max | 728.791 | 0.000 | 0.000 | 0.0000 |
| 42 | 42 | SLE_SISMA_UP | NonStatic | Min | -728.791 | 0.000 | 0.000 | 0.0000 |
| 42 | 43 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1161.837 | 0.0000 |
| 42 | 42 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1330.045 | 0.0000 |
| 42 | 43 | SLU_SISMA_DOWN | NonStatic | Max | 987.853 | 0.000 | 0.000 | 0.0000 |
| 42 | 42 | SLU_SISMA_DOWN | NonStatic | Min | -987.853 | 0.000 | 0.000 | 0.0000 |
| 42 | 43 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1296.356 | 0.0000 |
| 42 | 42 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1131.363 | 0.0000 |
| 42 | 43 | SLU_SISMA_UP | NonStatic | Max | 965.353 | 0.000 | 0.000 | 0.0000 |
| 42 | 42 | SLU_SISMA_UP | NonStatic | Min | -965.353 | 0.000 | 0.000 | 0.0000 |
| 42 | 43 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1102.665 | 0.0000 |
| 43 | 43 | SLE | NonStatic | Max | 1764.839 | 0.000 | 154.775 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 43 | 44 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 43 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 44 | SLE | NonStatic | Min | -1764.839 | 0.000 | -130.009 | 0.0000 |
| 43 | 43 | SLE_SISMA_DOWN | NonStatic | Max | 1822.079 | 0.000 | 89.905 | 0.0000 |
| 43 | 44 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 43 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 44 | SLE_SISMA_DOWN | NonStatic | Min | -1822.079 | 0.000 | -64.346 | 0.0000 |
| 43 | 43 | SLE_SISMA_UP | NonStatic | Max | 1652.563 | 0.000 | 78.882 | 0.0000 |
| 43 | 44 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 43 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 44 | SLE_SISMA_UP | NonStatic | Min | -1652.563 | 0.000 | -55.503 | 0.0000 |
| 43 | 43 | SLU_SISMA_DOWN | NonStatic | Max | 1772.397 | 0.000 | 8.401 | 0.0000 |
| 43 | 44 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 18.347 | 0.0000 |
| 43 | 43 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 43 | 44 | SLU_SISMA_DOWN | NonStatic | Min | -1772.397 | 0.000 | 0.000 | 0.0000 |
| 43 | 43 | SLU_SISMA_UP | NonStatic | Max | 1404.334 | 0.000 | 0.000 | 0.0000 |
| 43 | 44 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 34.127 | 0.0000 |
| 43 | 43 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -11.343 | 0.0000 |
| 43 | 44 | SLU_SISMA_UP | NonStatic | Min | -1404.334 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLE | NonStatic | Max | 1764.839 | 0.000 | 359.291 | 0.0000 |
| 44 | 1 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 1 | SLE | NonStatic | Min | -1764.839 | 0.000 | -334.525 | 0.0000 |
| 44 | 44 | SLE_SISMA_DOWN | NonStatic | Max | 1822.079 | 0.000 | 288.960 | 0.0000 |
| 44 | 1 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 1 | SLE_SISMA_DOWN | NonStatic | Min | -1822.079 | 0.000 | -263.402 | 0.0000 |
| 44 | 44 | SLE_SISMA_UP | NonStatic | Max | 1652.563 | 0.000 | 262.634 | 0.0000 |
| 44 | 1 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 1 | SLE_SISMA_UP | NonStatic | Min | -1652.563 | 0.000 | -239.255 | 0.0000 |
| 44 | 44 | SLU_SISMA_DOWN | NonStatic | Max | 1772.397 | 0.000 | 200.846 | 0.0000 |
| 44 | 1 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 1 | SLU_SISMA_DOWN | NonStatic | Min | -1772.397 | 0.000 | -174.099 | 0.0000 |
| 44 | 44 | SLU_SISMA_UP | NonStatic | Max | 1404.334 | 0.000 | 148.373 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 44 | 1 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 44 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 44 | 1 | SLU_SISMA_UP | NonStatic | Min | -1404.334 | 0.000 | -125.588 | 0.0000 |
| 45 | 2 | SLE | NonStatic | Max | 2368.742 | 0.000 | 0.000 | 0.0000 |
| 45 | 43 | SLE | NonStatic | Max | 0.000 | 0.000 | 1308.087 | 0.0000 |
| 45 | 2 | SLE | NonStatic | Min | 0.000 | 0.000 | -1251.786 | 0.0000 |
| 45 | 43 | SLE | NonStatic | Min | -2368.742 | 0.000 | 0.000 | 0.0000 |
| 45 | 2 | SLE_SISMA_DOWN | NonStatic | Max | 2514.400 | 0.000 | 0.000 | 0.0000 |
| 45 | 43 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1387.693 | 0.0000 |
| 45 | 2 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1329.591 | 0.0000 |
| 45 | 43 | SLE_SISMA_DOWN | NonStatic | Min | -2514.400 | 0.000 | 0.000 | 0.0000 |
| 45 | 2 | SLE_SISMA_UP | NonStatic | Max | 2338.157 | 0.000 | 0.000 | 0.0000 |
| 45 | 43 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1289.984 | 0.0000 |
| 45 | 2 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1236.836 | 0.0000 |
| 45 | 43 | SLE_SISMA_UP | NonStatic | Min | -2338.157 | 0.000 | 0.000 | 0.0000 |
| 45 | 2 | SLU_SISMA_DOWN | NonStatic | Max | 2718.288 | 0.000 | 0.000 | 0.0000 |
| 45 | 43 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 1499.214 | 0.0000 |
| 45 | 2 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | -1438.409 | 0.0000 |
| 45 | 43 | SLU_SISMA_DOWN | NonStatic | Min | -2718.288 | 0.000 | 0.000 | 0.0000 |
| 45 | 2 | SLU_SISMA_UP | NonStatic | Max | 2335.710 | 0.000 | 0.000 | 0.0000 |
| 45 | 43 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 1287.986 | 0.0000 |
| 45 | 2 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | -1236.190 | 0.0000 |
| 45 | 43 | SLU_SISMA_UP | NonStatic | Min | -2335.710 | 0.000 | 0.000 | 0.0000 |
| 46 | 28 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 31 | SLE | NonStatic | Max | 2368.726 | 0.000 | 1308.099 | 0.0000 |
| 46 | 28 | SLE | NonStatic | Min | -2368.726 | 0.000 | -1251.799 | 0.0000 |
| 46 | 31 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 28 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 31 | SLE_SISMA_DOWN | NonStatic | Max | 2376.022 | 0.000 | 1312.942 | 0.0000 |
| 46 | 28 | SLE_SISMA_DOWN | NonStatic | Min | -2376.022 | 0.000 | -1254.841 | 0.0000 |
| 46 | 31 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 28 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 31 | SLE_SISMA_UP | NonStatic | Max | 2200.389 | 0.000 | 1215.560 | 0.0000 |
| 46 | 28 | SLE_SISMA_UP | NonStatic | Min | -2200.389 | 0.000 | -1162.414 | 0.0000 |
| 46 | 31 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 28 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |

**Table: Element Joint Forces - Frames, Part 1 of 2**

| Frame | Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 |
|---|---|---|---|---|---|---|---|---|
| | | | | | KN | KN | KN | KN-m |
| 46 | 31 | SLU_SISMA_DOWN | NonStatic | Max | 2424.263 | 0.000 | 1340.360 | 0.0000 |
| 46 | 28 | SLU_SISMA_DOWN | NonStatic | Min | -2424.263 | 0.000 | -1279.557 | 0.0000 |
| 46 | 31 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 28 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 |
| 46 | 31 | SLU_SISMA_UP | NonStatic | Max | 2057.487 | 0.000 | 1137.667 | 0.0000 |
| 46 | 28 | SLU_SISMA_UP | NonStatic | Min | -2057.487 | 0.000 | -1085.872 | 0.0000 |
| 46 | 31 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 |

## Table: Element Joint Forces - Frames, Part 2 of 2

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 1 | 1 | SLE | Max | 0.0000 | 0.0000 | 1-1 |
| 1 | 2 | SLE | Max | 3340.9678 | 0.0000 | 1-1 |
| 1 | 1 | SLE | Min | -1711.8122 | 0.0000 | 1-1 |
| 1 | 2 | SLE | Min | 0.0000 | 0.0000 | 1-1 |
| 1 | 1 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 1-1 |
| 1 | 2 | SLE_SISMA_DOWN | Max | 3467.9076 | 0.0000 | 1-1 |
| 1 | 1 | SLE_SISMA_DOWN | Min | -1784.7147 | 0.0000 | 1-1 |
| 1 | 2 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 |
| 1 | 1 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 1-1 |
| 1 | 2 | SLE_SISMA_UP | Max | 3173.8860 | 0.0000 | 1-1 |
| 1 | 1 | SLE_SISMA_UP | Min | -1641.9263 | 0.0000 | 1-1 |
| 1 | 2 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 |
| 1 | 1 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 1-1 |
| 1 | 2 | SLU_SISMA_DOWN | Max | 3491.8666 | 0.0000 | 1-1 |
| 1 | 1 | SLU_SISMA_DOWN | Min | -1835.1803 | 0.0000 | 1-1 |
| 1 | 2 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 1-1 |
| 1 | 1 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 1-1 |
| 1 | 2 | SLU_SISMA_UP | Max | 2853.9365 | 0.0000 | 1-1 |
| 1 | 1 | SLU_SISMA_UP | Min | -1525.6162 | 0.0000 | 1-1 |
| 1 | 2 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 1-1 |
| 2 | 2 | SLE | Max | 0.0000 | 0.0000 | 2-1 |
| 2 | 3 | SLE | Max | 2963.4142 | 0.0000 | 2-1 |
| 2 | 2 | SLE | Min | -3340.9678 | 0.0000 | 2-1 |
| 2 | 3 | SLE | Min | 0.0000 | 0.0000 | 2-1 |
| 2 | 2 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 2-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 2 | 3 | SLE_SISMA_DOWN | Max | 3018.8855 | 0.0000 | 2-1 |
| 2 | 2 | SLE_SISMA_DOWN | Min | -3467.9076 | 0.0000 | 2-1 |
| 2 | 3 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 |
| 2 | 2 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 2-1 |
| 2 | 3 | SLE_SISMA_UP | Max | 2730.8841 | 0.0000 | 2-1 |
| 2 | 2 | SLE_SISMA_UP | Min | -3173.8860 | 0.0000 | 2-1 |
| 2 | 3 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 |
| 2 | 2 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 2-1 |
| 2 | 3 | SLU_SISMA_DOWN | Max | 2868.9774 | 0.0000 | 2-1 |
| 2 | 2 | SLU_SISMA_DOWN | Min | -3491.8666 | 0.0000 | 2-1 |
| 2 | 3 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 2-1 |
| 2 | 2 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 2-1 |
| 2 | 3 | SLU_SISMA_UP | Max | 2244.0372 | 0.0000 | 2-1 |
| 2 | 2 | SLU_SISMA_UP | Min | -2853.9365 | 0.0000 | 2-1 |
| 2 | 3 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 2-1 |
| 3 | 3 | SLE | Max | 0.0000 | 0.0000 | 3-1 |
| 3 | 4 | SLE | Max | 2688.8820 | 0.0000 | 3-1 |
| 3 | 3 | SLE | Min | -2963.4142 | 0.0000 | 3-1 |
| 3 | 4 | SLE | Min | 0.0000 | 0.0000 | 3-1 |
| 3 | 3 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 3-1 |
| 3 | 4 | SLE_SISMA_DOWN | Max | 2676.7058 | 0.0000 | 3-1 |
| 3 | 3 | SLE_SISMA_DOWN | Min | -3018.8855 | 0.0000 | 3-1 |
| 3 | 4 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 |
| 3 | 3 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 3-1 |
| 3 | 4 | SLE_SISMA_UP | Max | 2394.7247 | 0.0000 | 3-1 |
| 3 | 3 | SLE_SISMA_UP | Min | -2730.8841 | 0.0000 | 3-1 |
| 3 | 4 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 |
| 3 | 3 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 3-1 |
| 3 | 4 | SLU_SISMA_DOWN | Max | 2386.9691 | 0.0000 | 3-1 |
| 3 | 3 | SLU_SISMA_DOWN | Min | -2868.9774 | 0.0000 | 3-1 |
| 3 | 4 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 3-1 |
| 3 | 3 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 3-1 |
| 3 | 4 | SLU_SISMA_UP | Max | 1775.0188 | 0.0000 | 3-1 |
| 3 | 3 | SLU_SISMA_UP | Min | -2244.0372 | 0.0000 | 3-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 3 | 4 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 3-1 |
| 4 | 4 | SLE | Max | 0.0000 | 0.0000 | 4-1 |
| 4 | 5 | SLE | Max | 2511.8175 | 0.0000 | 4-1 |
| 4 | 4 | SLE | Min | -2688.8820 | 0.0000 | 4-1 |
| 4 | 5 | SLE | Min | 0.0000 | 0.0000 | 4-1 |
| 4 | 4 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 4-1 |
| 4 | 5 | SLE_SISMA_DOWN | Max | 2435.2547 | 0.0000 | 4-1 |
| 4 | 4 | SLE_SISMA_DOWN | Min | -2676.7058 | 0.0000 | 4-1 |
| 4 | 5 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 |
| 4 | 4 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 4-1 |
| 4 | 5 | SLE_SISMA_UP | Max | 2159.2939 | 0.0000 | 4-1 |
| 4 | 4 | SLE_SISMA_UP | Min | -2394.7247 | 0.0000 | 4-1 |
| 4 | 5 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 |
| 4 | 4 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 4-1 |
| 4 | 5 | SLU_SISMA_DOWN | Max | 2038.5111 | 0.0000 | 4-1 |
| 4 | 4 | SLU_SISMA_DOWN | Min | -2386.9691 | 0.0000 | 4-1 |
| 4 | 5 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 4-1 |
| 4 | 4 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 4-1 |
| 4 | 5 | SLU_SISMA_UP | Max | 1439.5506 | 0.0000 | 4-1 |
| 4 | 4 | SLU_SISMA_UP | Min | -1775.0188 | 0.0000 | 4-1 |
| 4 | 5 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 4-1 |
| 5 | 5 | SLE | Max | 0.0000 | 0.0000 | 5-1 |
| 5 | 6 | SLE | Max | 2265.0680 | 0.0000 | 5-1 |
| 5 | 5 | SLE | Min | -2511.8175 | 0.0000 | 5-1 |
| 5 | 6 | SLE | Min | 0.0000 | 0.0000 | 5-1 |
| 5 | 5 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 |
| 5 | 6 | SLE_SISMA_DOWN | Max | 2114.6868 | 0.0000 | 5-1 |
| 5 | 5 | SLE_SISMA_DOWN | Min | -2435.2547 | 0.0000 | 5-1 |
| 5 | 6 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 5-1 |
| 5 | 5 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 |
| 5 | 6 | SLE_SISMA_UP | Max | 1857.1381 | 0.0000 | 5-1 |
| 5 | 5 | SLE_SISMA_UP | Min | -2159.2939 | 0.0000 | 5-1 |
| 5 | 6 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 5-1 |
| 5 | 5 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 5-1 |
| 5 | 6 | SLU_SISMA_DOWN | Max | 1624.4702 | 0.0000 | 5-1 |
| 5 | 5 | SLU_SISMA_DOWN | Min | -2038.5111 | 0.0000 | 5-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 5 | 6 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 5-1 |
| 5 | 5 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 5-1 |
| 5 | 6 | SLU_SISMA_UP | Max | 1065.6513 | 0.0000 | 5-1 |
| 5 | 5 | SLU_SISMA_UP | Min | -1439.5506 | 0.0000 | 5-1 |
| 5 | 6 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 5-1 |
| 6 | 6 | SLE | Max | 0.0000 | 0.0000 | 6-1 |
| 6 | 7 | SLE | Max | 1890.5385 | 0.0000 | 6-1 |
| 6 | 6 | SLE | Min | -2265.0680 | 0.0000 | 6-1 |
| 6 | 7 | SLE | Min | 0.0000 | 0.0000 | 6-1 |
| 6 | 6 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 |
| 6 | 7 | SLE_SISMA_DOWN | Max | 1686.5914 | 0.0000 | 6-1 |
| 6 | 6 | SLE_SISMA_DOWN | Min | -2114.6868 | 0.0000 | 6-1 |
| 6 | 7 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 6-1 |
| 6 | 6 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 |
| 6 | 7 | SLE_SISMA_UP | Max | 1465.6248 | 0.0000 | 6-1 |
| 6 | 6 | SLE_SISMA_UP | Min | -1857.1381 | 0.0000 | 6-1 |
| 6 | 7 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 6-1 |
| 6 | 6 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 6-1 |
| 6 | 7 | SLU_SISMA_DOWN | Max | 1155.9646 | 0.0000 | 6-1 |
| 6 | 6 | SLU_SISMA_DOWN | Min | -1624.4702 | 0.0000 | 6-1 |
| 6 | 7 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 6-1 |
| 6 | 6 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 6-1 |
| 6 | 7 | SLU_SISMA_UP | Max | 677.5361 | 0.0000 | 6-1 |
| 6 | 6 | SLU_SISMA_UP | Min | -1065.6513 | 0.0000 | 6-1 |
| 6 | 7 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 6-1 |
| 7 | 7 | SLE | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 8 | SLE | Max | 1430.2420 | 0.0000 | 7-1 |
| 7 | 7 | SLE | Min | -1890.5385 | 0.0000 | 7-1 |
| 7 | 8 | SLE | Min | 0.0000 | 0.0000 | 7-1 |
| 7 | 7 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 8 | SLE_SISMA_DOWN | Max | 1194.3209 | 0.0000 | 7-1 |
| 7 | 7 | SLE_SISMA_DOWN | Min | -1686.5914 | 0.0000 | 7-1 |
| 7 | 8 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 7-1 |
| 7 | 7 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 8 | SLE_SISMA_UP | Max | 1022.6489 | 0.0000 | 7-1 |
| 7 | 7 | SLE_SISMA_UP | Min | -1465.6248 | 0.0000 | 7-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 7 | 8 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 7-1 |
| 7 | 7 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 8 | SLU_SISMA_DOWN | Max | 671.7476 | 0.0000 | 7-1 |
| 7 | 7 | SLU_SISMA_DOWN | Min | -1155.9646 | 0.0000 | 7-1 |
| 7 | 8 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 7-1 |
| 7 | 7 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 7-1 |
| 7 | 8 | SLU_SISMA_UP | Max | 302.2281 | 0.0000 | 7-1 |
| 7 | 7 | SLU_SISMA_UP | Min | -677.5361 | 0.0000 | 7-1 |
| 7 | 8 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 7-1 |
| 8 | 8 | SLE | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 9 | SLE | Max | 938.1872 | 0.0000 | 8-1 |
| 8 | 8 | SLE | Min | -1430.2420 | 0.0000 | 8-1 |
| 8 | 9 | SLE | Min | 0.0000 | 0.0000 | 8-1 |
| 8 | 8 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 9 | SLE_SISMA_DOWN | Max | 691.8630 | 0.0000 | 8-1 |
| 8 | 8 | SLE_SISMA_DOWN | Min | -1194.3209 | 0.0000 | 8-1 |
| 8 | 9 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 8-1 |
| 8 | 8 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 9 | SLE_SISMA_UP | Max | 575.4935 | 0.0000 | 8-1 |
| 8 | 8 | SLE_SISMA_UP | Min | -1022.6489 | 0.0000 | 8-1 |
| 8 | 9 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 8-1 |
| 8 | 8 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 9 | SLU_SISMA_DOWN | Max | 218.0313 | 0.0000 | 8-1 |
| 8 | 8 | SLU_SISMA_DOWN | Min | -671.7476 | 0.0000 | 8-1 |
| 8 | 9 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 8-1 |
| 8 | 8 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 9 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 8-1 |
| 8 | 8 | SLU_SISMA_UP | Min | -302.2281 | 0.0000 | 8-1 |
| 8 | 9 | SLU_SISMA_UP | Min | -28.7051 | 0.0000 | 8-1 |
| 9 | 9 | SLE | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 10 | SLE | Max | 465.4619 | 0.0000 | 9-1 |
| 9 | 9 | SLE | Min | -938.1872 | 0.0000 | 9-1 |
| 9 | 10 | SLE | Min | 0.0000 | 0.0000 | 9-1 |
| 9 | 9 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 10 | SLE_SISMA_DOWN | Max | 228.2147 | 0.0000 | 9-1 |
| 9 | 9 | SLE_SISMA_DOWN | Min | -691.8630 | 0.0000 | 9-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 9 | 10 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 9-1 |
| 9 | 9 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 10 | SLE_SISMA_UP | Max | 167.1207 | 0.0000 | 9-1 |
| 9 | 9 | SLE_SISMA_UP | Min | -575.4935 | 0.0000 | 9-1 |
| 9 | 10 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 9-1 |
| 9 | 9 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 10 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 9 | SLU_SISMA_DOWN | Min | -218.0313 | 0.0000 | 9-1 |
| 9 | 10 | SLU_SISMA_DOWN | Min | -166.2897 | 0.0000 | 9-1 |
| 9 | 9 | SLU_SISMA_UP | Max | 28.7051 | 0.0000 | 9-1 |
| 9 | 10 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 9-1 |
| 9 | 9 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 9-1 |
| 9 | 10 | SLU_SISMA_UP | Min | -290.1354 | 0.0000 | 9-1 |
| 10 | 10 | SLE | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 11 | SLE | Max | 40.7369 | 0.0000 | 10-1 |
| 10 | 10 | SLE | Min | -465.4619 | 0.0000 | 10-1 |
| 10 | 11 | SLE | Min | 0.0000 | 0.0000 | 10-1 |
| 10 | 10 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 11 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 10 | SLE_SISMA_DOWN | Min | -228.2147 | 0.0000 | 10-1 |
| 10 | 11 | SLE_SISMA_DOWN | Min | -170.8572 | 0.0000 | 10-1 |
| 10 | 10 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 11 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 10 | SLE_SISMA_UP | Min | -167.1207 | 0.0000 | 10-1 |
| 10 | 11 | SLE_SISMA_UP | Min | -180.8499 | 0.0000 | 10-1 |
| 10 | 10 | SLU_SISMA_DOWN | Max | 166.2897 | 0.0000 | 10-1 |
| 10 | 11 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 10 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 10-1 |
| 10 | 11 | SLU_SISMA_DOWN | Min | -466.2682 | 0.0000 | 10-1 |
| 10 | 10 | SLU_SISMA_UP | Max | 290.1354 | 0.0000 | 10-1 |
| 10 | 11 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 10-1 |
| 10 | 10 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 10-1 |
| 10 | 11 | SLU_SISMA_UP | Min | -476.8519 | 0.0000 | 10-1 |
| 11 | 11 | SLE | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 12 | SLE | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 11 | SLE | Min | -40.7369 | 0.0000 | 11-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 11 | 12 | SLE | Min | -314.6058 | 0.0000 | 11-1 |
| 11 | 11 | SLE_SISMA_DOWN | Max | 170.8572 | 0.0000 | 11-1 |
| 11 | 12 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 11 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 |
| 11 | 12 | SLE_SISMA_DOWN | Min | -487.2853 | 0.0000 | 11-1 |
| 11 | 11 | SLE_SISMA_UP | Max | 180.8499 | 0.0000 | 11-1 |
| 11 | 12 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 11 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 |
| 11 | 12 | SLE_SISMA_UP | Min | -453.7354 | 0.0000 | 11-1 |
| 11 | 11 | SLU_SISMA_DOWN | Max | 466.2682 | 0.0000 | 11-1 |
| 11 | 12 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 11 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 11-1 |
| 11 | 12 | SLU_SISMA_DOWN | Min | -674.4114 | 0.0000 | 11-1 |
| 11 | 11 | SLU_SISMA_UP | Max | 476.8519 | 0.0000 | 11-1 |
| 11 | 12 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 11-1 |
| 11 | 11 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 11-1 |
| 11 | 12 | SLU_SISMA_UP | Min | -589.2484 | 0.0000 | 11-1 |
| 12 | 12 | SLE | Max | 314.6058 | 0.0000 | 12-1 |
| 12 | 13 | SLE | Max | 0.0000 | 0.0000 | 12-1 |
| 12 | 12 | SLE | Min | 0.0000 | 0.0000 | 12-1 |
| 12 | 13 | SLE | Min | -581.9274 | 0.0000 | 12-1 |
| 12 | 12 | SLE_SISMA_DOWN | Max | 487.2853 | 0.0000 | 12-1 |
| 12 | 13 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 12-1 |
| 12 | 12 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 |
| 12 | 13 | SLE_SISMA_DOWN | Min | -705.8409 | 0.0000 | 12-1 |
| 12 | 12 | SLE_SISMA_UP | Max | 453.7354 | 0.0000 | 12-1 |
| 12 | 13 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 12-1 |
| 12 | 12 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 |
| 12 | 13 | SLE_SISMA_UP | Min | -639.1518 | 0.0000 | 12-1 |
| 12 | 12 | SLU_SISMA_DOWN | Max | 674.4114 | 0.0000 | 12-1 |
| 12 | 13 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 12-1 |
| 12 | 12 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 12-1 |
| 12 | 13 | SLU_SISMA_DOWN | Min | -784.9381 | 0.0000 | 12-1 |
| 12 | 12 | SLU_SISMA_UP | Max | 589.2484 | 0.0000 | 12-1 |
| 12 | 13 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 12-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 12 | 12 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 12-1 |
| 12 | 13 | SLU_SISMA_UP | Min | -628.0169 | 0.0000 | 12-1 |
| 13 | 13 | SLE | Max | 581.9274 | 0.0000 | 13-1 |
| 13 | 14 | SLE | Max | 0.0000 | 0.0000 | 13-1 |
| 13 | 13 | SLE | Min | 0.0000 | 0.0000 | 13-1 |
| 13 | 14 | SLE | Min | -747.5958 | 0.0000 | 13-1 |
| 13 | 13 | SLE_SISMA_DOWN | Max | 705.8409 | 0.0000 | 13-1 |
| 13 | 14 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 13-1 |
| 13 | 13 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 |
| 13 | 14 | SLE_SISMA_DOWN | Min | -816.0666 | 0.0000 | 13-1 |
| 13 | 13 | SLE_SISMA_UP | Max | 639.1518 | 0.0000 | 13-1 |
| 13 | 14 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 13-1 |
| 13 | 13 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 |
| 13 | 14 | SLE_SISMA_UP | Min | -728.7128 | 0.0000 | 13-1 |
| 13 | 13 | SLU_SISMA_DOWN | Max | 784.9381 | 0.0000 | 13-1 |
| 13 | 14 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 13-1 |
| 13 | 13 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 13-1 |
| 13 | 14 | SLU_SISMA_DOWN | Min | -795.1354 | 0.0000 | 13-1 |
| 13 | 13 | SLU_SISMA_UP | Max | 628.0169 | 0.0000 | 13-1 |
| 13 | 14 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 13-1 |
| 13 | 13 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 13-1 |
| 13 | 14 | SLU_SISMA_UP | Min | -595.0732 | 0.0000 | 13-1 |
| 14 | 14 | SLE | Max | 747.5958 | 0.0000 | 14-1 |
| 14 | 15 | SLE | Max | 0.0000 | 0.0000 | 14-1 |
| 14 | 14 | SLE | Min | 0.0000 | 0.0000 | 14-1 |
| 14 | 15 | SLE | Min | -803.6715 | 0.0000 | 14-1 |
| 14 | 14 | SLE_SISMA_DOWN | Max | 816.0666 | 0.0000 | 14-1 |
| 14 | 15 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 14-1 |
| 14 | 14 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 |
| 14 | 15 | SLE_SISMA_DOWN | Min | -812.6461 | 0.0000 | 14-1 |
| 14 | 14 | SLE_SISMA_UP | Max | 728.7128 | 0.0000 | 14-1 |
| 14 | 15 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 14-1 |
| 14 | 14 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 |
| 14 | 15 | SLE_SISMA_UP | Min | -718.3251 | 0.0000 | 14-1 |
| 14 | 14 | SLU_SISMA_DOWN | Max | 795.1354 | 0.0000 | 14-1 |
| 14 | 15 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 14-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 14 | 14 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 14-1 |
| 14 | 15 | SLU_SISMA_DOWN | Min | -705.2676 | 0.0000 | 14-1 |
| 14 | 14 | SLU_SISMA_UP | Max | 595.0732 | 0.0000 | 14-1 |
| 14 | 15 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 14-1 |
| 14 | 14 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 14-1 |
| 14 | 15 | SLU_SISMA_UP | Min | -493.3612 | 0.0000 | 14-1 |
| 15 | 15 | SLE | Max | 803.6715 | 0.0000 | 15-1 |
| 15 | 16 | SLE | Max | 0.0000 | 0.0000 | 15-1 |
| 15 | 15 | SLE | Min | 0.0000 | 0.0000 | 15-1 |
| 15 | 16 | SLE | Min | -747.5993 | 0.0000 | 15-1 |
| 15 | 15 | SLE_SISMA_DOWN | Max | 812.6461 | 0.0000 | 15-1 |
| 15 | 16 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 15-1 |
| 15 | 15 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 |
| 15 | 16 | SLE_SISMA_DOWN | Min | -694.9530 | 0.0000 | 15-1 |
| 15 | 15 | SLE_SISMA_UP | Max | 718.3251 | 0.0000 | 15-1 |
| 15 | 16 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 15-1 |
| 15 | 15 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 |
| 15 | 16 | SLE_SISMA_UP | Min | -607.7614 | 0.0000 | 15-1 |
| 15 | 15 | SLU_SISMA_DOWN | Max | 705.2676 | 0.0000 | 15-1 |
| 15 | 16 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 15-1 |
| 15 | 15 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 15-1 |
| 15 | 16 | SLU_SISMA_DOWN | Min | -517.9501 | 0.0000 | 15-1 |
| 15 | 15 | SLU_SISMA_UP | Max | 493.3612 | 0.0000 | 15-1 |
| 15 | 16 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 15-1 |
| 15 | 15 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 15-1 |
| 15 | 16 | SLU_SISMA_UP | Min | -326.3058 | 0.0000 | 15-1 |
| 16 | 16 | SLE | Max | 747.5993 | 0.0000 | 16-1 |
| 16 | 17 | SLE | Max | 0.0000 | 0.0000 | 16-1 |
| 16 | 16 | SLE | Min | 0.0000 | 0.0000 | 16-1 |
| 16 | 17 | SLE | Min | -581.9341 | 0.0000 | 16-1 |
| 16 | 16 | SLE_SISMA_DOWN | Max | 694.9530 | 0.0000 | 16-1 |
| 16 | 17 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 16-1 |
| 16 | 16 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 |
| 16 | 17 | SLE_SISMA_DOWN | Min | -467.7416 | 0.0000 | 16-1 |
| 16 | 16 | SLE_SISMA_UP | Max | 607.7614 | 0.0000 | 16-1 |
| 16 | 17 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 16-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 16 | 16 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 |
| 16 | 17 | SLE_SISMA_UP | Min | -401.3731 | 0.0000 | 16-1 |
| 16 | 16 | SLU_SISMA_DOWN | Max | 517.9501 | 0.0000 | 16-1 |
| 16 | 17 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 16-1 |
| 16 | 16 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 16-1 |
| 16 | 17 | SLU_SISMA_DOWN | Min | -240.2879 | 0.0000 | 16-1 |
| 16 | 16 | SLU_SISMA_UP | Max | 326.3058 | 0.0000 | 16-1 |
| 16 | 17 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 16-1 |
| 16 | 16 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 16-1 |
| 16 | 17 | SLU_SISMA_UP | Min | -100.0107 | 0.0000 | 16-1 |
| 17 | 17 | SLE | Max | 581.9341 | 0.0000 | 17-1 |
| 17 | 18 | SLE | Max | 0.0000 | 0.0000 | 17-1 |
| 17 | 17 | SLE | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 18 | SLE | Min | -314.6153 | 0.0000 | 17-1 |
| 17 | 17 | SLE_SISMA_DOWN | Max | 467.7416 | 0.0000 | 17-1 |
| 17 | 18 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 17-1 |
| 17 | 17 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 18 | SLE_SISMA_DOWN | Min | -142.3971 | 0.0000 | 17-1 |
| 17 | 17 | SLE_SISMA_UP | Max | 401.3731 | 0.0000 | 17-1 |
| 17 | 18 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 17-1 |
| 17 | 17 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 18 | SLE_SISMA_UP | Min | -109.3189 | 0.0000 | 17-1 |
| 17 | 17 | SLU_SISMA_DOWN | Max | 240.2879 | 0.0000 | 17-1 |
| 17 | 18 | SLU_SISMA_DOWN | Max | 113.4202 | 0.0000 | 17-1 |
| 17 | 17 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 18 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 17 | SLU_SISMA_UP | Max | 100.0107 | 0.0000 | 17-1 |
| 17 | 18 | SLU_SISMA_UP | Max | 174.0926 | 0.0000 | 17-1 |
| 17 | 17 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 |
| 17 | 18 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 17-1 |
| 18 | 18 | SLE | Max | 314.6153 | 0.0000 | 18-1 |
| 18 | 19 | SLE | Max | 40.7253 | 0.0000 | 18-1 |
| 18 | 18 | SLE | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 19 | SLE | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 18 | SLE_SISMA_DOWN | Max | 142.3971 | 0.0000 | 18-1 |
| 18 | 19 | SLE_SISMA_DOWN | Max | 262.8625 | 0.0000 | 18-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 18 | 18 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 19 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 18 | SLE_SISMA_UP | Max | 109.3189 | 0.0000 | 18-1 |
| 18 | 19 | SLE_SISMA_UP | Max | 252.2575 | 0.0000 | 18-1 |
| 18 | 18 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 19 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 18 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 18-1 |
| 18 | 19 | SLU_SISMA_DOWN | Max | 521.6637 | 0.0000 | 18-1 |
| 18 | 18 | SLU_SISMA_DOWN | Min | -113.4202 | 0.0000 | 18-1 |
| 18 | 19 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 18-1 |
| 18 | 18 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 18-1 |
| 18 | 19 | SLU_SISMA_UP | Max | 479.3009 | 0.0000 | 18-1 |
| 18 | 18 | SLU_SISMA_UP | Min | -174.0926 | 0.0000 | 18-1 |
| 18 | 19 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 18-1 |
| 19 | 19 | SLE | Max | 0.0000 | 0.0000 | 19-1 |
| 19 | 20 | SLE | Max | 465.4492 | 0.0000 | 19-1 |
| 19 | 19 | SLE | Min | -40.7253 | 0.0000 | 19-1 |
| 19 | 20 | SLE | Min | 0.0000 | 0.0000 | 19-1 |
| 19 | 19 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 |
| 19 | 20 | SLE_SISMA_DOWN | Max | 724.0159 | 0.0000 | 19-1 |
| 19 | 19 | SLE_SISMA_DOWN | Min | -262.8625 | 0.0000 | 19-1 |
| 19 | 20 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 19-1 |
| 19 | 19 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 |
| 19 | 20 | SLE_SISMA_UP | Max | 662.1831 | 0.0000 | 19-1 |
| 19 | 19 | SLE_SISMA_UP | Min | -252.2575 | 0.0000 | 19-1 |
| 19 | 20 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 19-1 |
| 19 | 19 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 19-1 |
| 19 | 20 | SLU_SISMA_DOWN | Max | 957.2596 | 0.0000 | 19-1 |
| 19 | 19 | SLU_SISMA_DOWN | Min | -521.6637 | 0.0000 | 19-1 |
| 19 | 20 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 19-1 |
| 19 | 19 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 19-1 |
| 19 | 20 | SLU_SISMA_UP | Max | 795.0708 | 0.0000 | 19-1 |
| 19 | 19 | SLU_SISMA_UP | Min | -479.3009 | 0.0000 | 19-1 |
| 19 | 20 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 19-1 |
| 20 | 20 | SLE | Max | 0.0000 | 0.0000 | 20-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 20 | 21 | SLE | Max | 938.1745 | 0.0000 | 20-1 |
| 20 | 20 | SLE | Min | -465.4492 | 0.0000 | 20-1 |
| 20 | 21 | SLE | Min | 0.0000 | 0.0000 | 20-1 |
| 20 | 20 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 |
| 20 | 21 | SLE_SISMA_DOWN | Max | 1213.9855 | 0.0000 | 20-1 |
| 20 | 20 | SLE_SISMA_DOWN | Min | -724.0159 | 0.0000 | 20-1 |
| 20 | 21 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 20-1 |
| 20 | 20 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 |
| 20 | 21 | SLE_SISMA_UP | Max | 1096.7674 | 0.0000 | 20-1 |
| 20 | 20 | SLE_SISMA_UP | Min | -662.1831 | 0.0000 | 20-1 |
| 20 | 21 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 20-1 |
| 20 | 20 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 20-1 |
| 20 | 21 | SLU_SISMA_DOWN | Max | 1390.7243 | 0.0000 | 20-1 |
| 20 | 20 | SLU_SISMA_DOWN | Min | -957.2596 | 0.0000 | 20-1 |
| 20 | 21 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 20-1 |
| 20 | 20 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 20-1 |
| 20 | 21 | SLU_SISMA_UP | Max | 1099.9547 | 0.0000 | 20-1 |
| 20 | 20 | SLU_SISMA_UP | Min | -795.0708 | 0.0000 | 20-1 |
| 20 | 21 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 20-1 |
| 21 | 21 | SLE | Max | 0.0000 | 0.0000 | 21-1 |
| 21 | 22 | SLE | Max | 1430.2303 | 0.0000 | 21-1 |
| 21 | 21 | SLE | Min | -938.1745 | 0.0000 | 21-1 |
| 21 | 22 | SLE | Min | 0.0000 | 0.0000 | 21-1 |
| 21 | 21 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 |
| 21 | 22 | SLE_SISMA_DOWN | Max | 1698.1074 | 0.0000 | 21-1 |
| 21 | 21 | SLE_SISMA_DOWN | Min | -1213.9855 | 0.0000 | 21-1 |
| 21 | 22 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 21-1 |
| 21 | 21 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 |
| 21 | 22 | SLE_SISMA_UP | Max | 1525.4968 | 0.0000 | 21-1 |
| 21 | 21 | SLE_SISMA_UP | Min | -1096.7674 | 0.0000 | 21-1 |
| 21 | 22 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 21-1 |
| 21 | 21 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 21-1 |
| 21 | 22 | SLU_SISMA_DOWN | Max | 1785.4153 | 0.0000 | 21-1 |
| 21 | 21 | SLU_SISMA_DOWN | Min | -1390.7243 | 0.0000 | 21-1 |
| 21 | 22 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 21-1 |
| 21 | 21 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 21-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 21 | 22 | SLU_SISMA_UP | Max | 1367.2010 | 0.0000 | 21-1 |
| 21 | 21 | SLU_SISMA_UP | Min | -1099.9547 | 0.0000 | 21-1 |
| 21 | 22 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 21-1 |
| 22 | 22 | SLE | Max | 0.0000 | 0.0000 | 22-1 |
| 22 | 23 | SLE | Max | 1890.5290 | 0.0000 | 22-1 |
| 22 | 22 | SLE | Min | -1430.2303 | 0.0000 | 22-1 |
| 22 | 23 | SLE | Min | 0.0000 | 0.0000 | 22-1 |
| 22 | 22 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 |
| 22 | 23 | SLE_SISMA_DOWN | Max | 2118.4865 | 0.0000 | 22-1 |
| 22 | 22 | SLE_SISMA_DOWN | Min | -1698.1074 | 0.0000 | 22-1 |
| 22 | 23 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 22-1 |
| 22 | 22 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 |
| 22 | 23 | SLE_SISMA_UP | Max | 1896.5148 | 0.0000 | 22-1 |
| 22 | 22 | SLE_SISMA_UP | Min | -1525.4968 | 0.0000 | 22-1 |
| 22 | 23 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 22-1 |
| 22 | 22 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 22-1 |
| 22 | 23 | SLU_SISMA_DOWN | Max | 2081.1960 | 0.0000 | 22-1 |
| 22 | 22 | SLU_SISMA_DOWN | Min | -1785.4153 | 0.0000 | 22-1 |
| 22 | 23 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 22-1 |
| 22 | 22 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 22-1 |
| 22 | 23 | SLU_SISMA_UP | Max | 1559.6101 | 0.0000 | 22-1 |
| 22 | 22 | SLU_SISMA_UP | Min | -1367.2010 | 0.0000 | 22-1 |
| 22 | 23 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 22-1 |
| 23 | 23 | SLE | Max | 0.0000 | 0.0000 | 23-1 |
| 23 | 24 | SLE | Max | 2265.0623 | 0.0000 | 23-1 |
| 23 | 23 | SLE | Min | -1890.5290 | 0.0000 | 23-1 |
| 23 | 24 | SLE | Min | 0.0000 | 0.0000 | 23-1 |
| 23 | 23 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 |
| 23 | 24 | SLE_SISMA_DOWN | Max | 2416.6235 | 0.0000 | 23-1 |
| 23 | 23 | SLE_SISMA_DOWN | Min | -2118.4865 | 0.0000 | 23-1 |
| 23 | 24 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 23-1 |
| 23 | 23 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 |
| 23 | 24 | SLE_SISMA_UP | Max | 2158.0289 | 0.0000 | 23-1 |
| 23 | 23 | SLE_SISMA_UP | Min | -1896.5148 | 0.0000 | 23-1 |
| 23 | 24 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 23-1 |
| 23 | 23 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 23-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 23 | 24 | SLU_SISMA_DOWN | Max | 2256.1467 | 0.0000 | 23-1 |
| 23 | 23 | SLU_SISMA_DOWN | Min | -2081.1960 | 0.0000 | 23-1 |
| 23 | 24 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 23-1 |
| 23 | 23 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 23-1 |
| 23 | 24 | SLU_SISMA_UP | Max | 1670.4217 | 0.0000 | 23-1 |
| 23 | 23 | SLU_SISMA_UP | Min | -1559.6101 | 0.0000 | 23-1 |
| 23 | 24 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 23-1 |
| 24 | 24 | SLE | Max | 0.0000 | 0.0000 | 24-1 |
| 24 | 25 | SLE | Max | 2511.8208 | 0.0000 | 24-1 |
| 24 | 24 | SLE | Min | -2265.0623 | 0.0000 | 24-1 |
| 24 | 25 | SLE | Min | 0.0000 | 0.0000 | 24-1 |
| 24 | 24 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 |
| 24 | 25 | SLE_SISMA_DOWN | Max | 2573.3683 | 0.0000 | 24-1 |
| 24 | 24 | SLE_SISMA_DOWN | Min | -2416.6235 | 0.0000 | 24-1 |
| 24 | 25 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 24-1 |
| 24 | 24 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 |
| 24 | 25 | SLE_SISMA_UP | Max | 2297.0873 | 0.0000 | 24-1 |
| 24 | 24 | SLE_SISMA_UP | Min | -2158.0289 | 0.0000 | 24-1 |
| 24 | 25 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 24-1 |
| 24 | 24 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 24-1 |
| 24 | 25 | SLU_SISMA_DOWN | Max | 2335.1603 | 0.0000 | 24-1 |
| 24 | 24 | SLU_SISMA_DOWN | Min | -2256.1467 | 0.0000 | 24-1 |
| 24 | 25 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 24-1 |
| 24 | 24 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 24-1 |
| 24 | 25 | SLU_SISMA_UP | Max | 1729.4453 | 0.0000 | 24-1 |
| 24 | 24 | SLU_SISMA_UP | Min | -1670.4217 | 0.0000 | 24-1 |
| 24 | 25 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 24-1 |
| 25 | 25 | SLE | Max | 0.0000 | 0.0000 | 25-1 |
| 25 | 26 | SLE | Max | 2688.8660 | 0.0000 | 25-1 |
| 25 | 25 | SLE | Min | -2511.8208 | 0.0000 | 25-1 |
| 25 | 26 | SLE | Min | 0.0000 | 0.0000 | 25-1 |
| 25 | 25 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 |
| 25 | 26 | SLE_SISMA_DOWN | Max | 2699.4314 | 0.0000 | 25-1 |
| 25 | 25 | SLE_SISMA_DOWN | Min | -2573.3683 | 0.0000 | 25-1 |
| 25 | 26 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 25-1 |
| 25 | 25 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 25 | 26 | SLE_SISMA_UP | Max | 2418.0092 | 0.0000 | 25-1 |
| 25 | 25 | SLE_SISMA_UP | Min | -2297.0873 | 0.0000 | 25-1 |
| 25 | 26 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 25-1 |
| 25 | 25 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 25-1 |
| 25 | 26 | SLU_SISMA_DOWN | Max | 2449.9832 | 0.0000 | 25-1 |
| 25 | 25 | SLU_SISMA_DOWN | Min | -2335.1603 | 0.0000 | 25-1 |
| 25 | 26 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 25-1 |
| 25 | 25 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 25-1 |
| 25 | 26 | SLU_SISMA_UP | Max | 1844.2226 | 0.0000 | 25-1 |
| 25 | 25 | SLU_SISMA_UP | Min | -1729.4453 | 0.0000 | 25-1 |
| 25 | 26 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 25-1 |
| 26 | 26 | SLE | Max | 0.0000 | 0.0000 | 26-1 |
| 26 | 27 | SLE | Max | 2963.4014 | 0.0000 | 26-1 |
| 26 | 26 | SLE | Min | -2688.8660 | 0.0000 | 26-1 |
| 26 | 27 | SLE | Min | 0.0000 | 0.0000 | 26-1 |
| 26 | 26 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 |
| 26 | 27 | SLE_SISMA_DOWN | Max | 2949.4092 | 0.0000 | 26-1 |
| 26 | 26 | SLE_SISMA_DOWN | Min | -2699.4314 | 0.0000 | 26-1 |
| 26 | 27 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 26-1 |
| 26 | 26 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 |
| 26 | 27 | SLE_SISMA_UP | Max | 2662.4230 | 0.0000 | 26-1 |
| 26 | 26 | SLE_SISMA_UP | Min | -2418.0092 | 0.0000 | 26-1 |
| 26 | 27 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 26-1 |
| 26 | 26 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 26-1 |
| 26 | 27 | SLU_SISMA_DOWN | Max | 2740.4386 | 0.0000 | 26-1 |
| 26 | 26 | SLU_SISMA_DOWN | Min | -2449.9832 | 0.0000 | 26-1 |
| 26 | 27 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 26-1 |
| 26 | 26 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 26-1 |
| 26 | 27 | SLU_SISMA_UP | Max | 2131.1234 | 0.0000 | 26-1 |
| 26 | 26 | SLU_SISMA_UP | Min | -1844.2226 | 0.0000 | 26-1 |
| 26 | 27 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 26-1 |
| 27 | 27 | SLE | Max | 0.0000 | 0.0000 | 27-1 |
| 27 | 28 | SLE | Max | 3340.9588 | 0.0000 | 27-1 |
| 27 | 27 | SLE | Min | -2963.4014 | 0.0000 | 27-1 |
| 27 | 28 | SLE | Min | 0.0000 | 0.0000 | 27-1 |
| 27 | 27 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 27 | 28 | SLE_SISMA_DOWN | Max | 3327.1024 | 0.0000 | 27-1 |
| 27 | 27 | SLE_SISMA_DOWN | Min | -2949.4092 | 0.0000 | 27-1 |
| 27 | 28 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 27-1 |
| 27 | 27 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 |
| 27 | 28 | SLE_SISMA_UP | Max | 3034.2162 | 0.0000 | 27-1 |
| 27 | 27 | SLE_SISMA_UP | Min | -2662.4230 | 0.0000 | 27-1 |
| 27 | 28 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 27-1 |
| 27 | 27 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 27-1 |
| 27 | 28 | SLU_SISMA_DOWN | Max | 3209.3112 | 0.0000 | 27-1 |
| 27 | 27 | SLU_SISMA_DOWN | Min | -2740.4386 | 0.0000 | 27-1 |
| 27 | 28 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 27-1 |
| 27 | 27 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 27-1 |
| 27 | 28 | SLU_SISMA_UP | Max | 2593.1375 | 0.0000 | 27-1 |
| 27 | 27 | SLU_SISMA_UP | Min | -2131.1234 | 0.0000 | 27-1 |
| 27 | 28 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 27-1 |
| 28 | 28 | SLE | Max | 0.0000 | 0.0000 | 28-1 |
| 28 | 29 | SLE | Max | 1711.8209 | 0.0000 | 28-1 |
| 28 | 28 | SLE | Min | -3340.9588 | 0.0000 | 28-1 |
| 28 | 29 | SLE | Min | 0.0000 | 0.0000 | 28-1 |
| 28 | 28 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 |
| 28 | 29 | SLE_SISMA_DOWN | Max | 1714.4471 | 0.0000 | 28-1 |
| 28 | 28 | SLE_SISMA_DOWN | Min | -3327.1024 | 0.0000 | 28-1 |
| 28 | 29 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 28-1 |
| 28 | 28 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 |
| 28 | 29 | SLE_SISMA_UP | Max | 1572.1544 | 0.0000 | 28-1 |
| 28 | 28 | SLE_SISMA_UP | Min | -3034.2162 | 0.0000 | 28-1 |
| 28 | 29 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 28-1 |
| 28 | 28 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 28-1 |
| 28 | 29 | SLU_SISMA_DOWN | Max | 1693.9941 | 0.0000 | 28-1 |
| 28 | 28 | SLU_SISMA_DOWN | Min | -3209.3112 | 0.0000 | 28-1 |
| 28 | 29 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 28-1 |
| 28 | 28 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 28-1 |
| 28 | 29 | SLU_SISMA_UP | Max | 1395.1866 | 0.0000 | 28-1 |
| 28 | 28 | SLU_SISMA_UP | Min | -2593.1375 | 0.0000 | 28-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 28 | 29 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 28-1 |
| 29 | 29 | SLE | Max | 0.0000 | 0.0000 | 29-1 |
| 29 | 30 | SLE | Max | 1425.4554 | 0.0000 | 29-1 |
| 29 | 29 | SLE | Min | -1711.8209 | 0.0000 | 29-1 |
| 29 | 30 | SLE | Min | 0.0000 | 0.0000 | 29-1 |
| 29 | 29 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 29-1 |
| 29 | 30 | SLE_SISMA_DOWN | Max | 1348.6191 | 0.0000 | 29-1 |
| 29 | 29 | SLE_SISMA_DOWN | Min | -1714.4471 | 0.0000 | 29-1 |
| 29 | 30 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 |
| 29 | 29 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 29-1 |
| 29 | 30 | SLE_SISMA_UP | Max | 1227.3529 | 0.0000 | 29-1 |
| 29 | 29 | SLE_SISMA_UP | Min | -1572.1544 | 0.0000 | 29-1 |
| 29 | 30 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 |
| 29 | 29 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 29-1 |
| 29 | 30 | SLU_SISMA_DOWN | Max | 1221.6552 | 0.0000 | 29-1 |
| 29 | 29 | SLU_SISMA_DOWN | Min | -1693.9941 | 0.0000 | 29-1 |
| 29 | 30 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 29-1 |
| 29 | 29 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 29-1 |
| 29 | 30 | SLU_SISMA_UP | Max | 971.9254 | 0.0000 | 29-1 |
| 29 | 29 | SLU_SISMA_UP | Min | -1395.1866 | 0.0000 | 29-1 |
| 29 | 30 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 29-1 |
| 30 | 30 | SLE | Max | 0.0000 | 0.0000 | 30-1 |
| 30 | 31 | SLE | Max | 1307.9159 | 0.0000 | 30-1 |
| 30 | 30 | SLE | Min | -1425.4554 | 0.0000 | 30-1 |
| 30 | 31 | SLE | Min | 0.0000 | 0.0000 | 30-1 |
| 30 | 30 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 30-1 |
| 30 | 31 | SLE_SISMA_DOWN | Max | 1166.9949 | 0.0000 | 30-1 |
| 30 | 30 | SLE_SISMA_DOWN | Min | -1348.6191 | 0.0000 | 30-1 |
| 30 | 31 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 |
| 30 | 30 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 30-1 |
| 30 | 31 | SLE_SISMA_UP | Max | 1053.9363 | 0.0000 | 30-1 |
| 30 | 30 | SLE_SISMA_UP | Min | -1227.3529 | 0.0000 | 30-1 |
| 30 | 31 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 |
| 30 | 30 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 30-1 |
| 30 | 31 | SLU_SISMA_DOWN | Max | 955.5507 | 0.0000 | 30-1 |
| 30 | 30 | SLU_SISMA_DOWN | Min | -1221.6552 | 0.0000 | 30-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 30 | 31 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 30-1 |
| 30 | 30 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 30-1 |
| 30 | 31 | SLU_SISMA_UP | Max | 727.6899 | 0.0000 | 30-1 |
| 30 | 30 | SLU_SISMA_UP | Min | -971.9254 | 0.0000 | 30-1 |
| 30 | 31 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 30-1 |
| 31 | 31 | SLE | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 32 | SLE | Max | 377.3917 | 0.0000 | 31-1 |
| 31 | 31 | SLE | Min | -1307.9159 | 0.0000 | 31-1 |
| 31 | 32 | SLE | Min | 0.0000 | 0.0000 | 31-1 |
| 31 | 31 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 32 | SLE_SISMA_DOWN | Max | 199.6015 | 0.0000 | 31-1 |
| 31 | 31 | SLE_SISMA_DOWN | Min | -1166.9949 | 0.0000 | 31-1 |
| 31 | 32 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 31-1 |
| 31 | 31 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 32 | SLE_SISMA_UP | Max | 170.2254 | 0.0000 | 31-1 |
| 31 | 31 | SLE_SISMA_UP | Min | -1053.9363 | 0.0000 | 31-1 |
| 31 | 32 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 31-1 |
| 31 | 31 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 32 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 31 | SLU_SISMA_DOWN | Min | -955.5507 | 0.0000 | 31-1 |
| 31 | 32 | SLU_SISMA_DOWN | Min | -24.1997 | 0.0000 | 31-1 |
| 31 | 31 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 32 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 31-1 |
| 31 | 31 | SLU_SISMA_UP | Min | -727.6899 | 0.0000 | 31-1 |
| 31 | 32 | SLU_SISMA_UP | Min | -73.0133 | 0.0000 | 31-1 |
| 32 | 32 | SLE | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 33 | SLE | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 32 | SLE | Min | -377.3917 | 0.0000 | 32-1 |
| 32 | 33 | SLE | Min | -387.9408 | 0.0000 | 32-1 |
| 32 | 32 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 33 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 32 | SLE_SISMA_DOWN | Min | -199.6015 | 0.0000 | 32-1 |
| 32 | 33 | SLE_SISMA_DOWN | Min | -573.0504 | 0.0000 | 32-1 |
| 32 | 32 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 33 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 32 | SLE_SISMA_UP | Min | -170.2254 | 0.0000 | 32-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 32 | 33 | SLE_SISMA_UP | Min | -533.7475 | 0.0000 | 32-1 |
| 32 | 32 | SLU_SISMA_DOWN | Max | 24.1997 | 0.0000 | 32-1 |
| 32 | 33 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 32 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 32-1 |
| 32 | 33 | SLU_SISMA_DOWN | Min | -776.8977 | 0.0000 | 32-1 |
| 32 | 32 | SLU_SISMA_UP | Max | 73.0133 | 0.0000 | 32-1 |
| 32 | 33 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 32-1 |
| 32 | 32 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 32-1 |
| 32 | 33 | SLU_SISMA_UP | Min | -679.9454 | 0.0000 | 32-1 |
| 33 | 33 | SLE | Max | 387.9408 | 0.0000 | 33-1 |
| 33 | 34 | SLE | Max | 0.0000 | 0.0000 | 33-1 |
| 33 | 33 | SLE | Min | 0.0000 | 0.0000 | 33-1 |
| 33 | 34 | SLE | Min | -984.9273 | 0.0000 | 33-1 |
| 33 | 33 | SLE_SISMA_DOWN | Max | 573.0504 | 0.0000 | 33-1 |
| 33 | 34 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 |
| 33 | 33 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 33-1 |
| 33 | 34 | SLE_SISMA_DOWN | Min | -1153.0838 | 0.0000 | 33-1 |
| 33 | 33 | SLE_SISMA_UP | Max | 533.7475 | 0.0000 | 33-1 |
| 33 | 34 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 |
| 33 | 33 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 33-1 |
| 33 | 34 | SLE_SISMA_UP | Min | -1060.2923 | 0.0000 | 33-1 |
| 33 | 33 | SLU_SISMA_DOWN | Max | 776.8977 | 0.0000 | 33-1 |
| 33 | 34 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 33-1 |
| 33 | 33 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 33-1 |
| 33 | 34 | SLU_SISMA_DOWN | Min | -1311.6135 | 0.0000 | 33-1 |
| 33 | 33 | SLU_SISMA_UP | Max | 679.9454 | 0.0000 | 33-1 |
| 33 | 34 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 33-1 |
| 33 | 33 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 33-1 |
| 33 | 34 | SLU_SISMA_UP | Min | -1102.3308 | 0.0000 | 33-1 |
| 34 | 34 | SLE | Max | 984.9273 | 0.0000 | 34-1 |
| 34 | 35 | SLE | Max | 0.0000 | 0.0000 | 34-1 |
| 34 | 34 | SLE | Min | 0.0000 | 0.0000 | 34-1 |
| 34 | 35 | SLE | Min | -1411.9548 | 0.0000 | 34-1 |
| 34 | 34 | SLE_SISMA_DOWN | Max | 1153.0838 | 0.0000 | 34-1 |
| 34 | 35 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 |
| 34 | 34 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 34-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 34 | 35 | SLE_SISMA_DOWN | Min | -1544.2344 | 0.0000 | 34-1 |
| 34 | 34 | SLE_SISMA_UP | Max | 1060.2923 | 0.0000 | 34-1 |
| 34 | 35 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 |
| 34 | 34 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 34-1 |
| 34 | 35 | SLE_SISMA_UP | Min | -1413.2171 | 0.0000 | 34-1 |
| 34 | 34 | SLU_SISMA_DOWN | Max | 1311.6135 | 0.0000 | 34-1 |
| 34 | 35 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 34-1 |
| 34 | 34 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 34-1 |
| 34 | 35 | SLU_SISMA_DOWN | Min | -1639.1508 | 0.0000 | 34-1 |
| 34 | 34 | SLU_SISMA_UP | Max | 1102.3308 | 0.0000 | 34-1 |
| 34 | 35 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 34-1 |
| 34 | 34 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 34-1 |
| 34 | 35 | SLU_SISMA_UP | Min | -1350.8836 | 0.0000 | 34-1 |
| 35 | 35 | SLE | Max | 1411.9548 | 0.0000 | 35-1 |
| 35 | 36 | SLE | Max | 0.0000 | 0.0000 | 35-1 |
| 35 | 35 | SLE | Min | 0.0000 | 0.0000 | 35-1 |
| 35 | 36 | SLE | Min | -1668.3248 | 0.0000 | 35-1 |
| 35 | 35 | SLE_SISMA_DOWN | Max | 1544.2344 | 0.0000 | 35-1 |
| 35 | 36 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 |
| 35 | 35 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 35-1 |
| 35 | 36 | SLE_SISMA_DOWN | Min | -1751.1874 | 0.0000 | 35-1 |
| 35 | 35 | SLE_SISMA_UP | Max | 1413.2171 | 0.0000 | 35-1 |
| 35 | 36 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 |
| 35 | 35 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 35-1 |
| 35 | 36 | SLE_SISMA_UP | Min | -1597.2222 | 0.0000 | 35-1 |
| 35 | 35 | SLU_SISMA_DOWN | Max | 1639.1508 | 0.0000 | 35-1 |
| 35 | 36 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 35-1 |
| 35 | 35 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 35-1 |
| 35 | 36 | SLU_SISMA_DOWN | Min | -1771.3613 | 0.0000 | 35-1 |
| 35 | 35 | SLU_SISMA_UP | Max | 1350.8836 | 0.0000 | 35-1 |
| 35 | 36 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 35-1 |
| 35 | 35 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 35-1 |
| 35 | 36 | SLU_SISMA_UP | Min | -1437.2438 | 0.0000 | 35-1 |
| 36 | 36 | SLE | Max | 1668.3248 | 0.0000 | 36-1 |
| 36 | 37 | SLE | Max | 0.0000 | 0.0000 | 36-1 |
| 36 | 36 | SLE | Min | 0.0000 | 0.0000 | 36-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 36 | 37 | SLE | Min | -1753.8007 | 0.0000 | 36-1 |
| 36 | 36 | SLE_SISMA_DOWN | Max | 1751.1874 | 0.0000 | 36-1 |
| 36 | 37 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 |
| 36 | 36 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 36-1 |
| 36 | 37 | SLE_SISMA_DOWN | Min | -1779.1157 | 0.0000 | 36-1 |
| 36 | 36 | SLE_SISMA_UP | Max | 1597.2222 | 0.0000 | 36-1 |
| 36 | 37 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 |
| 36 | 36 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 36-1 |
| 36 | 37 | SLE_SISMA_UP | Min | -1617.4791 | 0.0000 | 36-1 |
| 36 | 36 | SLU_SISMA_DOWN | Max | 1771.3613 | 0.0000 | 36-1 |
| 36 | 37 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 36-1 |
| 36 | 36 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 36-1 |
| 36 | 37 | SLU_SISMA_DOWN | Min | -1720.6864 | 0.0000 | 36-1 |
| 36 | 36 | SLU_SISMA_UP | Max | 1437.2438 | 0.0000 | 36-1 |
| 36 | 37 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 36-1 |
| 36 | 36 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 36-1 |
| 36 | 37 | SLU_SISMA_UP | Min | -1373.6059 | 0.0000 | 36-1 |
| 37 | 37 | SLE | Max | 1753.8007 | 0.0000 | 37-1 |
| 37 | 38 | SLE | Max | 0.0000 | 0.0000 | 37-1 |
| 37 | 37 | SLE | Min | 0.0000 | 0.0000 | 37-1 |
| 37 | 38 | SLE | Min | -1668.3339 | 0.0000 | 37-1 |
| 37 | 37 | SLE_SISMA_DOWN | Max | 1779.1157 | 0.0000 | 37-1 |
| 37 | 38 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 |
| 37 | 37 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 37-1 |
| 37 | 38 | SLE_SISMA_DOWN | Min | -1633.3734 | 0.0000 | 37-1 |
| 37 | 37 | SLE_SISMA_UP | Max | 1617.4791 | 0.0000 | 37-1 |
| 37 | 38 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 |
| 37 | 37 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 37-1 |
| 37 | 38 | SLE_SISMA_UP | Min | -1479.3488 | 0.0000 | 37-1 |
| 37 | 37 | SLU_SISMA_DOWN | Max | 1720.6864 | 0.0000 | 37-1 |
| 37 | 38 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 37-1 |
| 37 | 37 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 37-1 |
| 37 | 38 | SLU_SISMA_DOWN | Min | -1499.8176 | 0.0000 | 37-1 |
| 37 | 37 | SLU_SISMA_UP | Max | 1373.6059 | 0.0000 | 37-1 |
| 37 | 38 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 37-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 37 | 37 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 37-1 |
| 37 | 38 | SLU_SISMA_UP | Min | -1172.4330 | 0.0000 | 37-1 |
| 38 | 38 | SLE | Max | 1668.3339 | 0.0000 | 38-1 |
| 38 | 39 | SLE | Max | 0.0000 | 0.0000 | 38-1 |
| 38 | 38 | SLE | Min | 0.0000 | 0.0000 | 38-1 |
| 38 | 39 | SLE | Min | -1411.9724 | 0.0000 | 38-1 |
| 38 | 38 | SLE_SISMA_DOWN | Max | 1633.3734 | 0.0000 | 38-1 |
| 38 | 39 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 |
| 38 | 38 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 38-1 |
| 38 | 39 | SLE_SISMA_DOWN | Min | -1319.4725 | 0.0000 | 38-1 |
| 38 | 38 | SLE_SISMA_UP | Max | 1479.3488 | 0.0000 | 38-1 |
| 38 | 39 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 |
| 38 | 38 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 38-1 |
| 38 | 39 | SLE_SISMA_UP | Min | -1188.3670 | 0.0000 | 38-1 |
| 38 | 38 | SLU_SISMA_DOWN | Max | 1499.8176 | 0.0000 | 38-1 |
| 38 | 39 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 38-1 |
| 38 | 38 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 38-1 |
| 38 | 39 | SLU_SISMA_DOWN | Min | -1121.7636 | 0.0000 | 38-1 |
| 38 | 38 | SLU_SISMA_UP | Max | 1172.4330 | 0.0000 | 38-1 |
| 38 | 39 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 38-1 |
| 38 | 38 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 38-1 |
| 38 | 39 | SLU_SISMA_UP | Min | -846.5367 | 0.0000 | 38-1 |
| 39 | 39 | SLE | Max | 1411.9724 | 0.0000 | 39-1 |
| 39 | 40 | SLE | Max | 0.0000 | 0.0000 | 39-1 |
| 39 | 39 | SLE | Min | 0.0000 | 0.0000 | 39-1 |
| 39 | 40 | SLE | Min | -984.9526 | 0.0000 | 39-1 |
| 39 | 39 | SLE_SISMA_DOWN | Max | 1319.4725 | 0.0000 | 39-1 |
| 39 | 40 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 |
| 39 | 39 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 39-1 |
| 39 | 40 | SLE_SISMA_DOWN | Min | -843.1235 | 0.0000 | 39-1 |
| 39 | 39 | SLE_SISMA_UP | Max | 1188.3670 | 0.0000 | 39-1 |
| 39 | 40 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 |
| 39 | 39 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 39-1 |
| 39 | 40 | SLE_SISMA_UP | Min | -750.2757 | 0.0000 | 39-1 |
| 39 | 39 | SLU_SISMA_DOWN | Max | 1121.7636 | 0.0000 | 39-1 |
| 39 | 40 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 39-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 39 | 39 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 39-1 |
| 39 | 40 | SLU_SISMA_DOWN | Min | -599.8155 | 0.0000 | 39-1 |
| 39 | 39 | SLU_SISMA_UP | Max | 846.5367 | 0.0000 | 39-1 |
| 39 | 40 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 39-1 |
| 39 | 39 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 39-1 |
| 39 | 40 | SLU_SISMA_UP | Min | -409.0265 | 0.0000 | 39-1 |
| 40 | 40 | SLE | Max | 984.9526 | 0.0000 | 40-1 |
| 40 | 41 | SLE | Max | 0.0000 | 0.0000 | 40-1 |
| 40 | 40 | SLE | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 41 | SLE | Min | -387.9723 | 0.0000 | 40-1 |
| 40 | 40 | SLE_SISMA_DOWN | Max | 843.1235 | 0.0000 | 40-1 |
| 40 | 41 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 40-1 |
| 40 | 40 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 41 | SLE_SISMA_DOWN | Min | -210.5457 | 0.0000 | 40-1 |
| 40 | 40 | SLE_SISMA_UP | Max | 750.2757 | 0.0000 | 40-1 |
| 40 | 41 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 40-1 |
| 40 | 40 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 41 | SLE_SISMA_UP | Min | -171.3087 | 0.0000 | 40-1 |
| 40 | 40 | SLU_SISMA_DOWN | Max | 599.8155 | 0.0000 | 40-1 |
| 40 | 41 | SLU_SISMA_DOWN | Max | 52.1105 | 0.0000 | 40-1 |
| 40 | 40 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 41 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 40 | SLU_SISMA_UP | Max | 409.0265 | 0.0000 | 40-1 |
| 40 | 41 | SLU_SISMA_UP | Max | 126.4035 | 0.0000 | 40-1 |
| 40 | 40 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 40-1 |
| 40 | 41 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 40-1 |
| 41 | 41 | SLE | Max | 387.9723 | 0.0000 | 41-1 |
| 41 | 42 | SLE | Max | 377.3559 | 0.0000 | 41-1 |
| 41 | 41 | SLE | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 42 | SLE | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 41 | SLE_SISMA_DOWN | Max | 210.5457 | 0.0000 | 41-1 |
| 41 | 42 | SLE_SISMA_DOWN | Max | 571.0891 | 0.0000 | 41-1 |
| 41 | 41 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 42 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 41 | SLE_SISMA_UP | Max | 171.3087 | 0.0000 | 41-1 |
| 41 | 42 | SLE_SISMA_UP | Max | 541.4056 | 0.0000 | 41-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 41 | 41 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 42 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 41 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 41-1 |
| 41 | 42 | SLU_SISMA_DOWN | Max | 819.0660 | 0.0000 | 41-1 |
| 41 | 41 | SLU_SISMA_DOWN | Min | -52.1105 | 0.0000 | 41-1 |
| 41 | 42 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 41-1 |
| 41 | 41 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 41-1 |
| 41 | 42 | SLU_SISMA_UP | Max | 745.1561 | 0.0000 | 41-1 |
| 41 | 41 | SLU_SISMA_UP | Min | -126.4035 | 0.0000 | 41-1 |
| 41 | 42 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 41-1 |
| 42 | 42 | SLE | Max | 0.0000 | 0.0000 | 42-1 |
| 42 | 43 | SLE | Max | 1307.8781 | 0.0000 | 42-1 |
| 42 | 42 | SLE | Min | -377.3559 | 0.0000 | 42-1 |
| 42 | 43 | SLE | Min | 0.0000 | 0.0000 | 42-1 |
| 42 | 42 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 42-1 |
| 42 | 43 | SLE_SISMA_DOWN | Max | 1493.0479 | 0.0000 | 42-1 |
| 42 | 42 | SLE_SISMA_DOWN | Min | -571.0891 | 0.0000 | 42-1 |
| 42 | 43 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 |
| 42 | 42 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 42-1 |
| 42 | 43 | SLE_SISMA_UP | Max | 1379.2934 | 0.0000 | 42-1 |
| 42 | 42 | SLE_SISMA_UP | Min | -541.4056 | 0.0000 | 42-1 |
| 42 | 43 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 |
| 42 | 42 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 42-1 |
| 42 | 43 | SLU_SISMA_DOWN | Max | 1684.5202 | 0.0000 | 42-1 |
| 42 | 42 | SLU_SISMA_DOWN | Min | -819.0660 | 0.0000 | 42-1 |
| 42 | 43 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 42-1 |
| 42 | 42 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 42-1 |
| 42 | 43 | SLU_SISMA_UP | Max | 1431.3024 | 0.0000 | 42-1 |
| 42 | 42 | SLU_SISMA_UP | Min | -745.1561 | 0.0000 | 42-1 |
| 42 | 43 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 42-1 |
| 43 | 43 | SLE | Max | 0.0000 | 0.0000 | 43-1 |
| 43 | 44 | SLE | Max | 1425.4276 | 0.0000 | 43-1 |
| 43 | 43 | SLE | Min | -1307.8781 | 0.0000 | 43-1 |
| 43 | 44 | SLE | Min | 0.0000 | 0.0000 | 43-1 |
| 43 | 43 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 43-1 |
| 43 | 44 | SLE_SISMA_DOWN | Max | 1556.7176 | 0.0000 | 43-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 43 | 43 | SLE_SISMA_DOWN | Min | -1493.0479 | 0.0000 | 43-1 |
| 43 | 44 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 |
| 43 | 43 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 43-1 |
| 43 | 44 | SLE_SISMA_UP | Max | 1434.7628 | 0.0000 | 43-1 |
| 43 | 43 | SLE_SISMA_UP | Min | -1379.2934 | 0.0000 | 43-1 |
| 43 | 44 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 |
| 43 | 43 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 43-1 |
| 43 | 44 | SLU_SISMA_DOWN | Max | 1680.4150 | 0.0000 | 43-1 |
| 43 | 43 | SLU_SISMA_DOWN | Min | -1684.5202 | 0.0000 | 43-1 |
| 43 | 44 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 43-1 |
| 43 | 43 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 43-1 |
| 43 | 44 | SLU_SISMA_UP | Max | 1412.5339 | 0.0000 | 43-1 |
| 43 | 43 | SLU_SISMA_UP | Min | -1431.3024 | 0.0000 | 43-1 |
| 43 | 44 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 43-1 |
| 44 | 44 | SLE | Max | 0.0000 | 0.0000 | 44-1 |
| 44 | 1 | SLE | Max | 1711.8122 | 0.0000 | 44-1 |
| 44 | 44 | SLE | Min | -1425.4276 | 0.0000 | 44-1 |
| 44 | 1 | SLE | Min | 0.0000 | 0.0000 | 44-1 |
| 44 | 44 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 44-1 |
| 44 | 1 | SLE_SISMA_DOWN | Max | 1784.7147 | 0.0000 | 44-1 |
| 44 | 44 | SLE_SISMA_DOWN | Min | -1556.7176 | 0.0000 | 44-1 |
| 44 | 1 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 |
| 44 | 44 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 44-1 |
| 44 | 1 | SLE_SISMA_UP | Max | 1641.9263 | 0.0000 | 44-1 |
| 44 | 44 | SLE_SISMA_UP | Min | -1434.7628 | 0.0000 | 44-1 |
| 44 | 1 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 |
| 44 | 44 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 44-1 |
| 44 | 1 | SLU_SISMA_DOWN | Max | 1835.1803 | 0.0000 | 44-1 |
| 44 | 44 | SLU_SISMA_DOWN | Min | -1680.4150 | 0.0000 | 44-1 |
| 44 | 1 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 44-1 |
| 44 | 44 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 44-1 |
| 44 | 1 | SLU_SISMA_UP | Max | 1525.6162 | 0.0000 | 44-1 |
| 44 | 44 | SLU_SISMA_UP | Min | -1412.5339 | 0.0000 | 44-1 |
| 44 | 1 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 44-1 |
| 45 | 2 | SLE | Max | 0.0000 | 0.0000 | 45-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 45 | 43 | SLE | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLE | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE | Min | -2.665E-14 | 0.0000 | 45-1 |
| 45 | 2 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE_SISMA_DOWN | Max | 1.776E-14 | 0.0000 | 45-1 |
| 45 | 2 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 45-1 |
| 45 | 2 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 |
| 45 | 43 | SLU_SISMA_UP | Min | 0.0000 | 0.0000 | 45-1 |
| 46 | 28 | SLE | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLE | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLE | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLE | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLE_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLE_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLE_SISMA_DOWN | Min | -8.882E-15 | 0.0000 | 46-1 |
| 46 | 28 | SLE_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLE_SISMA_UP | Max | 8.882E-15 | 0.0000 | 46-1 |
| 46 | 28 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLE_SISMA_UP | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLU_SISMA_DOWN | Max | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLU_SISMA_DOWN | Max | 8.882E-15 | 0.0000 | 46-1 |
| 46 | 28 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLU_SISMA_DOWN | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 28 | SLU_SISMA_UP | Max | 0.0000 | 0.0000 | 46-1 |

**Table: Element Joint Forces - Frames, Part 2 of 2**

| Frame | Joint | OutputCase | StepType | M2 | M3 | FrameElem |
|---|---|---|---|---|---|---|
| | | | | KN-m | KN-m | |
| 46 | 31 | SLU_SISMA _UP | Max | 8.882E-15 | 0.0000 | 46-1 |
| 46 | 28 | SLU_SISMA _UP | Min | 0.0000 | 0.0000 | 46-1 |
| 46 | 31 | SLU_SISMA _UP | Min | 0.0000 | 0.0000 | 46-1 |

## Table: Frame Auto Mesh Assignments

**Table: Frame Auto Mesh Assignments**

| Frame | AutoMesh | AtJoints | AtFrames | NumSegments | MaxLength | MaxDegrees |
|---|---|---|---|---|---|---|
| | | | | | m | Degrees |
| 1 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 2 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 3 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 4 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 5 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 6 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 7 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 8 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 9 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 10 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 11 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 12 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 13 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 14 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 15 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 16 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 17 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 18 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 19 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 20 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 21 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 22 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 23 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 24 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 25 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 26 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 27 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 28 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 29 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 30 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 31 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 32 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 33 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 34 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 35 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 36 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 37 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 38 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 39 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 40 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 41 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 42 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 43 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 44 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 45 | Yes | Yes | No | 0 | 0.000000 | 0.000 |
| 46 | Yes | Yes | No | 0 | 0.000000 | 0.000 |

## Table: Frame Design Procedures

**Table: Frame Design Procedures**

| Frame | DesignProc |
|---|---|
| 1 | From Material |
| 2 | From Material |
| 3 | From Material |
| 4 | From Material |
| 5 | From Material |
| 6 | From Material |
| 7 | From Material |
| 8 | From Material |
| 9 | From Material |
| 10 | From Material |
| 11 | From Material |
| 12 | From Material |
| 13 | From Material |
| 14 | From Material |
| 15 | From Material |
| 16 | From Material |
| 17 | From Material |
| 18 | From Material |
| 19 | From Material |
| 20 | From Material |
| 21 | From Material |
| 22 | From Material |
| 23 | From Material |
| 24 | From Material |
| 25 | From Material |
| 26 | From Material |
| 27 | From Material |
| 28 | From Material |
| 29 | From Material |
| 30 | From Material |

**Table: Frame Design Procedures**

| Frame | DesignProc |
|---|---|
| 31 | From Material |
| 32 | From Material |
| 33 | From Material |
| 34 | From Material |
| 35 | From Material |
| 36 | From Material |
| 37 | From Material |
| 38 | From Material |
| 39 | From Material |
| 40 | From Material |
| 41 | From Material |
| 42 | From Material |
| 43 | From Material |
| 44 | From Material |
| 45 | From Material |
| 46 | From Material |

## Table: Frame Loads - Distributed, Part 1 of 3

**Table: Frame Loads - Distributed, Part 1 of 3**

| Frame | LoadPat | CoordSys | Type | Dir | DistType | RelDistA |
|---|---|---|---|---|---|---|
| 1 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 1 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 1 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 2 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 2 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 2 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 3 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 3 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 3 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 4 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 4 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 4 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 5 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 5 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 5 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 5 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 5 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 5 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 5 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 5 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 6 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 6 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |

**Table: Frame Loads - Distributed, Part 1 of 3**

| Frame | LoadPat | CoordSys | Type | Dir | DistType | RelDistA |
|---|---|---|---|---|---|---|
| 6 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 6 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 6 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 6 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 6 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 6 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 7 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 7 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 7 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 7 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 7 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 7 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 7 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 7 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 8 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 8 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 8 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 8 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 8 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 8 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 8 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 8 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 9 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 9 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 9 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 9 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 9 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 9 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 9 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 9 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 10 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 10 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 10 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 10 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 10 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 10 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 10 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 10 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 11 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 11 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 11 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 11 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 11 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 11 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 11 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 11 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 12 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 12 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 12 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |

**Table: Frame Loads - Distributed, Part 1 of 3**

| Frame | LoadPat | CoordSys | Type | Dir | DistType | RelDistA |
|---|---|---|---|---|---|---|
| 12 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 12 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 12 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 12 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 12 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 13 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 13 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 13 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 13 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 13 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 13 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 13 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 13 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 14 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 14 | PHSX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 14 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 14 | PHSX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 14 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 14 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 14 | PHSX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 14 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 15 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 15 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 15 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 15 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 15 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 15 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 15 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 15 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 16 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 16 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 16 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 16 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 16 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 16 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 16 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 16 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 17 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 17 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 17 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 17 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 17 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 17 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 17 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 17 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 18 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 18 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 18 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 18 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 18 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |

**Table: Frame Loads - Distributed, Part 1 of 3**

| Frame | LoadPat | CoordSys | Type | Dir | DistType | RelDistA |
|---|---|---|---|---|---|---|
| 18 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 18 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 18 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 19 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 19 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 19 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 19 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 19 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 19 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 19 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 19 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 20 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 20 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 20 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 20 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 20 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 20 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 20 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 20 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 21 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 21 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 21 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 21 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 21 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 21 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 21 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 21 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 22 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 22 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 22 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 22 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 22 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 22 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 22 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 22 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 23 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 23 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 23 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 23 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 23 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 23 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 23 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 23 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 24 | PV_SLE | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 24 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 24 | PV_SLE_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 24 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 24 | PV_SLE_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 24 | PV_SLU_SISMA_DOWN | GLOBAL | Force | Gravity | RelDist | 0.0000 |

**Table: Frame Loads - Distributed, Part 1 of 3**

| Frame | LoadPat | CoordSys | Type | Dir | DistType | RelDistA |
|---|---|---|---|---|---|---|
| 24 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 24 | PV_SLU_SISMA_UP | GLOBAL | Force | Gravity | RelDist | 0.0000 |
| 25 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 25 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 25 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 26 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 26 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 26 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 27 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 27 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 27 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 28 | PHDX_SLE | GLOBAL | Force | X | RelDist | 0.0000 |
| 28 | PHDX_SLE_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |
| 28 | PHDX_SLU_SISMA | GLOBAL | Force | X | RelDist | 0.0000 |

## Table: Frame Loads - Distributed, Part 2 of 3

**Table: Frame Loads - Distributed, Part 2 of 3**

| Frame | LoadPat | RelDistB | AbsDistA | AbsDistB | FOverLA | FOverLB |
|---|---|---|---|---|---|---|
| | | | m | m | KN/m | KN/m |
| 1 | PHSX_SLE | 1.0000 | 0.00000 | 0.89215 | 132.45 | 132.45 |
| 1 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 0.89215 | 144.82 | 144.82 |
| 1 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 0.89215 | 189.59 | 189.59 |
| 2 | PHSX_SLE | 1.0000 | 0.00000 | 0.89498 | 124.86 | 124.86 |
| 2 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 0.89498 | 137.23 | 137.23 |
| 2 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 0.89498 | 180.49 | 180.49 |
| 3 | PHSX_SLE | 1.0000 | 0.00000 | 0.89498 | 117.18 | 117.18 |
| 3 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 0.89498 | 129.55 | 129.55 |
| 3 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 0.89498 | 171.28 | 171.28 |
| 4 | PHSX_SLE | 1.0000 | 0.00000 | 0.89498 | 109.59 | 109.59 |
| 4 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 0.89498 | 121.96 | 121.96 |
| 4 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 0.89498 | 162.18 | 162.18 |
| 5 | PV_SLE | 1.0000 | 0.00000 | 1.18320 | 19.76 | 19.76 |
| 5 | PHSX_SLE | 1.0000 | 0.00000 | 1.18320 | 100.37 | 100.37 |
| 5 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18320 | 20.40 | 20.40 |
| 5 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.18320 | 112.70 | 112.70 |
| 5 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18320 | 19.13 | 19.13 |
| 5 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18320 | 21.35 | 21.35 |
| 5 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.18320 | 151.02 | 151.02 |
| 5 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18320 | 18.18 | 18.18 |
| 6 | PV_SLE | 1.0000 | 0.00000 | 1.18320 | 52.93 | 52.93 |
| 6 | PHSX_SLE | 1.0000 | 0.00000 | 1.18320 | 87.98 | 87.98 |
| 6 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18320 | 54.64 | 54.64 |
| 6 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.18320 | 99.96 | 99.96 |
| 6 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18320 | 51.23 | 51.23 |
| 6 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18320 | 57.18 | 57.18 |
| 6 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.18320 | 135.30 | 135.30 |
| 6 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18320 | 48.69 | 48.69 |
| 7 | PV_SLE | 1.0000 | 0.00000 | 1.18320 | 77.46 | 77.46 |
| 7 | PHSX_SLE | 1.0000 | 0.00000 | 1.18320 | 74.26 | 74.26 |
| 7 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18320 | 79.96 | 79.96 |
| 7 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.18320 | 85.56 | 85.56 |
| 7 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18320 | 74.97 | 74.97 |
| 7 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18320 | 83.68 | 83.68 |

**Table: Frame Loads - Distributed, Part 2 of 3**

| Frame | LoadPat | RelDistB | AbsDistA | AbsDistB | FOverLA | FOverLB |
|---|---|---|---|---|---|---|
| | | | m | m | KN/m | KN/m |
| 7 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.18320 | 117.17 | 117.17 |
| 7 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18320 | 71.25 | 71.25 |
| 8 | PV_SLE | 1.0000 | 0.00000 | 1.18328 | 93.88 | 93.88 |
| 8 | PHSX_SLE | 1.0000 | 0.00000 | 1.18328 | 60.44 | 60.44 |
| 8 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18328 | 96.91 | 96.91 |
| 8 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.18328 | 70.75 | 70.75 |
| 8 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18328 | 90.85 | 90.85 |
| 8 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18328 | 101.41 | 101.41 |
| 8 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.18328 | 98.13 | 98.13 |
| 8 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18328 | 86.34 | 86.34 |
| 9 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 102.03 | 102.03 |
| 9 | PHSX_SLE | 1.0000 | 0.00000 | 1.18346 | 47.70 | 47.70 |
| 9 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 105.32 | 105.32 |
| 9 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | 56.84 | 56.84 |
| 9 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 98.74 | 98.74 |
| 9 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 110.22 | 110.22 |
| 9 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | 79.93 | 79.93 |
| 9 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 93.84 | 93.84 |
| 10 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 105.11 | 105.11 |
| 10 | PHSX_SLE | 1.0000 | 0.00000 | 1.18346 | 36.26 | 36.26 |
| 10 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 108.50 | 108.50 |
| 10 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | 44.04 | 44.04 |
| 10 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 101.72 | 101.72 |
| 10 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 113.55 | 113.55 |
| 10 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | 62.83 | 62.83 |
| 10 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 96.68 | 96.68 |
| 11 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 105.15 | 105.15 |
| 11 | PHSX_SLE | 1.0000 | 0.00000 | 1.18346 | 26.21 | 26.21 |
| 11 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 108.54 | 108.54 |
| 11 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | 32.46 | 32.46 |
| 11 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 101.76 | 101.76 |
| 11 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 113.59 | 113.59 |
| 11 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | 46.96 | 46.96 |
| 11 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 96.71 | 96.71 |
| 12 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 103.54 | 103.54 |
| 12 | PHSX_SLE | 1.0000 | 0.00000 | 1.18346 | 17.53 | 17.53 |
| 12 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 106.88 | 106.88 |
| 12 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | 22.09 | 22.09 |
| 12 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 100.20 | 100.20 |
| 12 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 111.85 | 111.85 |
| 12 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | 32.37 | 32.37 |
| 12 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 95.23 | 95.23 |
| 13 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 101.73 | 101.73 |
| 13 | PHSX_SLE | 1.0000 | 0.00000 | 1.18346 | 10.01 | 10.01 |
| 13 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 105.01 | 105.01 |
| 13 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | 12.79 | 12.79 |
| 13 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 98.45 | 98.45 |
| 13 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 109.89 | 109.89 |
| 13 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | 18.92 | 18.92 |
| 13 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 93.56 | 93.56 |

**Table: Frame Loads - Distributed, Part 2 of 3**

| Frame | LoadPat | RelDistB | AbsDistA | AbsDistB | FOverLA | FOverLB |
|---|---|---|---|---|---|---|
| | | | m | m | KN/m | KN/m |
| 14 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 100.51 | 100.51 |
| 14 | PHSX_SLE | 1.0000 | 0.00000 | 1.18346 | 3.25 | 3.25 |
| 14 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 103.75 | 103.75 |
| 14 | PHSX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | 4.18 | 4.18 |
| 14 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 97.27 | 97.27 |
| 14 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 108.58 | 108.58 |
| 14 | PHSX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | 6.22 | 6.22 |
| 14 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 92.45 | 92.45 |
| 15 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 100.51 | 100.51 |
| 15 | PHDX_SLE | 1.0000 | 0.00000 | 1.18346 | -3.25 | -3.25 |
| 15 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 103.75 | 103.75 |
| 15 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | -2.31 | -2.31 |
| 15 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 97.27 | 97.27 |
| 15 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 108.58 | 108.58 |
| 15 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | -1.57 | -1.57 |
| 15 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 92.45 | 92.45 |
| 16 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 101.73 | 101.73 |
| 16 | PHDX_SLE | 1.0000 | 0.00000 | 1.18346 | -10.01 | -10.01 |
| 16 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 105.01 | 105.01 |
| 16 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | -7.23 | -7.23 |
| 16 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 98.45 | 98.45 |
| 16 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 109.89 | 109.89 |
| 16 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | -5.08 | -5.08 |
| 16 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 93.56 | 93.56 |
| 17 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 103.54 | 103.54 |
| 17 | PHDX_SLE | 1.0000 | 0.00000 | 1.18346 | -17.53 | -17.53 |
| 17 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 106.88 | 106.88 |
| 17 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | -12.96 | -12.96 |
| 17 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 100.20 | 100.20 |
| 17 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 111.85 | 111.85 |
| 17 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | -9.66 | -9.66 |
| 17 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 95.23 | 95.23 |
| 18 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 105.15 | 105.15 |
| 18 | PHDX_SLE | 1.0000 | 0.00000 | 1.18346 | -26.21 | -26.21 |
| 18 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 108.54 | 108.54 |
| 18 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | -19.97 | -19.97 |
| 18 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 101.76 | 101.76 |
| 18 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 113.59 | 113.59 |
| 18 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | -15.89 | -15.89 |
| 18 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 96.71 | 96.71 |
| 19 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 105.11 | 105.11 |
| 19 | PHDX_SLE | 1.0000 | 0.00000 | 1.18346 | -36.26 | -36.26 |
| 19 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 108.50 | 108.50 |
| 19 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | -28.48 | -28.48 |
| 19 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 101.72 | 101.72 |
| 19 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 113.55 | 113.55 |
| 19 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | -24.11 | -24.11 |
| 19 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 96.68 | 96.68 |
| 20 | PV_SLE | 1.0000 | 0.00000 | 1.18346 | 102.03 | 102.03 |
| 20 | PHDX_SLE | 1.0000 | 0.00000 | 1.18346 | -47.70 | -47.70 |

**Table: Frame Loads - Distributed, Part 2 of 3**

| Frame | LoadPat | RelDistB | AbsDistA | AbsDistB | FOverLA | FOverLB |
|---|---|---|---|---|---|---|
| | | | m | m | KN/m | KN/m |
| 20 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 105.32 | 105.32 |
| 20 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.18346 | -38.56 | -38.56 |
| 20 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 98.74 | 98.74 |
| 20 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18346 | 110.22 | 110.22 |
| 20 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.18346 | -34.45 | -34.45 |
| 20 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18346 | 93.84 | 93.84 |
| 21 | PV_SLE | 1.0000 | 0.00000 | 1.18328 | 93.88 | 93.88 |
| 21 | PHDX_SLE | 1.0000 | 0.00000 | 1.18328 | -60.44 | -60.44 |
| 21 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18328 | 96.91 | 96.91 |
| 21 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.18328 | -50.12 | -50.12 |
| 21 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18328 | 90.85 | 90.85 |
| 21 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18328 | 101.41 | 101.41 |
| 21 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.18328 | -46.80 | -46.80 |
| 21 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18328 | 86.34 | 86.34 |
| 22 | PV_SLE | 1.0000 | 0.00000 | 1.18320 | 77.46 | 77.46 |
| 22 | PHDX_SLE | 1.0000 | 0.00000 | 1.18320 | -74.26 | -74.26 |
| 22 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18320 | 79.96 | 79.96 |
| 22 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.18320 | -62.96 | -62.96 |
| 22 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18320 | 74.97 | 74.97 |
| 22 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18320 | 83.68 | 83.68 |
| 22 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.18320 | -60.91 | -60.91 |
| 22 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18320 | 71.25 | 71.25 |
| 23 | PV_SLE | 1.0000 | 0.00000 | 1.18320 | 52.93 | 52.93 |
| 23 | PHDX_SLE | 1.0000 | 0.00000 | 1.18320 | -87.98 | -87.98 |
| 23 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18320 | 54.64 | 54.64 |
| 23 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.18320 | -76.00 | -76.00 |
| 23 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18320 | 51.23 | 51.23 |
| 23 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18320 | 57.18 | 57.18 |
| 23 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.18320 | -75.67 | -75.67 |
| 23 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18320 | 48.69 | 48.69 |
| 24 | PV_SLE | 1.0000 | 0.00000 | 1.18323 | 19.76 | 19.76 |
| 24 | PHDX_SLE | 1.0000 | 0.00000 | 1.18323 | -100.37 | -100.37 |
| 24 | PV_SLE_SISMA_DOWN | 1.0000 | 0.00000 | 1.18323 | 20.40 | 20.40 |
| 24 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 1.18323 | -88.04 | -88.04 |
| 24 | PV_SLE_SISMA_UP | 1.0000 | 0.00000 | 1.18323 | 19.13 | 19.13 |
| 24 | PV_SLU_SISMA_DOWN | 1.0000 | 0.00000 | 1.18323 | 21.35 | 21.35 |
| 24 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 1.18323 | -89.67 | -89.67 |
| 24 | PV_SLU_SISMA_UP | 1.0000 | 0.00000 | 1.18323 | 18.18 | 18.18 |
| 25 | PHDX_SLE | 1.0000 | 0.00000 | 0.89498 | -109.59 | -109.59 |
| 25 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 0.89498 | -97.22 | -97.22 |
| 25 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 0.89498 | -100.62 | -100.62 |
| 26 | PHDX_SLE | 1.0000 | 0.00000 | 0.89498 | -117.18 | -117.18 |
| 26 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 0.89498 | -104.81 | -104.81 |
| 26 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 0.89498 | -109.72 | -109.72 |
| 27 | PHDX_SLE | 1.0000 | 0.00000 | 0.89493 | -124.86 | -124.86 |
| 27 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 0.89493 | -112.49 | -112.49 |
| 27 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 0.89493 | -118.92 | -118.92 |
| 28 | PHDX_SLE | 1.0000 | 0.00000 | 0.89214 | -132.45 | -132.45 |
| 28 | PHDX_SLE_SISMA | 1.0000 | 0.00000 | 0.89214 | -120.08 | -120.08 |
| 28 | PHDX_SLU_SISMA | 1.0000 | 0.00000 | 0.89214 | -128.02 | -128.02 |

## Table: Frame Loads - Distributed, Part 3 of 3

**Table: Frame Loads - Distributed, Part 3 of 3**

| Frame | LoadPat | GUID |
|---|---|---|
| 1 | PHSX_SLE | |
| 1 | PHSX_SLE_SISMA | |
| 1 | PHSX_SLU_SISMA | |
| 2 | PHSX_SLE | |
| 2 | PHSX_SLE_SISMA | |
| 2 | PHSX_SLU_SISMA | |
| 3 | PHSX_SLE | |
| 3 | PHSX_SLE_SISMA | |
| 3 | PHSX_SLU_SISMA | |
| 4 | PHSX_SLE | |
| 4 | PHSX_SLE_SISMA | |
| 4 | PHSX_SLU_SISMA | |
| 5 | PV_SLE | |
| 5 | PHSX_SLE | |
| 5 | PV_SLE_SISMA_DOWN | |
| 5 | PHSX_SLE_SISMA | |
| 5 | PV_SLE_SISMA_UP | |
| 5 | PV_SLU_SISMA_DOWN | |
| 5 | PHSX_SLU_SISMA | |
| 5 | PV_SLU_SISMA_UP | |
| 6 | PV_SLE | |
| 6 | PHSX_SLE | |
| 6 | PV_SLE_SISMA_DOWN | |
| 6 | PHSX_SLE_SISMA | |
| 6 | PV_SLE_SISMA_UP | |
| 6 | PV_SLU_SISMA_DOWN | |
| 6 | PHSX_SLU_SISMA | |
| 6 | PV_SLU_SISMA_UP | |
| 7 | PV_SLE | |
| 7 | PHSX_SLE | |
| 7 | PV_SLE_SISMA_DOWN | |
| 7 | PHSX_SLE_SISMA | |
| 7 | PV_SLE_SISMA_UP | |
| 7 | PV_SLU_SISMA_DOWN | |
| 7 | PHSX_SLU_SISMA | |
| 7 | PV_SLU_SISMA_UP | |
| 8 | PV_SLE | |
| 8 | PHSX_SLE | |
| 8 | PV_SLE_SISMA_DOWN | |
| 8 | PHSX_SLE_SISMA | |
| 8 | PV_SLE_SISMA_UP | |
| 8 | PV_SLU_SISMA_DOWN | |
| 8 | PHSX_SLU_SISMA | |
| 8 | PV_SLU_SISMA_UP | |
| 9 | PV_SLE | |
| 9 | PHSX_SLE | |
| 9 | PV_SLE_SISMA_DOWN | |
| 9 | PHSX_SLE_SISMA | |
| 9 | PV_SLE_SISMA_UP | |

**Table: Frame Loads - Distributed, Part 3 of 3**

| Frame | LoadPat | GUID |
|---|---|---|
| 9 | PV_SLU_SISMA_DOWN | |
| 9 | PHSX_SLU_SISMA | |
| 9 | PV_SLU_SISMA_UP | |
| 10 | PV_SLE | |
| 10 | PHSX_SLE | |
| 10 | PV_SLE_SISMA_DOWN | |
| 10 | PHSX_SLE_SISMA | |
| 10 | PV_SLE_SISMA_UP | |
| 10 | PV_SLU_SISMA_DOWN | |
| 10 | PHSX_SLU_SISMA | |
| 10 | PV_SLU_SISMA_UP | |
| 11 | PV_SLE | |
| 11 | PHSX_SLE | |
| 11 | PV_SLE_SISMA_DOWN | |
| 11 | PHSX_SLE_SISMA | |
| 11 | PV_SLE_SISMA_UP | |
| 11 | PV_SLU_SISMA_DOWN | |
| 11 | PHSX_SLU_SISMA | |
| 11 | PV_SLU_SISMA_UP | |
| 12 | PV_SLE | |
| 12 | PHSX_SLE | |
| 12 | PV_SLE_SISMA_DOWN | |
| 12 | PHSX_SLE_SISMA | |
| 12 | PV_SLE_SISMA_UP | |
| 12 | PV_SLU_SISMA_DOWN | |
| 12 | PHSX_SLU_SISMA | |
| 12 | PV_SLU_SISMA_UP | |
| 13 | PV_SLE | |
| 13 | PHSX_SLE | |
| 13 | PV_SLE_SISMA_DOWN | |
| 13 | PHSX_SLE_SISMA | |
| 13 | PV_SLE_SISMA_UP | |
| 13 | PV_SLU_SISMA_DOWN | |
| 13 | PHSX_SLU_SISMA | |
| 13 | PV_SLU_SISMA_UP | |
| 14 | PV_SLE | |
| 14 | PHSX_SLE | |
| 14 | PV_SLE_SISMA_DOWN | |
| 14 | PHSX_SLE_SISMA | |
| 14 | PV_SLE_SISMA_UP | |
| 14 | PV_SLU_SISMA_DOWN | |
| 14 | PHSX_SLU_SISMA | |
| 14 | PV_SLU_SISMA_UP | |
| 15 | PV_SLE | |
| 15 | PHDX_SLE | |
| 15 | PV_SLE_SISMA_DOWN | |
| 15 | PHDX_SLE_SISMA | |
| 15 | PV_SLE_SISMA_UP | |
| 15 | PV_SLU_SISMA_DOWN | |

**Table: Frame Loads - Distributed, Part 3 of 3**

| Frame | LoadPat | GUID |
|---|---|---|
| 15 | PHDX_SLU_SISMA | |
| 15 | PV_SLU_SISMA_UP | |
| 16 | PV_SLE | |
| 16 | PHDX_SLE | |
| 16 | PV_SLE_SISMA_DOWN | |
| 16 | PHDX_SLE_SISMA | |
| 16 | PV_SLE_SISMA_UP | |
| 16 | PV_SLU_SISMA_DOWN | |
| 16 | PHDX_SLU_SISMA | |
| 16 | PV_SLU_SISMA_UP | |
| 17 | PV_SLE | |
| 17 | PHDX_SLE | |
| 17 | PV_SLE_SISMA_DOWN | |
| 17 | PHDX_SLE_SISMA | |
| 17 | PV_SLE_SISMA_UP | |
| 17 | PV_SLU_SISMA_DOWN | |
| 17 | PHDX_SLU_SISMA | |
| 17 | PV_SLU_SISMA_UP | |
| 18 | PV_SLE | |
| 18 | PHDX_SLE | |
| 18 | PV_SLE_SISMA_DOWN | |
| 18 | PHDX_SLE_SISMA | |
| 18 | PV_SLE_SISMA_UP | |
| 18 | PV_SLU_SISMA_DOWN | |
| 18 | PHDX_SLU_SISMA | |
| 18 | PV_SLU_SISMA_UP | |
| 19 | PV_SLE | |
| 19 | PHDX_SLE | |
| 19 | PV_SLE_SISMA_DOWN | |
| 19 | PHDX_SLE_SISMA | |
| 19 | PV_SLE_SISMA_UP | |
| 19 | PV_SLU_SISMA_DOWN | |
| 19 | PHDX_SLU_SISMA | |
| 19 | PV_SLU_SISMA_UP | |
| 20 | PV_SLE | |
| 20 | PHDX_SLE | |
| 20 | PV_SLE_SISMA_DOWN | |
| 20 | PHDX_SLE_SISMA | |
| 20 | PV_SLE_SISMA_UP | |
| 20 | PV_SLU_SISMA_DOWN | |
| 20 | PHDX_SLU_SISMA | |
| 20 | PV_SLU_SISMA_UP | |
| 21 | PV_SLE | |
| 21 | PHDX_SLE | |
| 21 | PV_SLE_SISMA_DOWN | |
| 21 | PHDX_SLE_SISMA | |
| 21 | PV_SLE_SISMA_UP | |
| 21 | PV_SLU_SISMA_DOWN | |
| 21 | PHDX_SLU_SISMA | |
| 21 | PV_SLU_SISMA_UP | |

**Table: Frame Loads - Distributed, Part 3 of 3**

| Frame | LoadPat | GUID |
|---|---|---|
| 22 | PV_SLE | |
| 22 | PHDX_SLE | |
| 22 | PV_SLE_SISMA_DOWN | |
| 22 | PHDX_SLE_SISMA | |
| 22 | PV_SLE_SISMA_UP | |
| 22 | PV_SLU_SISMA_DOWN | |
| 22 | PHDX_SLU_SISMA | |
| 22 | PV_SLU_SISMA_UP | |
| 23 | PV_SLE | |
| 23 | PHDX_SLE | |
| 23 | PV_SLE_SISMA_DOWN | |
| 23 | PHDX_SLE_SISMA | |
| 23 | PV_SLE_SISMA_UP | |
| 23 | PV_SLU_SISMA_DOWN | |
| 23 | PHDX_SLU_SISMA | |
| 23 | PV_SLU_SISMA_UP | |
| 24 | PV_SLE | |
| 24 | PHDX_SLE | |
| 24 | PV_SLE_SISMA_DOWN | |
| 24 | PHDX_SLE_SISMA | |
| 24 | PV_SLE_SISMA_UP | |
| 24 | PV_SLU_SISMA_DOWN | |
| 24 | PHDX_SLU_SISMA | |
| 24 | PV_SLU_SISMA_UP | |
| 25 | PHDX_SLE | |
| 25 | PHDX_SLE_SISMA | |
| 25 | PHDX_SLU_SISMA | |
| 26 | PHDX_SLE | |
| 26 | PHDX_SLE_SISMA | |
| 26 | PHDX_SLU_SISMA | |
| 27 | PHDX_SLE | |
| 27 | PHDX_SLE_SISMA | |
| 27 | PHDX_SLU_SISMA | |
| 28 | PHDX_SLE | |
| 28 | PHDX_SLE_SISMA | |
| 28 | PHDX_SLU_SISMA | |

## Table: Frame Output Station Assignments

**Table: Frame Output Station Assignments**

| Frame | StationType | MinNumSta | MaxStaSpcg | AddAtElmInt | AddAtPtLoad |
|---|---|---|---|---|---|
| | | | m | | |
| 1 | MinNumSta | 3 | | Yes | Yes |
| 2 | MinNumSta | 3 | | Yes | Yes |
| 3 | MinNumSta | 3 | | Yes | Yes |
| 4 | MinNumSta | 3 | | Yes | Yes |
| 5 | MinNumSta | 3 | | Yes | Yes |
| 6 | MinNumSta | 3 | | Yes | Yes |
| 7 | MinNumSta | 3 | | Yes | Yes |
| 8 | MinNumSta | 3 | | Yes | Yes |
| 9 | MinNumSta | 3 | | Yes | Yes |
| 10 | MinNumSta | 3 | | Yes | Yes |
| 11 | MinNumSta | 3 | | Yes | Yes |

**Table: Frame Output Station Assignments**

| Frame | StationType | MinNumSta | MaxStaSpcg | AddAtElmInt | AddAtPtLoad |
|---|---|---|---|---|---|
| | | | m | | |
| 12 | MinNumSta | 3 | | Yes | Yes |
| 13 | MinNumSta | 3 | | Yes | Yes |
| 14 | MinNumSta | 3 | | Yes | Yes |
| 15 | MinNumSta | 3 | | Yes | Yes |
| 16 | MinNumSta | 3 | | Yes | Yes |
| 17 | MinNumSta | 3 | | Yes | Yes |
| 18 | MinNumSta | 3 | | Yes | Yes |
| 19 | MinNumSta | 3 | | Yes | Yes |
| 20 | MinNumSta | 3 | | Yes | Yes |
| 21 | MinNumSta | 3 | | Yes | Yes |
| 22 | MinNumSta | 3 | | Yes | Yes |
| 23 | MinNumSta | 3 | | Yes | Yes |
| 24 | MinNumSta | 3 | | Yes | Yes |
| 25 | MinNumSta | 3 | | Yes | Yes |
| 26 | MinNumSta | 3 | | Yes | Yes |
| 27 | MinNumSta | 3 | | Yes | Yes |
| 28 | MinNumSta | 3 | | Yes | Yes |
| 29 | MaxStaSpcg | | 0.50000 | Yes | Yes |
| 30 | MaxStaSpcg | | 0.50000 | Yes | Yes |
| 31 | MinNumSta | 3 | | Yes | Yes |
| 32 | MinNumSta | 3 | | Yes | Yes |
| 33 | MinNumSta | 3 | | Yes | Yes |
| 34 | MinNumSta | 3 | | Yes | Yes |
| 35 | MinNumSta | 3 | | Yes | Yes |
| 36 | MinNumSta | 3 | | Yes | Yes |
| 37 | MinNumSta | 3 | | Yes | Yes |
| 38 | MinNumSta | 3 | | Yes | Yes |
| 39 | MinNumSta | 3 | | Yes | Yes |
| 40 | MinNumSta | 3 | | Yes | Yes |
| 41 | MinNumSta | 3 | | Yes | Yes |
| 42 | MinNumSta | 3 | | Yes | Yes |
| 43 | MaxStaSpcg | | 0.50000 | Yes | Yes |
| 44 | MaxStaSpcg | | 0.50000 | Yes | Yes |
| 45 | MinNumSta | 3 | | Yes | Yes |
| 46 | MinNumSta | 3 | | Yes | Yes |

## Table: Frame Release Assignments 1 - General, Part 1 of 2

**Table: Frame Release Assignments 1 - General, Part 1 of 2**

| Frame | PI | V2I | V3I | TI | M2I | M3I | PJ | V2J |
|---|---|---|---|---|---|---|---|---|
| 45 | No | No | No | No | No | Yes | No | No |
| 46 | No | No | No | No | No | Yes | No | No |

## Table: Frame Release Assignments 1 - General, Part 2 of 2

**Table: Frame Release Assignments 1 - General, Part 2 of 2**

| Frame | V3J | TJ | M2J | M3J | PartialFix |
|---|---|---|---|---|---|
| 45 | No | No | No | Yes | No |
| 46 | No | No | No | Yes | No |

## Table: Frame Section Assignments, Part 1 of 2

**Table: Frame Section Assignments, Part 1 of 2**

| Frame | SectionType | AutoSelect | AnalSect | DesignSect | MatProp |
|---|---|---|---|---|---|
| 1 | Nonprismatic | N.A. | 284_235 | 284_235 | Default |
| 2 | Nonprismatic | N.A. | 235_201 | 235_201 | Default |
| 3 | Nonprismatic | N.A. | 201_182 | 201_182 | Default |
| 4 | Nonprismatic | N.A. | 182_176 | 182_176 | Default |
| 5 | Nonprismatic | N.A. | 176_187 | 176_187 | Default |
| 6 | Nonprismatic | N.A. | 187_224 | 187_224 | Default |
| 7 | Nonprismatic | N.A. | 224_263 | 224_263 | Default |
| 8 | Nonprismatic | N.A. | 263_190 | 263_190 | Default |
| 9 | Nonprismatic | N.A. | 190_147 | 190_147 | Default |
| 10 | Nonprismatic | N.A. | 147_127 | 147_127 | Default |
| 11 | Nonprismatic | N.A. | 127_125 | 127_125 | Default |
| 12 | Rectangular | N.A. | 125 | 125 | Default |
| 13 | Rectangular | N.A. | 125 | 125 | Default |
| 14 | Rectangular | N.A. | 125 | 125 | Default |
| 15 | Rectangular | N.A. | 125 | 125 | Default |
| 16 | Rectangular | N.A. | 125 | 125 | Default |
| 17 | Rectangular | N.A. | 125 | 125 | Default |
| 18 | Nonprismatic | N.A. | 125_127 | 125_127 | Default |
| 19 | Nonprismatic | N.A. | 127_147 | 127_147 | Default |
| 20 | Nonprismatic | N.A. | 147_190 | 147_190 | Default |
| 21 | Nonprismatic | N.A. | 190_263 | 190_263 | Default |
| 22 | Nonprismatic | N.A. | 263_224 | 263_224 | Default |
| 23 | Nonprismatic | N.A. | 224_187 | 224_187 | Default |
| 24 | Nonprismatic | N.A. | 187_176 | 187_176 | Default |
| 25 | Nonprismatic | N.A. | 176_182 | 176_182 | Default |
| 26 | Nonprismatic | N.A. | 182_201 | 182_201 | Default |
| 27 | Nonprismatic | N.A. | 201_235 | 201_235 | Default |
| 28 | Nonprismatic | N.A. | 235_284 | 235_284 | Default |
| 29 | Rectangular | N.A. | 120 | 120 | Default |
| 30 | Rectangular | N.A. | 120 | 120 | Default |
| 31 | Rectangular | N.A. | 120 | 120 | Default |
| 32 | Rectangular | N.A. | 120 | 120 | Default |
| 33 | Rectangular | N.A. | 120 | 120 | Default |
| 34 | Rectangular | N.A. | 120 | 120 | Default |
| 35 | Rectangular | N.A. | 120 | 120 | Default |
| 36 | Rectangular | N.A. | 120 | 120 | Default |
| 37 | Rectangular | N.A. | 120 | 120 | Default |
| 38 | Rectangular | N.A. | 120 | 120 | Default |
| 39 | Rectangular | N.A. | 120 | 120 | Default |
| 40 | Rectangular | N.A. | 120 | 120 | Default |
| 41 | Rectangular | N.A. | 120 | 120 | Default |
| 42 | Rectangular | N.A. | 120 | 120 | Default |
| 43 | Rectangular | N.A. | 120 | 120 | Default |
| 44 | Rectangular | N.A. | 120 | 120 | Default |
| 45 | Rectangular | N.A. | 120 | 120 | Default |
| 46 | Rectangular | N.A. | 120 | 120 | Default |

## Table: Frame Section Assignments, Part 2 of 2

**Table: Frame Section Assignments, Part 2 of 2**

| Frame | NPSectType | NPSectLen | NPSectRD |
|---|---|---|---|
| | | m | |
| 1 | Default | | |
| 2 | Default | | |
| 3 | Default | | |
| 4 | Default | | |
| 5 | Default | | |

**Table: Frame Section Assignments, Part 2 of 2**

| Frame | NPSectType | NPSectLen | NPSectRD |
|---|---|---|---|
| | | m | |
| 6 | Default | | |
| 7 | Default | | |
| 8 | Default | | |
| 9 | Default | | |
| 10 | Default | | |
| 11 | Default | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | Default | | |
| 19 | Default | | |
| 20 | Default | | |
| 21 | Default | | |
| 22 | Default | | |
| 23 | Default | | |
| 24 | Default | | |
| 25 | Default | | |
| 26 | Default | | |
| 27 | Default | | |
| 28 | Default | | |
| 29 | | | |
| 30 | | | |
| 31 | | | |
| 32 | | | |
| 33 | | | |
| 34 | | | |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |

## Table: Frame Section Properties 01 - General, Part 1 of 5

**Table: Frame Section Properties 01 - General, Part 1 of 5**

| SectionName | Material | Shape | t3 | t2 | Area | TorsConst |
|---|---|---|---|---|---|---|
| | | | m | m | m2 | m4 |
| 120 | CONC Rck 30 MPa | Rectangular | 1.200000 | 1.000000 | 1.200000 | 0.198439 |
| 125 | CONC Rck 30 MPa | Rectangular | 1.250000 | 1.000000 | 1.250000 | 0.213835 |
| 125_127 | | Nonprismatic | | | | |
| 127 | CONC Rck 30 MPa | Rectangular | 1.270000 | 1.000000 | 1.270000 | 0.220060 |
| 127_125 | | Nonprismatic | | | | |
| 127_147 | | Nonprismatic | | | | |
| 147 | CONC Rck 30 MPa | Rectangular | 1.470000 | 1.000000 | 1.470000 | 0.283748 |
| 147_127 | | Nonprismatic | | | | |
| 147_190 | | Nonprismatic | | | | |
| 176 | CONC Rck 30 MPa | Rectangular | 1.760000 | 1.000000 | 1.760000 | 0.378491 |
| 176_182 | | Nonprismatic | | | | |
| 176_187 | | Nonprismatic | | | | |

**Table: Frame Section Properties 01 - General, Part 1 of 5**

| SectionName | Material | Shape | t3 | t2 | Area | TorsConst |
|---|---|---|---|---|---|---|
| | | | m | m | m2 | m4 |
| 182 | CONC Rck 30 MPa | Rectangular | 1.820000 | 1.000000 | 1.820000 | 0.398262 |
| 182_176 | | Nonprismatic | | | | |
| 182_201 | | Nonprismatic | | | | |
| 187 | CONC Rck 30 MPa | Rectangular | 1.870000 | 1.000000 | 1.870000 | 0.414764 |
| 187_176 | | Nonprismatic | | | | |
| 187_224 | | Nonprismatic | | | | |
| 190 | CONC Rck 30 MPa | Rectangular | 1.900000 | 1.000000 | 1.900000 | 0.424676 |
| 190_147 | | Nonprismatic | | | | |
| 190_263 | | Nonprismatic | | | | |
| 201 | CONC Rck 30 MPa | Rectangular | 2.010000 | 1.000000 | 2.010000 | 0.461072 |
| 201_182 | | Nonprismatic | | | | |
| 201_235 | | Nonprismatic | | | | |
| 218_191 | | Nonprismatic | | | | |
| 224 | CONC Rck 30 MPa | Rectangular | 2.240000 | 1.000000 | 2.240000 | 0.537362 |
| 224_187 | | Nonprismatic | | | | |
| 224_263 | | Nonprismatic | | | | |
| 235 | CONC Rck 30 MPa | Rectangular | 2.350000 | 1.000000 | 2.350000 | 0.573907 |
| 235_201 | | Nonprismatic | | | | |
| 235_284 | | Nonprismatic | | | | |
| 263 | CONC Rck 30 MPa | Rectangular | 2.630000 | 1.000000 | 2.630000 | 0.667032 |
| 263_190 | | Nonprismatic | | | | |
| 263_224 | | Nonprismatic | | | | |
| 284 | CONC Rck 30 MPa | Rectangular | 2.840000 | 1.000000 | 2.840000 | 0.736936 |
| 284_235 | | Nonprismatic | | | | |

## Table: Frame Section Properties 01 - General, Part 2 of 5

**Table: Frame Section Properties 01 - General, Part 2 of 5**

| SectionName | I33 | I22 | AS2 | AS3 | S33 | S22 | Z33 |
|---|---|---|---|---|---|---|---|
| | m4 | m4 | m2 | m2 | m3 | m3 | m3 |
| 120 | 0.144000 | 0.100000 | 1.000000 | 1.000000 | 0.240000 | 0.200000 | 0.360000 |
| 125 | 0.162760 | 0.104167 | 1.041667 | 1.041667 | 0.260417 | 0.208333 | 0.390625 |
| 125_127 | | | | | | | |
| 127 | 0.170699 | 0.105833 | 1.058333 | 1.058333 | 0.268817 | 0.211667 | 0.403225 |
| 127_125 | | | | | | | |
| 127_147 | | | | | | | |
| 147 | 0.264710 | 0.122500 | 1.225000 | 1.225000 | 0.360150 | 0.245000 | 0.540225 |
| 147_127 | | | | | | | |
| 147_190 | | | | | | | |
| 176 | 0.454315 | 0.146667 | 1.466667 | 1.466667 | 0.516267 | 0.293333 | 0.774400 |
| 176_182 | | | | | | | |
| 176_187 | | | | | | | |
| 182 | 0.502381 | 0.151667 | 1.516667 | 1.516667 | 0.552067 | 0.303333 | 0.828100 |
| 182_176 | | | | | | | |
| 182_201 | | | | | | | |
| 187 | 0.544934 | 0.155833 | 1.558333 | 1.558333 | 0.582817 | 0.311667 | 0.874225 |
| 187_176 | | | | | | | |
| 187_224 | | | | | | | |
| 190 | 0.571583 | 0.158333 | 1.583333 | 1.583333 | 0.601667 | 0.316667 | 0.902500 |
| 190_147 | | | | | | | |
| 190_263 | | | | | | | |
| 201 | 0.676717 | 0.167500 | 1.675000 | 1.675000 | 0.673350 | 0.335000 | 1.010025 |
| 201_182 | | | | | | | |
| 201_235 | | | | | | | |
| 218_191 | | | | | | | |
| 224 | 0.936619 | 0.186667 | 1.866667 | 1.866667 | 0.836267 | 0.373333 | 1.254400 |
| 224_187 | | | | | | | |
| 224_263 | | | | | | | |
| 235 | 1.081490 | 0.195833 | 1.958333 | 1.958333 | 0.920417 | 0.391667 | 1.380625 |

**Table: Frame Section Properties 01 - General, Part 2 of 5**

| SectionName | I33 | I22 | AS2 | AS3 | S33 | S22 | Z33 |
|---|---|---|---|---|---|---|---|
| | m4 | m4 | m2 | m2 | m3 | m3 | m3 |
| 235_201 | | | | | | | |
| 235_284 | | | | | | | |
| 263 | 1.515954 | 0.219167 | 2.191667 | 2.191667 | 1.152817 | 0.438333 | 1.729225 |
| 263_190 | | | | | | | |
| 263_224 | | | | | | | |
| 284 | 1.908859 | 0.236667 | 2.366667 | 2.366667 | 1.344267 | 0.473333 | 2.016400 |
| 284_235 | | | | | | | |

## Table: Frame Section Properties 01 - General, Part 3 of 5

**Table: Frame Section Properties 01 - General, Part 3 of 5**

| SectionName | Z22 | R33 | R22 | ConcCol | ConcBeam | Color | TotalWt |
|---|---|---|---|---|---|---|---|
| | m3 | m | m | | | | KN |
| 120 | 0.300000 | 0.346410 | 0.288675 | Yes | No | Blue | 585.983 |
| 125 | 0.312500 | 0.360844 | 0.288675 | Yes | No | White | 221.899 |
| 125_127 | | | | | | White | |
| 127 | 0.317500 | 0.366617 | 0.288675 | Yes | No | White | 0.000 |
| 127_125 | | | | | | Blue | |
| 127_147 | | | | | | Blue | |
| 147 | 0.367500 | 0.424352 | 0.288675 | Yes | No | Blue | 0.000 |
| 147_127 | | | | | | White | |
| 147_190 | | | | | | White | |
| 176 | 0.440000 | 0.508068 | 0.288675 | Yes | No | Cyan | 0.000 |
| 176_182 | | | | | | Yellow | |
| 176_187 | | | | | | Blue | |
| 182 | 0.455000 | 0.525389 | 0.288675 | Yes | No | Blue | 0.000 |
| 182_176 | | | | | | Cyan | |
| 182_201 | | | | | | Blue | |
| 187 | 0.467500 | 0.539823 | 0.288675 | Yes | No | White | 0.000 |
| 187_176 | | | | | | Cyan | |
| 187_224 | | | | | | White | |
| 190 | 0.475000 | 0.548483 | 0.288675 | Yes | No | Magenta | 0.000 |
| 190_147 | | | | | | White | |
| 190_263 | | | | | | Cyan | |
| 201 | 0.502500 | 0.580237 | 0.288675 | Yes | No | Magenta | 0.000 |
| 201_182 | | | | | | Magenta | |
| 201_235 | | | | | | Cyan | |
| 218_191 | | | | | | Magenta | |
| 224 | 0.560000 | 0.646632 | 0.288675 | Yes | No | Cyan | 0.000 |
| 224_187 | | | | | | Magenta | |
| 224_263 | | | | | | White | |
| 235 | 0.587500 | 0.678387 | 0.288675 | Yes | No | White | 0.000 |
| 235_201 | | | | | | Magenta | |
| 235_284 | | | | | | Yellow | |
| 263 | 0.657500 | 0.759216 | 0.288675 | Yes | No | Gray8Dark | 0.000 |
| 263_190 | | | | | | Blue | |
| 263_224 | | | | | | Cyan | |
| 284 | 0.710000 | 0.819837 | 0.288675 | Yes | No | White | 0.000 |
| 284_235 | | | | | | Blue | |

## Table: Frame Section Properties 01 - General, Part 4 of 5

**Table: Frame Section Properties 01 - General, Part 4 of 5**

| SectionName | TotalMass | FromFile | AMod | A2Mod | A3Mod | JMod | I2Mod |
|---|---|---|---|---|---|---|---|
| | KN-s2/m | | | | | | |
| 120 | 59.75 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 125 | 22.63 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 125_127 | | | | | | | |

**Table: Frame Section Properties 01 - General, Part 4 of 5**

| SectionName | TotalMass KN-s2/m | FromFile | AMod | A2Mod | A3Mod | JMod | I2Mod |
|---|---|---|---|---|---|---|---|
| 127 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 127_125 | | | | | | | |
| 127_147 | | | | | | | |
| 147 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 147_127 | | | | | | | |
| 147_190 | | | | | | | |
| 176 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 176_182 | | | | | | | |
| 176_187 | | | | | | | |
| 182 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 182_176 | | | | | | | |
| 182_201 | | | | | | | |
| 187 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 187_176 | | | | | | | |
| 187_224 | | | | | | | |
| 190 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 190_147 | | | | | | | |
| 190_263 | | | | | | | |
| 201 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 201_182 | | | | | | | |
| 201_235 | | | | | | | |
| 218_191 | | | | | | | |
| 224 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 224_187 | | | | | | | |
| 224_263 | | | | | | | |
| 235 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 235_201 | | | | | | | |
| 235_284 | | | | | | | |
| 263 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 263_190 | | | | | | | |
| 263_224 | | | | | | | |
| 284 | 0.00 | No | 1.000000 | 1.000000 | 1.000000 | 1.000000 | 1.000000 |
| 284_235 | | | | | | | |

## Table: Frame Section Properties 01 - General, Part 5 of 5

**Table: Frame Section Properties 01 - General, Part 5 of 5**

| SectionName | I3Mod | MMod | WMod | GUID | Notes |
|---|---|---|---|---|---|
| 120 | 1.000000 | 1.000000 | 1.000000 | | Added 27/10/2008 11.30.19 |
| 125 | 1.000000 | 1.000000 | 1.000000 | | Added 27/10/2008 11.30.00 |
| 125_127 | | | | | Added 30/10/2008 9.53.49 |
| 127 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.17.18 |
| 127_125 | | | | | Added 10/03/2011 16.24.39 |
| 127_147 | | | | | Added 30/10/2008 9.52.17 |
| 147 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.18.11 |
| 147_127 | | | | | Added 08/03/2011 16.18.06 |
| 147_190 | | | | | Added 08/03/2011 16.19.21 |
| 176 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.18.23 |
| 176_182 | | | | | Added 29/10/2008 17.27.12 |
| 176_187 | | | | | Added 08/03/2011 16.18.25 |
| 182 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.17.31 |
| 182_176 | | | | | Added 08/03/2011 16.19.57 |
| 182_201 | | | | | Added 08/03/2011 16.19.36 |
| 187 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.18.03 |
| 187_176 | | | | | Added 30/10/2008 9.52.45 |
| 187_224 | | | | | Added 08/03/2011 16.13.22 |
| 190 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.18.34 |
| 190_147 | | | | | Added 30/10/2008 9.51.50 |

**Table: Frame Section Properties 01 - General, Part 5 of 5**

| SectionName | I3Mod | MMod | WMod | GUID | Notes |
|---|---|---|---|---|---|
| 190_263 | | | | | Added 08/03/2011 16.21.10 |
| 201 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.17.49 |
| 201_182 | | | | | Added 30/10/2008 9.53.16 |
| 201_235 | | | | | Added 08/03/2011 16.18.47 |
| 218_191 | | | | | Added 08/03/2011 16.20.14 |
| 224 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.17.39 |
| 224_187 | | | | | Added 08/03/2011 16.19.05 |
| 224_263 | | | | | Added 08/03/2011 16.20.32 |
| 235 | 1.000000 | 1.000000 | 1.000000 | | Added 29/10/2008 17.18.43 |
| 235_201 | | | | | Added 29/10/2008 17.28.42 |
| 235_284 | | | | | Added 29/10/2008 17.19.11 |
| 263 | 1.000000 | 1.000000 | 1.000000 | | Added 27/10/2008 11.23.34 |
| 263_190 | | | | | Added 29/10/2008 17.27.51 |
| 263_224 | | | | | Added 29/10/2008 17.28.19 |
| 284 | 1.000000 | 1.000000 | 1.000000 | | Added 10/03/2011 16.07.53 |
| 284_235 | | | | | Added 08/03/2011 16.20.51 |

## Table: Frame Section Properties 02 - Concrete Column, Part 1 of 2

**Table: Frame Section Properties 02 - Concrete Column, Part 1 of 2**

| SectionName | RebarMatL | RebarMatC | ReinfConfig | LatReinf | Cover | NumBars3Dir | NumBars2Dir | BarSizeL |
|---|---|---|---|---|---|---|---|---|
| | | | | | m | | | |
| 120 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 125 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 127 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 147 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 176 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 182 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 187 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 190 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 201 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 224 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 235 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 263 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |
| 284 | A615Gr60 | A615Gr60 | Rectangular | Ties | 0.040000 | 3 | 3 | #9 |

## Table: Frame Section Properties 02 - Concrete Column, Part 2 of 2

**Table: Frame Section Properties 02 - Concrete Column, Part 2 of 2**

| SectionName | BarSizeC | SpacingC | NumCBars2 | NumCBars3 | ReinfType |
|---|---|---|---|---|---|
| | | m | | | |
| 120 | #4 | 0.150000 | 3 | 3 | Design |
| 125 | #4 | 0.150000 | 3 | 3 | Design |
| 127 | #4 | 0.150000 | 3 | 3 | Design |
| 147 | #4 | 0.150000 | 3 | 3 | Design |
| 176 | #4 | 0.150000 | 3 | 3 | Design |
| 182 | #4 | 0.150000 | 3 | 3 | Design |
| 187 | #4 | 0.150000 | 3 | 3 | Design |
| 190 | #4 | 0.150000 | 3 | 3 | Design |
| 201 | #4 | 0.150000 | 3 | 3 | Design |
| 224 | #4 | 0.150000 | 3 | 3 | Design |
| 235 | #4 | 0.150000 | 3 | 3 | Design |
| 263 | #4 | 0.150000 | 3 | 3 | Design |
| 284 | #4 | 0.150000 | 3 | 3 | Design |

## Table: Frame Section Properties 05 - Nonprismatic, Part 1 of 2

**Table: Frame Section Properties 05 - Nonprismatic, Part 1 of 2**

| SectionName | NumSegments | SegmentNum | StartSect | EndSect | LengthType | AbsLength |
|---|---|---|---|---|---|---|
| | | | | | | m |
| 125_127 | 1 | 1 | 125 | 127 | Absolute | 1.00000 |
| 127_125 | 1 | 1 | 127 | 125 | Absolute | 1.00000 |
| 127_147 | 1 | 1 | 127 | 147 | Absolute | 1.00000 |
| 147_127 | 1 | 1 | 147 | 127 | Absolute | 1.00000 |
| 147_190 | 1 | 1 | 147 | 190 | Absolute | 1.00000 |
| 176_182 | 1 | 1 | 176 | 182 | Absolute | 1.00000 |
| 176_187 | 1 | 1 | 176 | 187 | Absolute | 1.00000 |
| 182_176 | 1 | 1 | 182 | 176 | Absolute | 1.00000 |
| 182_201 | 1 | 1 | 182 | 201 | Absolute | 1.00000 |
| 187_176 | 1 | 1 | 187 | 176 | Absolute | 1.00000 |
| 187_224 | 1 | 1 | 187 | 224 | Absolute | 1.00000 |
| 190_147 | 1 | 1 | 190 | 147 | Absolute | 1.00000 |
| 190_263 | 1 | 1 | 190 | 263 | Absolute | 1.00000 |
| 201_182 | 1 | 1 | 201 | 182 | Absolute | 1.00000 |
| 201_235 | 1 | 1 | 201 | 235 | Absolute | 1.00000 |
| 218_191 | 1 | 1 | 235 | 224 | Absolute | 1.00000 |
| 224_187 | 1 | 1 | 224 | 187 | Absolute | 1.00000 |
| 224_263 | 1 | 1 | 224 | 263 | Absolute | 1.00000 |
| 235_201 | 1 | 1 | 235 | 201 | Absolute | 1.00000 |
| 235_284 | 1 | 1 | 235 | 284 | Absolute | 1.00000 |
| 263_190 | 1 | 1 | 263 | 190 | Absolute | 1.00000 |
| 263_224 | 1 | 1 | 263 | 224 | Absolute | 1.00000 |
| 284_235 | 1 | 1 | 284 | 235 | Absolute | 1.00000 |

## Table: Frame Section Properties 05 - Nonprismatic, Part 2 of 2

**Table: Frame Section Properties 05 - Nonprismatic, Part 2 of 2**

| SectionName | VarLength | EI33Var | EI22Var |
|---|---|---|---|
| 125_127 | | Linear | Linear |
| 127_125 | | Linear | Linear |
| 127_147 | | Linear | Linear |
| 147_127 | | Linear | Linear |
| 147_190 | | Linear | Linear |
| 176_182 | | Linear | Linear |
| 176_187 | | Linear | Linear |
| 182_176 | | Linear | Linear |
| 182_201 | | Linear | Linear |
| 187_176 | | Linear | Linear |
| 187_224 | | Linear | Linear |
| 190_147 | | Linear | Linear |
| 190_263 | | Linear | Linear |
| 201_182 | | Linear | Linear |
| 201_235 | | Linear | Linear |
| 218_191 | | Linear | Linear |
| 224_187 | | Linear | Linear |
| 224_263 | | Linear | Linear |
| 235_201 | | Linear | Linear |
| 235_284 | | Linear | Linear |
| 263_190 | | Linear | Linear |
| 263_224 | | Linear | Linear |
| 284_235 | | Linear | Linear |

## Table: Frame Spring Assignments

**Table: Frame Spring Assignments**

| Frame | Type | Stiffness KN/m/m | SimpleType | Dir1Type | Dir |
|---|---|---|---|---|---|
| 1 | Simple | 3663.00 | Compression Only | Object Axes | 2 |
| 2 | Simple | 3663.00 | Compression Only | Object Axes | 2 |
| 3 | Simple | 3663.00 | Compression Only | Object Axes | 2 |
| 4 | Simple | 3663.00 | Compression Only | Object Axes | 2 |
| 5 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 6 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 7 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 8 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 9 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 10 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 11 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 12 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 13 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 14 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 15 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 16 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 17 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 18 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 19 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 20 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 21 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 22 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 23 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 24 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 25 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 26 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 27 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 28 | Simple | 3663.00 | Compression Only | Object Axes | -2 |
| 29 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 30 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 31 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 32 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 33 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 34 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 35 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 36 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 37 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 38 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 39 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 40 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 41 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 42 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 43 | Simple | 4078.00 | Compression Only | Object Axes | 2 |
| 44 | Simple | 4078.00 | Compression Only | Object Axes | 2 |

## Table: Function - Plot Functions

**Table: Function - Plot Functions**

| PlotFunc | Type | DistType | Component | Mode |
|---|---|---|---|---|
| Input Energy | Energy | | Input | All |

## Table: Function - Power Spectral Density - User

**Table: Function - Power Spectral Density - User**

| Name | Frequency | Value |
|---|---|---|
| | Cyc/sec | |
| UNIFPSD | 0.0000E+00 | 1.000000 |
| UNIFPSD | 1.0000E+00 | 1.000000 |

## Table: Function - Response Spectrum - User

**Table: Function - Response Spectrum - User**

| Name | Period | Accel | FuncDamp |
|---|---|---|---|
| | Sec | | |
| UNIFRS | 0.000000 | 1.000000 | 0.050000 |
| UNIFRS | 1.000000 | 1.000000 | |

## Table: Function - Steady State - User

**Table: Function - Steady State - User**

| Name | Frequency | Value |
|---|---|---|
| | Cyc/sec | |
| UNIFSS | 0.0000E+00 | 1.000000 |
| UNIFSS | 1.0000E+00 | 1.000000 |

## Table: Function - Time History - User

**Table: Function - Time History - User**

| Name | Time | Value |
|---|---|---|
| | Sec | |
| RAMPTH | 0.0000 | 0.000000 |
| RAMPTH | 1.0000 | 1.000000 |
| RAMPTH | 4.0000 | 1.000000 |
| UNIFTH | 0.0000 | 1.000000 |
| UNIFTH | 1.0000 | 1.000000 |

## Table: Grid Lines, Part 1 of 2

**Table: Grid Lines, Part 1 of 2**

| CoordSys | AxisDir | GridID | XRYZCoord | LineType | LineColor | Visible | BubbleLoc |
|---|---|---|---|---|---|---|---|
| | | | m | | | | |
| GLOBAL | X | | 8.53936 | Primary | Gray8Dark | Yes | End |
| GLOBAL | X | | 21.93936 | Primary | Gray8Dark | Yes | End |
| GLOBAL | Y | | 0.00000 | Primary | Gray8Dark | Yes | End |
| GLOBAL | Z | | 2.97494 | Primary | Gray8Dark | Yes | End |
| GLOBAL | Z | | 14.09774 | Primary | Gray8Dark | Yes | End |

## Table: Grid Lines, Part 2 of 2

**Table: Grid Lines, Part 2 of 2**

| CoordSys | AllVisible | BubbleSize |
|---|---|---|
| | | m |
| GLOBAL | Yes | 2.438400 |
| GLOBAL | | |
| GLOBAL | | |
| GLOBAL | | |
| GLOBAL | | |

## Table: Groups 1 - Definitions, Part 1 of 3

**Table: Groups 1 - Definitions, Part 1 of 3**

| GroupName | Selection | SectionCut | Steel | Concrete | Aluminum | ColdFormed | Stage |
|---|---|---|---|---|---|---|---|
| All | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| DXFIN | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| DXFIN-1 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| DXFIN-2 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

## Table: Groups 1 - Definitions, Part 2 of 3

**Table: Groups 1 - Definitions, Part 2 of 3**

| GroupName | Bridge | AutoSeismic | AutoWind | SelDesSteel | SelDesAlum | SelDesCold | MassWeight |
|---|---|---|---|---|---|---|---|
| All | Yes | No | No | No | No | No | Yes |
| DXFIN | Yes | No | No | No | No | No | Yes |
| DXFIN-1 | Yes | No | No | No | No | No | Yes |
| DXFIN-2 | Yes | No | No | No | No | No | Yes |

## Table: Groups 1 - Definitions, Part 3 of 3

**Table: Groups 1 - Definitions, Part 3 of 3**

| GroupName | Color |
|---|---|
| All | Red |
| DXFIN | Black |
| DXFIN-1 | Black |
| DXFIN-2 | Black |

## Table: Groups 2 - Assignments

**Table: Groups 2 - Assignments**

| GroupName | ObjectType | ObjectLabel |
|---|---|---|
| DXFIN-2 | Frame | 1 |
| DXFIN-2 | Frame | 2 |
| DXFIN-2 | Frame | 3 |
| DXFIN-2 | Frame | 4 |
| DXFIN-2 | Frame | 5 |
| DXFIN-2 | Frame | 6 |
| DXFIN-2 | Frame | 7 |
| DXFIN-2 | Frame | 8 |
| DXFIN-2 | Frame | 9 |
| DXFIN-2 | Frame | 10 |
| DXFIN-2 | Frame | 11 |
| DXFIN-2 | Frame | 12 |
| DXFIN-2 | Frame | 13 |
| DXFIN-2 | Frame | 14 |
| DXFIN-2 | Frame | 15 |
| DXFIN-2 | Frame | 16 |
| DXFIN-2 | Frame | 17 |
| DXFIN-2 | Frame | 18 |
| DXFIN-2 | Frame | 19 |
| DXFIN-2 | Frame | 20 |
| DXFIN-2 | Frame | 21 |
| DXFIN-2 | Frame | 22 |
| DXFIN-2 | Frame | 23 |
| DXFIN-2 | Frame | 24 |

**Table: Groups 2 - Assignments**

| GroupName | ObjectType | ObjectLabel |
|---|---|---|
| DXFIN-2 | Frame | 25 |
| DXFIN-2 | Frame | 26 |
| DXFIN-2 | Frame | 27 |
| DXFIN-2 | Frame | 28 |
| DXFIN-2 | Frame | 29 |
| DXFIN-2 | Frame | 30 |
| DXFIN-2 | Frame | 31 |
| DXFIN-2 | Frame | 32 |
| DXFIN-2 | Frame | 33 |
| DXFIN-2 | Frame | 34 |
| DXFIN-2 | Frame | 35 |
| DXFIN-2 | Frame | 36 |
| DXFIN-2 | Frame | 37 |
| DXFIN-2 | Frame | 38 |
| DXFIN-2 | Frame | 39 |
| DXFIN-2 | Frame | 40 |
| DXFIN-2 | Frame | 41 |
| DXFIN-2 | Frame | 42 |
| DXFIN-2 | Frame | 43 |
| DXFIN-2 | Frame | 44 |
| DXFIN-2 | Frame | 45 |
| DXFIN-2 | Frame | 46 |

## Table: Groups 3 - Masses and Weights

**Table: Groups 3 - Masses and Weights**

| GroupName | SelfMass | SelfWeight | TotalMassX | TotalMassY | TotalMassZ |
|---|---|---|---|---|---|
| | KN-s2/m | KN | KN-s2/m | KN-s2/m | KN-s2/m |
| All | 121.04 | 1186.982 | 121.04 | 121.04 | 121.04 |
| DXFIN | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 |
| DXFIN-1 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 |
| DXFIN-2 | 121.04 | 1186.982 | 121.04 | 121.04 | 121.04 |

## Table: Joint Coordinates, Part 1 of 2

**Table: Joint Coordinates, Part 1 of 2**

| Joint | CoordSys | CoordType | XorR | Y | Z | SpecialJt | GlobalX |
|---|---|---|---|---|---|---|---|
| | | | m | m | m | | m |
| 1 | GLOBAL | Cartesian | 42.82204 | 0.00000 | 18.31745 | No | 42.82204 |
| 2 | GLOBAL | Cartesian | 42.82204 | 0.00000 | 19.20960 | No | 42.82204 |
| 3 | GLOBAL | Cartesian | 42.82204 | 0.00000 | 20.10457 | No | 42.82204 |
| 4 | GLOBAL | Cartesian | 42.82204 | 0.00000 | 20.99955 | No | 42.82204 |
| 5 | GLOBAL | Cartesian | 42.82204 | 0.00000 | 21.89452 | No | 42.82204 |
| 6 | GLOBAL | Cartesian | 42.92096 | 0.00000 | 23.07358 | No | 42.92096 |
| 7 | GLOBAL | Cartesian | 43.21499 | 0.00000 | 24.21967 | No | 43.21499 |
| 8 | GLOBAL | Cartesian | 43.69591 | 0.00000 | 25.30073 | No | 43.69591 |
| 9 | GLOBAL | Cartesian | 44.34931 | 0.00000 | 26.28725 | No | 44.34931 |
| 10 | GLOBAL | Cartesian | 45.14692 | 0.00000 | 27.16155 | No | 45.14692 |
| 11 | GLOBAL | Cartesian | 46.06707 | 0.00000 | 27.90580 | No | 46.06707 |
| 12 | GLOBAL | Cartesian | 47.08878 | 0.00000 | 28.50303 | No | 47.08878 |
| 13 | GLOBAL | Cartesian | 48.18876 | 0.00000 | 28.93962 | No | 48.18876 |
| 14 | GLOBAL | Cartesian | 49.34194 | 0.00000 | 29.20562 | No | 49.34194 |
| 15 | GLOBAL | Cartesian | 50.52202 | 0.00000 | 29.29497 | No | 50.52202 |
| 16 | GLOBAL | Cartesian | 51.70211 | 0.00000 | 29.20562 | No | 51.70211 |
| 17 | GLOBAL | Cartesian | 52.85529 | 0.00000 | 28.93963 | No | 52.85529 |
| 18 | GLOBAL | Cartesian | 53.95527 | 0.00000 | 28.50304 | No | 53.95527 |
| 19 | GLOBAL | Cartesian | 54.97699 | 0.00000 | 27.90581 | No | 54.97699 |
| 20 | GLOBAL | Cartesian | 55.89714 | 0.00000 | 27.16157 | No | 55.89714 |

**Table: Joint Coordinates, Part 1 of 2**

| Joint | CoordSys | CoordType | XorR | Y | Z | SpecialJt | GlobalX |
|---|---|---|---|---|---|---|---|
| | | | m | m | m | | m |
| 21 | GLOBAL | Cartesian | 56.69475 | 0.00000 | 26.28727 | No | 56.69475 |
| 22 | GLOBAL | Cartesian | 57.34815 | 0.00000 | 25.30076 | No | 57.34815 |
| 23 | GLOBAL | Cartesian | 57.82907 | 0.00000 | 24.21970 | No | 57.82907 |
| 24 | GLOBAL | Cartesian | 58.12311 | 0.00000 | 23.07361 | No | 58.12311 |
| 25 | GLOBAL | Cartesian | 58.22204 | 0.00000 | 21.89452 | No | 58.22204 |
| 26 | GLOBAL | Cartesian | 58.22202 | 0.00000 | 20.99955 | No | 58.22202 |
| 27 | GLOBAL | Cartesian | 58.22202 | 0.00000 | 20.10457 | No | 58.22202 |
| 28 | GLOBAL | Cartesian | 58.22204 | 0.00000 | 19.20964 | No | 58.22204 |
| 29 | GLOBAL | Cartesian | 58.22204 | 0.00000 | 18.31750 | No | 58.22204 |
| 30 | GLOBAL | Cartesian | 57.39652 | 0.00000 | 18.31750 | No | 57.39652 |
| 31 | GLOBAL | Cartesian | 56.57101 | 0.00000 | 18.31750 | No | 56.57101 |
| 32 | GLOBAL | Cartesian | 55.61118 | 0.00000 | 17.91765 | No | 55.61118 |
| 33 | GLOBAL | Cartesian | 54.62516 | 0.00000 | 17.58765 | No | 54.62516 |
| 34 | GLOBAL | Cartesian | 53.61802 | 0.00000 | 17.32920 | No | 53.61802 |
| 35 | GLOBAL | Cartesian | 52.59493 | 0.00000 | 17.14364 | No | 52.59493 |
| 36 | GLOBAL | Cartesian | 51.56117 | 0.00000 | 17.03192 | No | 51.56117 |
| 37 | GLOBAL | Cartesian | 50.52217 | 0.00000 | 16.99461 | No | 50.52217 |
| 38 | GLOBAL | Cartesian | 49.48295 | 0.00000 | 17.03191 | No | 49.48295 |
| 39 | GLOBAL | Cartesian | 48.44919 | 0.00000 | 17.14363 | No | 48.44919 |
| 40 | GLOBAL | Cartesian | 47.42611 | 0.00000 | 17.32918 | No | 47.42611 |
| 41 | GLOBAL | Cartesian | 46.41896 | 0.00000 | 17.58761 | No | 46.41896 |
| 42 | GLOBAL | Cartesian | 45.43293 | 0.00000 | 17.91761 | No | 45.43293 |
| 43 | GLOBAL | Cartesian | 44.47311 | 0.00000 | 18.31745 | No | 44.47311 |
| 44 | GLOBAL | Cartesian | 43.64757 | 0.00000 | 18.31745 | No | 43.64757 |

## Table: Joint Coordinates, Part 2 of 2

**Table: Joint Coordinates, Part 2 of 2**

| Joint | GlobalY | GlobalZ | GUID |
|---|---|---|---|
| | m | m | |
| 1 | 0.00000 | 18.31745 | |
| 2 | 0.00000 | 19.20960 | |
| 3 | 0.00000 | 20.10457 | |
| 4 | 0.00000 | 20.99955 | |
| 5 | 0.00000 | 21.89452 | |
| 6 | 0.00000 | 23.07358 | |
| 7 | 0.00000 | 24.21967 | |
| 8 | 0.00000 | 25.30073 | |
| 9 | 0.00000 | 26.28725 | |
| 10 | 0.00000 | 27.16155 | |
| 11 | 0.00000 | 27.90580 | |
| 12 | 0.00000 | 28.50303 | |
| 13 | 0.00000 | 28.93962 | |
| 14 | 0.00000 | 29.20562 | |
| 15 | 0.00000 | 29.29497 | |
| 16 | 0.00000 | 29.20562 | |
| 17 | 0.00000 | 28.93963 | |
| 18 | 0.00000 | 28.50304 | |
| 19 | 0.00000 | 27.90581 | |
| 20 | 0.00000 | 27.16157 | |
| 21 | 0.00000 | 26.28727 | |
| 22 | 0.00000 | 25.30076 | |
| 23 | 0.00000 | 24.21970 | |
| 24 | 0.00000 | 23.07361 | |
| 25 | 0.00000 | 21.89452 | |
| 26 | 0.00000 | 20.99955 | |
| 27 | 0.00000 | 20.10457 | |
| 28 | 0.00000 | 19.20964 | |
| 29 | 0.00000 | 18.31750 | |

**Table: Joint Coordinates, Part 2 of 2**

| Joint | GlobalY | GlobalZ | GUID |
|---|---|---|---|
| | m | m | |
| 30 | 0.00000 | 18.31750 | |
| 31 | 0.00000 | 18.31750 | |
| 32 | 0.00000 | 17.91765 | |
| 33 | 0.00000 | 17.58765 | |
| 34 | 0.00000 | 17.32920 | |
| 35 | 0.00000 | 17.14364 | |
| 36 | 0.00000 | 17.03192 | |
| 37 | 0.00000 | 16.99461 | |
| 38 | 0.00000 | 17.03191 | |
| 39 | 0.00000 | 17.14363 | |
| 40 | 0.00000 | 17.32918 | |
| 41 | 0.00000 | 17.58761 | |
| 42 | 0.00000 | 17.91761 | |
| 43 | 0.00000 | 18.31745 | |
| 44 | 0.00000 | 18.31745 | |

## Table: Joint Displacements, Part 1 of 2

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 1 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 1 | SLE | NonStatic | Min | -0.001339 | 0.000000 | -0.068620 | 0.000000 | -0.000448 |
| 1 | SLE_SISMA_DOWN | NonStatic | Max | 0.009264 | 0.000000 | 0.000000 | 0.000000 | 0.000205 |
| 1 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066696 | 0.000000 | 0.000000 |
| 1 | SLE_SISMA_UP | NonStatic | Max | 0.009510 | 0.000000 | 0.000000 | 0.000000 | 0.000249 |
| 1 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.061456 | 0.000000 | 0.000000 |
| 1 | SLU_SISMA_DOWN | NonStatic | Max | 0.023698 | 0.000000 | 0.000000 | 0.000000 | 0.001143 |
| 1 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064312 | 0.000000 | 0.000000 |
| 1 | SLU_SISMA_UP | NonStatic | Max | 0.023360 | 0.000000 | 0.000000 | 0.000000 | 0.001236 |
| 1 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053311 | 0.000000 | 0.000000 |
| 2 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 2 | SLE | NonStatic | Min | -0.001779 | 0.000000 | -0.068624 | 0.000000 | -0.000397 |
| 2 | SLE_SISMA_DOWN | NonStatic | Max | 0.009406 | 0.000000 | 0.000000 | 0.000000 | 0.000258 |
| 2 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066700 | 0.000000 | 0.000000 |
| 2 | SLE_SISMA_UP | NonStatic | Max | 0.009695 | 0.000000 | 0.000000 | 0.000000 | 0.000297 |
| 2 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.061459 | 0.000000 | 0.000000 |
| 2 | SLU_SISMA_DOWN | NonStatic | Max | 0.024678 | 0.000000 | 0.000000 | 0.000000 | 0.001197 |
| 2 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064314 | 0.000000 | 0.000000 |
| 2 | SLU_SISMA_UP | NonStatic | Max | 0.024431 | 0.000000 | 0.000000 | 0.000000 | 0.001279 |
| 2 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053313 | 0.000000 | 0.000000 |
| 3 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 3 | SLE | NonStatic | Min | -0.002075 | 0.000000 | -0.068645 | 0.000000 | -0.000294 |
| 3 | SLE_SISMA_DOWN | NonStatic | Max | 0.009700 | 0.000000 | 0.000000 | 0.000000 | 0.000364 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 3 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066721 | 0.000000 | 0.000000 |
| 3 | SLE_SISMA_UP | NonStatic | Max | 0.010020 | 0.000000 | 0.000000 | 0.000000 | 0.000393 |
| 3 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.061479 | 0.000000 | 0.000000 |
| 3 | SLU_SISMA_DOWN | NonStatic | Max | 0.025820 | 0.000000 | 0.000000 | 0.000000 | 0.001300 |
| 3 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064336 | 0.000000 | 0.000000 |
| 3 | SLU_SISMA_UP | NonStatic | Max | 0.025637 | 0.000000 | 0.000000 | 0.000000 | 0.001362 |
| 3 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053331 | 0.000000 | 0.000000 |
| 4 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 4 | SLE | NonStatic | Min | -0.002266 | 0.000000 | -0.068669 | 0.000000 | -0.000157 |
| 4 | SLE_SISMA_DOWN | NonStatic | Max | 0.010102 | 0.000000 | 0.000000 | 0.000000 | 0.000501 |
| 4 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066745 | 0.000000 | 0.000000 |
| 4 | SLE_SISMA_UP | NonStatic | Max | 0.010442 | 0.000000 | 0.000000 | 0.000000 | 0.000517 |
| 4 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.061500 | 0.000000 | 0.000000 |
| 4 | SLU_SISMA_DOWN | NonStatic | Max | 0.027062 | 0.000000 | 0.000000 | 0.000000 | 0.001427 |
| 4 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064359 | 0.000000 | 0.000000 |
| 4 | SLU_SISMA_UP | NonStatic | Max | 0.026921 | 0.000000 | 0.000000 | 0.000000 | 0.001459 |
| 4 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053351 | 0.000000 | 0.000000 |
| 5 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 5 | SLE | NonStatic | Min | -0.002329 | 0.000000 | -0.068693 | 0.000000 | -3.014E-06 |
| 5 | SLE_SISMA_DOWN | NonStatic | Max | 0.010631 | 0.000000 | 0.000000 | 0.000000 | 0.000653 |
| 5 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066769 | 0.000000 | 0.000000 |
| 5 | SLE_SISMA_UP | NonStatic | Max | 0.010977 | 0.000000 | 0.000000 | 0.000000 | 0.000652 |
| 5 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.061523 | 0.000000 | 0.000000 |
| 5 | SLU_SISMA_DOWN | NonStatic | Max | 0.028416 | 0.000000 | 0.000000 | 0.000000 | 0.001558 |
| 5 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064384 | 0.000000 | 0.000000 |
| 5 | SLU_SISMA_UP | NonStatic | Max | 0.028287 | 0.000000 | 0.000000 | 0.000000 | 0.001554 |
| 5 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053371 | 0.000000 | 0.000000 |
| 6 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000177 |
| 6 | SLE | NonStatic | Min | -0.002211 | 0.000000 | -0.068733 | 0.000000 | 0.000000 |
| 6 | SLE_SISMA_DOWN | NonStatic | Max | 0.011521 | 0.000000 | 0.000000 | 0.000000 | 0.000824 |
| 6 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066874 | 0.000000 | 0.000000 |
| 6 | SLE_SISMA_UP | NonStatic | Max | 0.011853 | 0.000000 | 0.000000 | 0.000000 | 0.000803 |
| 6 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.061624 | 0.000000 | 0.000000 |
| 6 | SLU_SISMA_DOWN | NonStatic | Max | 0.030358 | 0.000000 | 0.000000 | 0.000000 | 0.001695 |
| 6 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064577 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 6 | SLU_SISMA_UP | NonStatic | Max | 0.030195 | 0.000000 | 0.000000 | 0.000000 | 0.001647 |
| 6 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.053557 | 0.000000 | 0.000000 |
| 7 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000285 |
| 7 | SLE | NonStatic | Min | -0.001929 | 0.000000 | -0.068831 | 0.000000 | 0.000000 |
| 7 | SLE_SISMA_DOWN | NonStatic | Max | 0.012542 | 0.000000 | 0.000000 | 0.000000 | 0.000923 |
| 7 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.067161 | 0.000000 | 0.000000 |
| 7 | SLE_SISMA_UP | NonStatic | Max | 0.012841 | 0.000000 | 0.000000 | 0.000000 | 0.000890 |
| 7 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.061901 | 0.000000 | 0.000000 |
| 7 | SLU_SISMA_DOWN | NonStatic | Max | 0.032363 | 0.000000 | 0.000000 | 0.000000 | 0.001768 |
| 7 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.065116 | 0.000000 | 0.000000 |
| 7 | SLU_SISMA_UP | NonStatic | Max | 0.032125 | 0.000000 | 0.000000 | 0.000000 | 0.001693 |
| 7 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.054073 | 0.000000 | 0.000000 |
| 8 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000337 |
| 8 | SLE | NonStatic | Min | -0.001581 | 0.000000 | -0.069006 | 0.000000 | 0.000000 |
| 8 | SLE_SISMA_DOWN | NonStatic | Max | 0.013578 | 0.000000 | 0.000000 | 0.000000 | 0.000968 |
| 8 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.067641 | 0.000000 | 0.000000 |
| 8 | SLE_SISMA_UP | NonStatic | Max | 0.013836 | 0.000000 | 0.000000 | 0.000000 | 0.000929 |
| 8 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.062362 | 0.000000 | 0.000000 |
| 8 | SLU_SISMA_DOWN | NonStatic | Max | 0.034301 | 0.000000 | 0.000000 | 0.000000 | 0.001796 |
| 8 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.065998 | 0.000000 | 0.000000 |
| 8 | SLU_SISMA_UP | NonStatic | Max | 0.033972 | 0.000000 | 0.000000 | 0.000000 | 0.001708 |
| 8 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.054911 | 0.000000 | 0.000000 |
| 9 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000381 |
| 9 | SLE | NonStatic | Min | -0.001221 | 0.000000 | -0.069264 | 0.000000 | 0.000000 |
| 9 | SLE_SISMA_DOWN | NonStatic | Max | 0.014557 | 0.000000 | 0.000000 | 0.000000 | 0.001003 |
| 9 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.068309 | 0.000000 | 0.000000 |
| 9 | SLE_SISMA_UP | NonStatic | Max | 0.014772 | 0.000000 | 0.000000 | 0.000000 | 0.000958 |
| 9 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.063000 | 0.000000 | 0.000000 |
| 9 | SLU_SISMA_DOWN | NonStatic | Max | 0.036087 | 0.000000 | 0.000000 | 0.000000 | 0.001811 |
| 9 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.067200 | 0.000000 | 0.000000 |
| 9 | SLU_SISMA_UP | NonStatic | Max | 0.035662 | 0.000000 | 0.000000 | 0.000000 | 0.001711 |
| 9 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.056048 | 0.000000 | 0.000000 |
| 10 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000443 |
| 10 | SLE | NonStatic | Min | -0.000855 | 0.000000 | -0.069624 | 0.000000 | 0.000000 |
| 10 | SLE_SISMA_DOWN | NonStatic | Max | 0.015458 | 0.000000 | 0.000000 | 0.000000 | 0.001042 |
| 10 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.069156 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 10 | SLE_SISMA_UP | NonStatic | Max | 0.015629 | 0.000000 | 0.000000 | 0.000000 | 0.000989 |
| 10 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.063805 | 0.000000 | 0.000000 |
| 10 | SLU_SISMA_DOWN | NonStatic | Max | 0.037675 | 0.000000 | 0.000000 | 0.000000 | 0.001810 |
| 10 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.068675 | 0.000000 | 0.000000 |
| 10 | SLU_SISMA_UP | NonStatic | Max | 0.037152 | 0.000000 | 0.000000 | 0.000000 | 0.001693 |
| 10 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.057430 | 0.000000 | 0.000000 |
| 11 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000482 |
| 11 | SLE | NonStatic | Min | -0.000504 | 0.000000 | -0.070087 | 0.000000 | 0.000000 |
| 11 | SLE_SISMA_DOWN | NonStatic | Max | 0.016240 | 0.000000 | 0.000000 | 0.000000 | 0.001042 |
| 11 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.070152 | 0.000000 | 0.000000 |
| 11 | SLE_SISMA_UP | NonStatic | Max | 0.016367 | 0.000000 | 0.000000 | 0.000000 | 0.000983 |
| 11 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.064746 | 0.000000 | 0.000000 |
| 11 | SLU_SISMA_DOWN | NonStatic | Max | 0.039002 | 0.000000 | 0.000000 | 0.000000 | 0.001749 |
| 11 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.070346 | 0.000000 | 0.000000 |
| 11 | SLU_SISMA_UP | NonStatic | Max | 0.038383 | 0.000000 | 0.000000 | 0.000000 | 0.001622 |
| 11 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.058981 | 0.000000 | 0.000000 |
| 12 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000447 |
| 12 | SLE | NonStatic | Min | -0.000225 | 0.000000 | -0.070600 | 0.000000 | 0.000000 |
| 12 | SLE_SISMA_DOWN | NonStatic | Max | 0.016839 | 0.000000 | 0.000000 | 0.000000 | 0.000963 |
| 12 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.071211 | 0.000000 | 0.000000 |
| 12 | SLE_SISMA_UP | NonStatic | Max | 0.016931 | 0.000000 | 0.000000 | 0.000000 | 0.000908 |
| 12 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.065743 | 0.000000 | 0.000000 |
| 12 | SLU_SISMA_DOWN | NonStatic | Max | 0.040000 | 0.000000 | 0.000000 | 0.000000 | 0.001616 |
| 12 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.072093 | 0.000000 | 0.000000 |
| 12 | SLU_SISMA_UP | NonStatic | Max | 0.039304 | 0.000000 | 0.000000 | 0.000000 | 0.001498 |
| 12 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.060593 | 0.000000 | 0.000000 |
| 13 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000340 |
| 13 | SLE | NonStatic | Min | -0.000057 | 0.000000 | -0.071063 | 0.000000 | 0.000000 |
| 13 | SLE_SISMA_DOWN | NonStatic | Max | 0.017223 | 0.000000 | 0.000000 | 0.000000 | 0.000822 |
| 13 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.072218 | 0.000000 | 0.000000 |
| 13 | SLE_SISMA_UP | NonStatic | Max | 0.017291 | 0.000000 | 0.000000 | 0.000000 | 0.000778 |
| 13 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.066692 | 0.000000 | 0.000000 |
| 13 | SLU_SISMA_DOWN | NonStatic | Max | 0.040655 | 0.000000 | 0.000000 | 0.000000 | 0.001443 |
| 13 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.073792 | 0.000000 | 0.000000 |
| 13 | SLU_SISMA_UP | NonStatic | Max | 0.039912 | 0.000000 | 0.000000 | 0.000000 | 0.001354 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 13 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.062172 | 0.000000 | 0.000000 |
| 14 | SLE | NonStatic | Max | 3.098E-06 | 0.000000 | 0.000000 | 0.000000 | 0.000183 |
| 14 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.071383 | 0.000000 | 0.000000 |
| 14 | SLE_SISMA_DOWN | NonStatic | Max | 0.017407 | 0.000000 | 0.000000 | 0.000000 | 0.000642 |
| 14 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.073076 | 0.000000 | 0.000000 |
| 14 | SLE_SISMA_UP | NonStatic | Max | 0.017465 | 0.000000 | 0.000000 | 0.000000 | 0.000616 |
| 14 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.067507 | 0.000000 | 0.000000 |
| 14 | SLU_SISMA_DOWN | NonStatic | Max | 0.040998 | 0.000000 | 0.000000 | 0.000000 | 0.001257 |
| 14 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.075354 | 0.000000 | 0.000000 |
| 14 | SLU_SISMA_UP | NonStatic | Max | 0.040235 | 0.000000 | 0.000000 | 0.000000 | 0.001209 |
| 14 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.063650 | 0.000000 | 0.000000 |
| 15 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 15 | SLE | NonStatic | Min | -5.404E-07 | 0.000000 | -0.071497 | 0.000000 | -2.886E-08 |
| 15 | SLE_SISMA_DOWN | NonStatic | Max | 0.017443 | 0.000000 | 0.000000 | 0.000000 | 0.000450 |
| 15 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.073721 | 0.000000 | 0.000000 |
| 15 | SLE_SISMA_UP | NonStatic | Max | 0.017500 | 0.000000 | 0.000000 | 0.000000 | 0.000445 |
| 15 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.068133 | 0.000000 | 0.000000 |
| 15 | SLU_SISMA_DOWN | NonStatic | Max | 0.041085 | 0.000000 | 0.000000 | 0.000000 | 0.001080 |
| 15 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.076725 | 0.000000 | 0.000000 |
| 15 | SLU_SISMA_UP | NonStatic | Max | 0.040319 | 0.000000 | 0.000000 | 0.000000 | 0.001080 |
| 15 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.064992 | 0.000000 | 0.000000 |
| 16 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 16 | SLE | NonStatic | Min | -4.174E-06 | 0.000000 | -0.071383 | 0.000000 | -0.000183 |
| 16 | SLE_SISMA_DOWN | NonStatic | Max | 0.017399 | 0.000000 | 0.000000 | 0.000000 | 0.000272 |
| 16 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074135 | 0.000000 | 0.000000 |
| 16 | SLE_SISMA_UP | NonStatic | Max | 0.017455 | 0.000000 | 0.000000 | 0.000000 | 0.000289 |
| 16 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.068555 | 0.000000 | 0.000000 |
| 16 | SLU_SISMA_DOWN | NonStatic | Max | 0.040979 | 0.000000 | 0.000000 | 0.000000 | 0.000934 |
| 16 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.077894 | 0.000000 | 0.000000 |
| 16 | SLU_SISMA_UP | NonStatic | Max | 0.040211 | 0.000000 | 0.000000 | 0.000000 | 0.000982 |
| 16 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.066191 | 0.000000 | 0.000000 |
| 17 | SLE | NonStatic | Max | 0.000056 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 17 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.071063 | 0.000000 | -0.000340 |
| 17 | SLE_SISMA_DOWN | NonStatic | Max | 0.017336 | 0.000000 | 0.000000 | 0.000000 | 0.000134 |
| 17 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074345 | 0.000000 | 0.000000 |
| 17 | SLE_SISMA_UP | NonStatic | Max | 0.017384 | 0.000000 | 0.000000 | 0.000000 | 0.000169 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 17 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.068796 | 0.000000 | 0.000000 |
| 17 | SLU_SISMA_DOWN | NonStatic | Max | 0.040730 | 0.000000 | 0.000000 | 0.000000 | 0.000843 |
| 17 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.078889 | 0.000000 | 0.000000 |
| 17 | SLU_SISMA_UP | NonStatic | Max | 0.039943 | 0.000000 | 0.000000 | 0.000000 | 0.000929 |
| 17 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.067268 | 0.000000 | 0.000000 |
| 18 | SLE | NonStatic | Max | 0.000224 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 18 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.070600 | 0.000000 | -0.000447 |
| 18 | SLE_SISMA_DOWN | NonStatic | Max | 0.017290 | 0.000000 | 0.000000 | 0.000000 | 0.000060 |
| 18 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074417 | 0.000000 | 0.000000 |
| 18 | SLE_SISMA_UP | NonStatic | Max | 0.017319 | 0.000000 | 0.000000 | 0.000000 | 0.000106 |
| 18 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.068915 | 0.000000 | 0.000000 |
| 18 | SLU_SISMA_DOWN | NonStatic | Max | 0.040358 | 0.000000 | 0.000000 | 0.000000 | 0.000824 |
| 18 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.079766 | 0.000000 | 0.000000 |
| 18 | SLU_SISMA_UP | NonStatic | Max | 0.039526 | 0.000000 | 0.000000 | 0.000000 | 0.000935 |
| 18 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.068260 | 0.000000 | 0.000000 |
| 19 | SLE | NonStatic | Max | 0.000503 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 19 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.070087 | 0.000000 | -0.000482 |
| 19 | SLE_SISMA_DOWN | NonStatic | Max | 0.017253 | 0.000000 | 0.000000 | 0.000000 | 0.000070 |
| 19 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074440 | 0.000000 | 0.000000 |
| 19 | SLE_SISMA_UP | NonStatic | Max | 0.017253 | 0.000000 | 0.000000 | 0.000000 | 0.000119 |
| 19 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.068991 | 0.000000 | 0.000000 |
| 19 | SLU_SISMA_DOWN | NonStatic | Max | 0.039844 | 0.000000 | 0.000000 | 0.000000 | 0.000892 |
| 19 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.080598 | 0.000000 | 0.000000 |
| 19 | SLU_SISMA_UP | NonStatic | Max | 0.038940 | 0.000000 | 0.000000 | 0.000000 | 0.001005 |
| 19 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069215 | 0.000000 | 0.000000 |
| 20 | SLE | NonStatic | Max | 0.000854 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 20 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.069623 | 0.000000 | -0.000443 |
| 20 | SLE_SISMA_DOWN | NonStatic | Max | 0.017177 | 0.000000 | 0.000000 | 0.000000 | 0.000151 |
| 20 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074501 | 0.000000 | 0.000000 |
| 20 | SLE_SISMA_UP | NonStatic | Max | 0.017140 | 0.000000 | 0.000000 | 0.000000 | 0.000194 |
| 20 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069098 | 0.000000 | 0.000000 |
| 20 | SLU_SISMA_DOWN | NonStatic | Max | 0.039132 | 0.000000 | 0.000000 | 0.000000 | 0.001017 |
| 20 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.081435 | 0.000000 | 0.000000 |
| 20 | SLU_SISMA_UP | NonStatic | Max | 0.038147 | 0.000000 | 0.000000 | 0.000000 | 0.001113 |
| 20 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.070156 | 0.000000 | 0.000000 |
| 21 | SLE | NonStatic | Max | 0.001220 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 21 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.069264 | 0.000000 | -0.000381 |
| 21 | SLE_SISMA_DOWN | NonStatic | Max | 0.017011 | 0.000000 | 0.000000 | 0.000000 | 0.000238 |
| 21 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074624 | 0.000000 | 0.000000 |
| 21 | SLE_SISMA_UP | NonStatic | Max | 0.016939 | 0.000000 | 0.000000 | 0.000000 | 0.000273 |
| 21 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069255 | 0.000000 | 0.000000 |
| 21 | SLU_SISMA_DOWN | NonStatic | Max | 0.038194 | 0.000000 | 0.000000 | 0.000000 | 0.001123 |
| 21 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.082257 | 0.000000 | 0.000000 |
| 21 | SLU_SISMA_UP | NonStatic | Max | 0.037130 | 0.000000 | 0.000000 | 0.000000 | 0.001199 |
| 21 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.071053 | 0.000000 | 0.000000 |
| 22 | SLE | NonStatic | Max | 0.001580 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 22 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.069006 | 0.000000 | -0.000337 |
| 22 | SLE_SISMA_DOWN | NonStatic | Max | 0.016753 | 0.000000 | 0.000000 | 0.000000 | 0.000293 |
| 22 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074773 | 0.000000 | 0.000000 |
| 22 | SLE_SISMA_UP | NonStatic | Max | 0.016647 | 0.000000 | 0.000000 | 0.000000 | 0.000322 |
| 22 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069427 | 0.000000 | 0.000000 |
| 22 | SLU_SISMA_DOWN | NonStatic | Max | 0.037054 | 0.000000 | 0.000000 | 0.000000 | 0.001183 |
| 22 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.082986 | 0.000000 | 0.000000 |
| 22 | SLU_SISMA_UP | NonStatic | Max | 0.035920 | 0.000000 | 0.000000 | 0.000000 | 0.001246 |
| 22 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.071831 | 0.000000 | 0.000000 |
| 23 | SLE | NonStatic | Max | 0.001928 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 23 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.068831 | 0.000000 | -0.000285 |
| 23 | SLE_SISMA_DOWN | NonStatic | Max | 0.016414 | 0.000000 | 0.000000 | 0.000000 | 0.000352 |
| 23 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074902 | 0.000000 | 0.000000 |
| 23 | SLE_SISMA_UP | NonStatic | Max | 0.016279 | 0.000000 | 0.000000 | 0.000000 | 0.000376 |
| 23 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069570 | 0.000000 | 0.000000 |
| 23 | SLU_SISMA_DOWN | NonStatic | Max | 0.035747 | 0.000000 | 0.000000 | 0.000000 | 0.001244 |
| 23 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.083543 | 0.000000 | 0.000000 |
| 23 | SLU_SISMA_UP | NonStatic | Max | 0.034550 | 0.000000 | 0.000000 | 0.000000 | 0.001291 |
| 23 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.072419 | 0.000000 | 0.000000 |
| 24 | SLE | NonStatic | Max | 0.002211 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 24 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.068733 | 0.000000 | -0.000177 |
| 24 | SLE_SISMA_DOWN | NonStatic | Max | 0.015957 | 0.000000 | 0.000000 | 0.000000 | 0.000470 |
| 24 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074991 | 0.000000 | 0.000000 |
| 24 | SLE_SISMA_UP | NonStatic | Max | 0.015800 | 0.000000 | 0.000000 | 0.000000 | 0.000481 |
| 24 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069668 | 0.000000 | 0.000000 |
| 24 | SLU_SISMA_DOWN | NonStatic | Max | 0.034264 | 0.000000 | 0.000000 | 0.000000 | 0.001356 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 24 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.083892 | 0.000000 | 0.000000 |
| 24 | SLU_SISMA_UP | NonStatic | Max | 0.033025 | 0.000000 | 0.000000 | 0.000000 | 0.001375 |
| 24 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.072783 | 0.000000 | 0.000000 |
| 25 | SLE | NonStatic | Max | 0.002328 | 0.000000 | 0.000000 | 0.000000 | 2.950E-06 |
| 25 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.068693 | 0.000000 | 0.000000 |
| 25 | SLE_SISMA_DOWN | NonStatic | Max | 0.015301 | 0.000000 | 0.000000 | 0.000000 | 0.000658 |
| 25 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.075014 | 0.000000 | 0.000000 |
| 25 | SLE_SISMA_UP | NonStatic | Max | 0.015142 | 0.000000 | 0.000000 | 0.000000 | 0.000649 |
| 25 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069692 | 0.000000 | 0.000000 |
| 25 | SLU_SISMA_DOWN | NonStatic | Max | 0.032567 | 0.000000 | 0.000000 | 0.000000 | 0.001529 |
| 25 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.083999 | 0.000000 | 0.000000 |
| 25 | SLU_SISMA_UP | NonStatic | Max | 0.031332 | 0.000000 | 0.000000 | 0.000000 | 0.001502 |
| 25 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.072894 | 0.000000 | 0.000000 |
| 26 | SLE | NonStatic | Max | 0.002265 | 0.000000 | 0.000000 | 0.000000 | 0.000157 |
| 26 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.068668 | 0.000000 | 0.000000 |
| 26 | SLE_SISMA_DOWN | NonStatic | Max | 0.014648 | 0.000000 | 0.000000 | 0.000000 | 0.000815 |
| 26 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074988 | 0.000000 | 0.000000 |
| 26 | SLE_SISMA_UP | NonStatic | Max | 0.014504 | 0.000000 | 0.000000 | 0.000000 | 0.000789 |
| 26 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069668 | 0.000000 | 0.000000 |
| 26 | SLU_SISMA_DOWN | NonStatic | Max | 0.031140 | 0.000000 | 0.000000 | 0.000000 | 0.001671 |
| 26 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.083970 | 0.000000 | 0.000000 |
| 26 | SLU_SISMA_UP | NonStatic | Max | 0.029946 | 0.000000 | 0.000000 | 0.000000 | 0.001608 |
| 26 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.072869 | 0.000000 | 0.000000 |
| 27 | SLE | NonStatic | Max | 0.002074 | 0.000000 | 0.000000 | 0.000000 | 0.000294 |
| 27 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.068645 | 0.000000 | 0.000000 |
| 27 | SLE_SISMA_DOWN | NonStatic | Max | 0.013868 | 0.000000 | 0.000000 | 0.000000 | 0.000951 |
| 27 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074963 | 0.000000 | 0.000000 |
| 27 | SLE_SISMA_UP | NonStatic | Max | 0.013753 | 0.000000 | 0.000000 | 0.000000 | 0.000912 |
| 27 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069645 | 0.000000 | 0.000000 |
| 27 | SLU_SISMA_DOWN | NonStatic | Max | 0.029601 | 0.000000 | 0.000000 | 0.000000 | 0.001797 |
| 27 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.083943 | 0.000000 | 0.000000 |
| 27 | SLU_SISMA_UP | NonStatic | Max | 0.028476 | 0.000000 | 0.000000 | 0.000000 | 0.001704 |
| 27 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.072846 | 0.000000 | 0.000000 |
| 28 | SLE | NonStatic | Max | 0.001778 | 0.000000 | 0.000000 | 0.000000 | 0.000397 |
| 28 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.068624 | 0.000000 | 0.000000 |
| 28 | SLE_SISMA_DOWN | NonStatic | Max | 0.012983 | 0.000000 | 0.000000 | 0.000000 | 0.001054 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 28 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074940 | 0.000000 | 0.000000 |
| 28 | SLE_SISMA_UP | NonStatic | Max | 0.012909 | 0.000000 | 0.000000 | 0.000000 | 0.001005 |
| 28 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069624 | 0.000000 | 0.000000 |
| 28 | SLU_SISMA_DOWN | NonStatic | Max | 0.027967 | 0.000000 | 0.000000 | 0.000000 | 0.001894 |
| 28 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.083918 | 0.000000 | 0.000000 |
| 28 | SLU_SISMA_UP | NonStatic | Max | 0.026934 | 0.000000 | 0.000000 | 0.000000 | 0.001781 |
| 28 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.072824 | 0.000000 | 0.000000 |
| 29 | SLE | NonStatic | Max | 0.001339 | 0.000000 | 0.000000 | 0.000000 | 0.000448 |
| 29 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.068619 | 0.000000 | 0.000000 |
| 29 | SLE_SISMA_DOWN | NonStatic | Max | 0.011959 | 0.000000 | 0.000000 | 0.000000 | 0.001105 |
| 29 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.074934 | 0.000000 | 0.000000 |
| 29 | SLE_SISMA_UP | NonStatic | Max | 0.011936 | 0.000000 | 0.000000 | 0.000000 | 0.001051 |
| 29 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069618 | 0.000000 | 0.000000 |
| 29 | SLU_SISMA_DOWN | NonStatic | Max | 0.026198 | 0.000000 | 0.000000 | 0.000000 | 0.001943 |
| 29 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.083911 | 0.000000 | 0.000000 |
| 29 | SLU_SISMA_UP | NonStatic | Max | 0.025281 | 0.000000 | 0.000000 | 0.000000 | 0.001821 |
| 29 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.072818 | 0.000000 | 0.000000 |
| 30 | SLE | NonStatic | Max | 0.001301 | 0.000000 | 0.000000 | 0.000000 | 0.000734 |
| 30 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.068106 | 0.000000 | 0.000000 |
| 30 | SLE_SISMA_DOWN | NonStatic | Max | 0.011921 | 0.000000 | 0.000000 | 0.000000 | 0.001384 |
| 30 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.073875 | 0.000000 | 0.000000 |
| 30 | SLE_SISMA_UP | NonStatic | Max | 0.011902 | 0.000000 | 0.000000 | 0.000000 | 0.001306 |
| 30 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.068615 | 0.000000 | 0.000000 |
| 30 | SLU_SISMA_DOWN | NonStatic | Max | 0.026163 | 0.000000 | 0.000000 | 0.000000 | 0.002209 |
| 30 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.082155 | 0.000000 | 0.000000 |
| 30 | SLU_SISMA_UP | NonStatic | Max | 0.025254 | 0.000000 | 0.000000 | 0.000000 | 0.002037 |
| 30 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.071188 | 0.000000 | 0.000000 |
| 31 | SLE | NonStatic | Max | 0.001262 | 0.000000 | 0.000000 | 0.000000 | 0.000983 |
| 31 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.067387 | 0.000000 | 0.000000 |
| 31 | SLE_SISMA_DOWN | NonStatic | Max | 0.011883 | 0.000000 | 0.000000 | 0.000000 | 0.001614 |
| 31 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.072621 | 0.000000 | 0.000000 |
| 31 | SLE_SISMA_UP | NonStatic | Max | 0.011868 | 0.000000 | 0.000000 | 0.000000 | 0.001515 |
| 31 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.067435 | 0.000000 | 0.000000 |
| 31 | SLU_SISMA_DOWN | NonStatic | Max | 0.026128 | 0.000000 | 0.000000 | 0.000000 | 0.002408 |
| 31 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.080226 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 31 | SLU_SISMA_UP | NonStatic | Max | 0.025227 | 0.000000 | 0.000000 | 0.000000 | 0.002192 |
| 31 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.069420 | 0.000000 | 0.000000 |
| 32 | SLE | NonStatic | Max | 0.000823 | 0.000000 | 0.000000 | 0.000000 | 0.001177 |
| 32 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.066255 | 0.000000 | 0.000000 |
| 32 | SLE_SISMA_DOWN | NonStatic | Max | 0.011200 | 0.000000 | 0.000000 | 0.000000 | 0.001771 |
| 32 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.070899 | 0.000000 | 0.000000 |
| 32 | SLE_SISMA_UP | NonStatic | Max | 0.011229 | 0.000000 | 0.000000 | 0.000000 | 0.001656 |
| 32 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.065823 | 0.000000 | 0.000000 |
| 32 | SLU_SISMA_DOWN | NonStatic | Max | 0.025142 | 0.000000 | 0.000000 | 0.000000 | 0.002515 |
| 32 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.077762 | 0.000000 | 0.000000 |
| 32 | SLU_SISMA_UP | NonStatic | Max | 0.024337 | 0.000000 | 0.000000 | 0.000000 | 0.002268 |
| 32 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.067195 | 0.000000 | 0.000000 |
| 33 | SLE | NonStatic | Max | 0.000438 | 0.000000 | 0.000000 | 0.000000 | 0.001177 |
| 33 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.065016 | 0.000000 | 0.000000 |
| 33 | SLE_SISMA_DOWN | NonStatic | Max | 0.010627 | 0.000000 | 0.000000 | 0.000000 | 0.001729 |
| 33 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.069093 | 0.000000 | 0.000000 |
| 33 | SLE_SISMA_UP | NonStatic | Max | 0.010696 | 0.000000 | 0.000000 | 0.000000 | 0.001614 |
| 33 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.064138 | 0.000000 | 0.000000 |
| 33 | SLU_SISMA_DOWN | NonStatic | Max | 0.024338 | 0.000000 | 0.000000 | 0.000000 | 0.002424 |
| 33 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.075247 | 0.000000 | 0.000000 |
| 33 | SLU_SISMA_UP | NonStatic | Max | 0.023617 | 0.000000 | 0.000000 | 0.000000 | 0.002182 |
| 33 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.064935 | 0.000000 | 0.000000 |
| 34 | SLE | NonStatic | Max | 0.000167 | 0.000000 | 0.000000 | 0.000000 | 0.001020 |
| 34 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.063847 | 0.000000 | 0.000000 |
| 34 | SLE_SISMA_DOWN | NonStatic | Max | 0.010220 | 0.000000 | 0.000000 | 0.000000 | 0.001531 |
| 34 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.067390 | 0.000000 | 0.000000 |
| 34 | SLE_SISMA_UP | NonStatic | Max | 0.010317 | 0.000000 | 0.000000 | 0.000000 | 0.001432 |
| 34 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.062548 | 0.000000 | 0.000000 |
| 34 | SLU_SISMA_DOWN | NonStatic | Max | 0.023764 | 0.000000 | 0.000000 | 0.000000 | 0.002185 |
| 34 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.072868 | 0.000000 | 0.000000 |
| 34 | SLU_SISMA_UP | NonStatic | Max | 0.023101 | 0.000000 | 0.000000 | 0.000000 | 0.001978 |
| 34 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.062792 | 0.000000 | 0.000000 |
| 35 | SLE | NonStatic | Max | 0.000022 | 0.000000 | 0.000000 | 0.000000 | 0.000745 |
| 35 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.062899 | 0.000000 | 0.000000 |
| 35 | SLE_SISMA_DOWN | NonStatic | Max | 0.009986 | 0.000000 | 0.000000 | 0.000000 | 0.001222 |
| 35 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.065939 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 35 | SLE_SISMA_UP | NonStatic | Max | 0.010099 | 0.000000 | 0.000000 | 0.000000 | 0.001149 |
| 35 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.061189 | 0.000000 | 0.000000 |
| 35 | SLU_SISMA_DOWN | NonStatic | Max | 0.023419 | 0.000000 | 0.000000 | 0.000000 | 0.001847 |
| 35 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.070768 | 0.000000 | 0.000000 |
| 35 | SLU_SISMA_UP | NonStatic | Max | 0.022788 | 0.000000 | 0.000000 | 0.000000 | 0.001697 |
| 35 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.060883 | 0.000000 | 0.000000 |
| 36 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000392 |
| 36 | SLE | NonStatic | Min | -0.000018 | 0.000000 | -0.062284 | 0.000000 | 0.000000 |
| 36 | SLE_SISMA_DOWN | NonStatic | Max | 0.009896 | 0.000000 | 0.000000 | 0.000000 | 0.000845 |
| 36 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064848 | 0.000000 | 0.000000 |
| 36 | SLE_SISMA_UP | NonStatic | Max | 0.010015 | 0.000000 | 0.000000 | 0.000000 | 0.000804 |
| 36 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.060160 | 0.000000 | 0.000000 |
| 36 | SLU_SISMA_DOWN | NonStatic | Max | 0.023267 | 0.000000 | 0.000000 | 0.000000 | 0.001456 |
| 36 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.069045 | 0.000000 | 0.000000 |
| 36 | SLU_SISMA_UP | NonStatic | Max | 0.022647 | 0.000000 | 0.000000 | 0.000000 | 0.001378 |
| 36 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.059282 | 0.000000 | 0.000000 |
| 37 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.875E-08 |
| 37 | SLE | NonStatic | Min | -1.572E-07 | 0.000000 | -0.062071 | 0.000000 | 0.000000 |
| 37 | SLE_SISMA_DOWN | NonStatic | Max | 0.009900 | 0.000000 | 0.000000 | 0.000000 | 0.000440 |
| 37 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064177 | 0.000000 | 0.000000 |
| 37 | SLE_SISMA_UP | NonStatic | Max | 0.010018 | 0.000000 | 0.000000 | 0.000000 | 0.000435 |
| 37 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.059513 | 0.000000 | 0.000000 |
| 37 | SLU_SISMA_DOWN | NonStatic | Max | 0.023254 | 0.000000 | 0.000000 | 0.000000 | 0.001055 |
| 37 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.067744 | 0.000000 | 0.000000 |
| 37 | SLU_SISMA_UP | NonStatic | Max | 0.022635 | 0.000000 | 0.000000 | 0.000000 | 0.001055 |
| 37 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.058023 | 0.000000 | 0.000000 |
| 38 | SLE | NonStatic | Max | 0.000018 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 38 | SLE | NonStatic | Min | 0.000000 | 0.000000 | -0.062284 | 0.000000 | -0.000392 |
| 38 | SLE_SISMA_DOWN | NonStatic | Max | 0.009937 | 0.000000 | 0.000000 | 0.000000 | 0.000049 |
| 38 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.063938 | 0.000000 | 0.000000 |
| 38 | SLE_SISMA_UP | NonStatic | Max | 0.010054 | 0.000000 | 0.000000 | 0.000000 | 0.000080 |
| 38 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.059260 | 0.000000 | 0.000000 |
| 38 | SLU_SISMA_DOWN | NonStatic | Max | 0.023321 | 0.000000 | 0.000000 | 0.000000 | 0.000686 |
| 38 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066862 | 0.000000 | 0.000000 |
| 38 | SLU_SISMA_UP | NonStatic | Max | 0.022701 | 0.000000 | 0.000000 | 0.000000 | 0.000764 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 38 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.057098 | 0.000000 | 0.000000 |
| 39 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 39 | SLE | NonStatic | Min | -0.000022 | 0.000000 | -0.062899 | 0.000000 | -0.000745 |
| 39 | SLE_SISMA_DOWN | NonStatic | Max | 0.009948 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 39 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064096 | 0.000000 | -0.000290 |
| 39 | SLE_SISMA_UP | NonStatic | Max | 0.010071 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 39 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.059366 | 0.000000 | -0.000226 |
| 39 | SLU_SISMA_DOWN | NonStatic | Max | 0.023412 | 0.000000 | 0.000000 | 0.000000 | 0.000386 |
| 39 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066347 | 0.000000 | 0.000000 |
| 39 | SLU_SISMA_UP | NonStatic | Max | 0.022803 | 0.000000 | 0.000000 | 0.000000 | 0.000532 |
| 39 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.056463 | 0.000000 | 0.000000 |
| 40 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 40 | SLE | NonStatic | Min | -0.000167 | 0.000000 | -0.063847 | 0.000000 | -0.001020 |
| 40 | SLE_SISMA_DOWN | NonStatic | Max | 0.009892 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 40 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.064569 | 0.000000 | -0.000537 |
| 40 | SLE_SISMA_UP | NonStatic | Max | 0.010028 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 40 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.059757 | 0.000000 | -0.000448 |
| 40 | SLU_SISMA_DOWN | NonStatic | Max | 0.023491 | 0.000000 | 0.000000 | 0.000000 | 0.000189 |
| 40 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066109 | 0.000000 | 0.000000 |
| 40 | SLU_SISMA_UP | NonStatic | Max | 0.022914 | 0.000000 | 0.000000 | 0.000000 | 0.000389 |
| 40 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.056039 | 0.000000 | 0.000000 |
| 41 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | SLE | NonStatic | Min | -0.000439 | 0.000000 | -0.065016 | 0.000000 | -0.001177 |
| 41 | SLE_SISMA_DOWN | NonStatic | Max | 0.009751 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.065237 | 0.000000 | -0.000658 |
| 41 | SLE_SISMA_UP | NonStatic | Max | 0.009913 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.060322 | 0.000000 | -0.000553 |
| 41 | SLU_SISMA_DOWN | NonStatic | Max | 0.023552 | 0.000000 | 0.000000 | 0.000000 | 0.000127 |
| 41 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066020 | 0.000000 | 0.000000 |
| 41 | SLU_SISMA_UP | NonStatic | Max | 0.023031 | 0.000000 | 0.000000 | 0.000000 | 0.000357 |
| 41 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.055722 | 0.000000 | 0.000000 |
| 42 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 42 | SLE | NonStatic | Min | -0.000823 | 0.000000 | -0.066256 | 0.000000 | -0.001178 |
| 42 | SLE_SISMA_DOWN | NonStatic | Max | 0.009547 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 42 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.065946 | 0.000000 | -0.000616 |
| 42 | SLE_SISMA_UP | NonStatic | Max | 0.009744 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

**Table: Joint Displacements, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | U1 | U2 | U3 | R1 | R2 |
|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | Radians | Radians |
| 42 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.060920 | 0.000000 | -0.000510 |
| 42 | SLU_SISMA_DOWN | NonStatic | Max | 0.023623 | 0.000000 | 0.000000 | 0.000000 | 0.000228 |
| 42 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.065927 | 0.000000 | 0.000000 |
| 42 | SLU_SISMA_UP | NonStatic | Max | 0.023180 | 0.000000 | 0.000000 | 0.000000 | 0.000458 |
| 42 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.055388 | 0.000000 | 0.000000 |
| 43 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 43 | SLE | NonStatic | Min | -0.001262 | 0.000000 | -0.067387 | 0.000000 | -0.000983 |
| 43 | SLE_SISMA_DOWN | NonStatic | Max | 0.009344 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 43 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066517 | 0.000000 | -0.000378 |
| 43 | SLE_SISMA_UP | NonStatic | Max | 0.009582 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 43 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.061389 | 0.000000 | -0.000289 |
| 43 | SLU_SISMA_DOWN | NonStatic | Max | 0.023775 | 0.000000 | 0.000000 | 0.000000 | 0.000516 |
| 43 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.065662 | 0.000000 | 0.000000 |
| 43 | SLU_SISMA_UP | NonStatic | Max | 0.023421 | 0.000000 | 0.000000 | 0.000000 | 0.000708 |
| 43 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.054903 | 0.000000 | 0.000000 |
| 44 | SLE | NonStatic | Max | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | SLE | NonStatic | Min | -0.001301 | 0.000000 | -0.068106 | 0.000000 | -0.000734 |
| 44 | SLE_SISMA_DOWN | NonStatic | Max | 0.009304 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | SLE_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.066720 | 0.000000 | -0.000100 |
| 44 | SLE_SISMA_UP | NonStatic | Max | 0.009546 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | SLE_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.061527 | 0.000000 | -0.000032 |
| 44 | SLU_SISMA_DOWN | NonStatic | Max | 0.023737 | 0.000000 | 0.000000 | 0.000000 | 0.000823 |
| 44 | SLU_SISMA_DOWN | NonStatic | Min | 0.000000 | 0.000000 | -0.065109 | 0.000000 | 0.000000 |
| 44 | SLU_SISMA_UP | NonStatic | Max | 0.023391 | 0.000000 | 0.000000 | 0.000000 | 0.000967 |
| 44 | SLU_SISMA_UP | NonStatic | Min | 0.000000 | 0.000000 | -0.054210 | 0.000000 | 0.000000 |

## Table: Joint Displacements, Part 2 of 2

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 1 | SLE | Max | 0.000000 |
| 1 | SLE | Min | 0.000000 |
| 1 | SLE_SISMA_DOWN | Max | 0.000000 |
| 1 | SLE_SISMA_DOWN | Min | 0.000000 |
| 1 | SLE_SISMA_UP | Max | 0.000000 |
| 1 | SLE_SISMA_UP | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 1 | SLU_SISMA_DOWN | Max | 0.000000 |
| 1 | SLU_SISMA_DOWN | Min | 0.000000 |
| 1 | SLU_SISMA_UP | Max | 0.000000 |
| 1 | SLU_SISMA_UP | Min | 0.000000 |
| 2 | SLE | Max | 0.000000 |
| 2 | SLE | Min | 0.000000 |
| 2 | SLE_SISMA_DOWN | Max | 0.000000 |
| 2 | SLE_SISMA_DOWN | Min | 0.000000 |
| 2 | SLE_SISMA_UP | Max | 0.000000 |
| 2 | SLE_SISMA_UP | Min | 0.000000 |
| 2 | SLU_SISMA_DOWN | Max | 0.000000 |
| 2 | SLU_SISMA_DOWN | Min | 0.000000 |
| 2 | SLU_SISMA_UP | Max | 0.000000 |
| 2 | SLU_SISMA_UP | Min | 0.000000 |
| 3 | SLE | Max | 0.000000 |
| 3 | SLE | Min | 0.000000 |
| 3 | SLE_SISMA_DOWN | Max | 0.000000 |
| 3 | SLE_SISMA_DOWN | Min | 0.000000 |
| 3 | SLE_SISMA_UP | Max | 0.000000 |
| 3 | SLE_SISMA_UP | Min | 0.000000 |
| 3 | SLU_SISMA_DOWN | Max | 0.000000 |
| 3 | SLU_SISMA_DOWN | Min | 0.000000 |
| 3 | SLU_SISMA_UP | Max | 0.000000 |
| 3 | SLU_SISMA_UP | Min | 0.000000 |
| 4 | SLE | Max | 0.000000 |
| 4 | SLE | Min | 0.000000 |
| 4 | SLE_SISMA_DOWN | Max | 0.000000 |
| 4 | SLE_SISMA_DOWN | Min | 0.000000 |
| 4 | SLE_SISMA_UP | Max | 0.000000 |
| 4 | SLE_SISMA_UP | Min | 0.000000 |
| 4 | SLU_SISMA_DOWN | Max | 0.000000 |
| 4 | SLU_SISMA_DOWN | Min | 0.000000 |
| 4 | SLU_SISMA_UP | Max | 0.000000 |
| 4 | SLU_SISMA_UP | Min | 0.000000 |
| 5 | SLE | Max | 0.000000 |
| 5 | SLE | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 5 | SLE_SISMA_DOWN | Max | 0.000000 |
| 5 | SLE_SISMA_DOWN | Min | 0.000000 |
| 5 | SLE_SISMA_UP | Max | 0.000000 |
| 5 | SLE_SISMA_UP | Min | 0.000000 |
| 5 | SLU_SISMA_DOWN | Max | 0.000000 |
| 5 | SLU_SISMA_DOWN | Min | 0.000000 |
| 5 | SLU_SISMA_UP | Max | 0.000000 |
| 5 | SLU_SISMA_UP | Min | 0.000000 |
| 6 | SLE | Max | 0.000000 |
| 6 | SLE | Min | 0.000000 |
| 6 | SLE_SISMA_DOWN | Max | 0.000000 |
| 6 | SLE_SISMA_DOWN | Min | 0.000000 |
| 6 | SLE_SISMA_UP | Max | 0.000000 |
| 6 | SLE_SISMA_UP | Min | 0.000000 |
| 6 | SLU_SISMA_DOWN | Max | 0.000000 |
| 6 | SLU_SISMA_DOWN | Min | 0.000000 |
| 6 | SLU_SISMA_UP | Max | 0.000000 |
| 6 | SLU_SISMA_UP | Min | 0.000000 |
| 7 | SLE | Max | 0.000000 |
| 7 | SLE | Min | 0.000000 |
| 7 | SLE_SISMA_DOWN | Max | 0.000000 |
| 7 | SLE_SISMA_DOWN | Min | 0.000000 |
| 7 | SLE_SISMA_UP | Max | 0.000000 |
| 7 | SLE_SISMA_UP | Min | 0.000000 |
| 7 | SLU_SISMA_DOWN | Max | 0.000000 |
| 7 | SLU_SISMA_DOWN | Min | 0.000000 |
| 7 | SLU_SISMA_UP | Max | 0.000000 |
| 7 | SLU_SISMA_UP | Min | 0.000000 |
| 8 | SLE | Max | 0.000000 |
| 8 | SLE | Min | 0.000000 |
| 8 | SLE_SISMA_DOWN | Max | 0.000000 |
| 8 | SLE_SISMA_DOWN | Min | 0.000000 |
| 8 | SLE_SISMA_UP | Max | 0.000000 |
| 8 | SLE_SISMA_UP | Min | 0.000000 |
| 8 | SLU_SISMA_DOWN | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 8 | SLU_SISMA_DOWN | Min | 0.000000 |
| 8 | SLU_SISMA_UP | Max | 0.000000 |
| 8 | SLU_SISMA_UP | Min | 0.000000 |
| 9 | SLE | Max | 0.000000 |
| 9 | SLE | Min | 0.000000 |
| 9 | SLE_SISMA_DOWN | Max | 0.000000 |
| 9 | SLE_SISMA_DOWN | Min | 0.000000 |
| 9 | SLE_SISMA_UP | Max | 0.000000 |
| 9 | SLE_SISMA_UP | Min | 0.000000 |
| 9 | SLU_SISMA_DOWN | Max | 0.000000 |
| 9 | SLU_SISMA_DOWN | Min | 0.000000 |
| 9 | SLU_SISMA_UP | Max | 0.000000 |
| 9 | SLU_SISMA_UP | Min | 0.000000 |
| 10 | SLE | Max | 0.000000 |
| 10 | SLE | Min | 0.000000 |
| 10 | SLE_SISMA_DOWN | Max | 0.000000 |
| 10 | SLE_SISMA_DOWN | Min | 0.000000 |
| 10 | SLE_SISMA_UP | Max | 0.000000 |
| 10 | SLE_SISMA_UP | Min | 0.000000 |
| 10 | SLU_SISMA_DOWN | Max | 0.000000 |
| 10 | SLU_SISMA_DOWN | Min | 0.000000 |
| 10 | SLU_SISMA_UP | Max | 0.000000 |
| 10 | SLU_SISMA_UP | Min | 0.000000 |
| 11 | SLE | Max | 0.000000 |
| 11 | SLE | Min | 0.000000 |
| 11 | SLE_SISMA_DOWN | Max | 0.000000 |
| 11 | SLE_SISMA_DOWN | Min | 0.000000 |
| 11 | SLE_SISMA_UP | Max | 0.000000 |
| 11 | SLE_SISMA_UP | Min | 0.000000 |
| 11 | SLU_SISMA_DOWN | Max | 0.000000 |
| 11 | SLU_SISMA_DOWN | Min | 0.000000 |
| 11 | SLU_SISMA_UP | Max | 0.000000 |
| 11 | SLU_SISMA_UP | Min | 0.000000 |
| 12 | SLE | Max | 0.000000 |
| 12 | SLE | Min | 0.000000 |
| 12 | SLE_SISMA_DOWN | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 12 | SLE_SISMA_DOWN | Min | 0.000000 |
| 12 | SLE_SISMA_UP | Max | 0.000000 |
| 12 | SLE_SISMA_UP | Min | 0.000000 |
| 12 | SLU_SISMA_DOWN | Max | 0.000000 |
| 12 | SLU_SISMA_DOWN | Min | 0.000000 |
| 12 | SLU_SISMA_UP | Max | 0.000000 |
| 12 | SLU_SISMA_UP | Min | 0.000000 |
| 13 | SLE | Max | 0.000000 |
| 13 | SLE | Min | 0.000000 |
| 13 | SLE_SISMA_DOWN | Max | 0.000000 |
| 13 | SLE_SISMA_DOWN | Min | 0.000000 |
| 13 | SLE_SISMA_UP | Max | 0.000000 |
| 13 | SLE_SISMA_UP | Min | 0.000000 |
| 13 | SLU_SISMA_DOWN | Max | 0.000000 |
| 13 | SLU_SISMA_DOWN | Min | 0.000000 |
| 13 | SLU_SISMA_UP | Max | 0.000000 |
| 13 | SLU_SISMA_UP | Min | 0.000000 |
| 14 | SLE | Max | 0.000000 |
| 14 | SLE | Min | 0.000000 |
| 14 | SLE_SISMA_DOWN | Max | 0.000000 |
| 14 | SLE_SISMA_DOWN | Min | 0.000000 |
| 14 | SLE_SISMA_UP | Max | 0.000000 |
| 14 | SLE_SISMA_UP | Min | 0.000000 |
| 14 | SLU_SISMA_DOWN | Max | 0.000000 |
| 14 | SLU_SISMA_DOWN | Min | 0.000000 |
| 14 | SLU_SISMA_UP | Max | 0.000000 |
| 14 | SLU_SISMA_UP | Min | 0.000000 |
| 15 | SLE | Max | 0.000000 |
| 15 | SLE | Min | 0.000000 |
| 15 | SLE_SISMA_DOWN | Max | 0.000000 |
| 15 | SLE_SISMA_DOWN | Min | 0.000000 |
| 15 | SLE_SISMA_UP | Max | 0.000000 |
| 15 | SLE_SISMA_UP | Min | 0.000000 |
| 15 | SLU_SISMA_DOWN | Max | 0.000000 |
| 15 | SLU_SISMA_DOWN | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 15 | SLU_SISMA_UP | Max | 0.000000 |
| 15 | SLU_SISMA_UP | Min | 0.000000 |
| 16 | SLE | Max | 0.000000 |
| 16 | SLE | Min | 0.000000 |
| 16 | SLE_SISMA_DOWN | Max | 0.000000 |
| 16 | SLE_SISMA_DOWN | Min | 0.000000 |
| 16 | SLE_SISMA_UP | Max | 0.000000 |
| 16 | SLE_SISMA_UP | Min | 0.000000 |
| 16 | SLU_SISMA_DOWN | Max | 0.000000 |
| 16 | SLU_SISMA_DOWN | Min | 0.000000 |
| 16 | SLU_SISMA_UP | Max | 0.000000 |
| 16 | SLU_SISMA_UP | Min | 0.000000 |
| 17 | SLE | Max | 0.000000 |
| 17 | SLE | Min | 0.000000 |
| 17 | SLE_SISMA_DOWN | Max | 0.000000 |
| 17 | SLE_SISMA_DOWN | Min | 0.000000 |
| 17 | SLE_SISMA_UP | Max | 0.000000 |
| 17 | SLE_SISMA_UP | Min | 0.000000 |
| 17 | SLU_SISMA_DOWN | Max | 0.000000 |
| 17 | SLU_SISMA_DOWN | Min | 0.000000 |
| 17 | SLU_SISMA_UP | Max | 0.000000 |
| 17 | SLU_SISMA_UP | Min | 0.000000 |
| 18 | SLE | Max | 0.000000 |
| 18 | SLE | Min | 0.000000 |
| 18 | SLE_SISMA_DOWN | Max | 0.000000 |
| 18 | SLE_SISMA_DOWN | Min | 0.000000 |
| 18 | SLE_SISMA_UP | Max | 0.000000 |
| 18 | SLE_SISMA_UP | Min | 0.000000 |
| 18 | SLU_SISMA_DOWN | Max | 0.000000 |
| 18 | SLU_SISMA_DOWN | Min | 0.000000 |
| 18 | SLU_SISMA_UP | Max | 0.000000 |
| 18 | SLU_SISMA_UP | Min | 0.000000 |
| 19 | SLE | Max | 0.000000 |
| 19 | SLE | Min | 0.000000 |
| 19 | SLE_SISMA_DOWN | Max | 0.000000 |
| 19 | SLE_SISMA_DOWN | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 19 | SLE_SISMA_UP | Max | 0.000000 |
| 19 | SLE_SISMA_UP | Min | 0.000000 |
| 19 | SLU_SISMA_DOWN | Max | 0.000000 |
| 19 | SLU_SISMA_DOWN | Min | 0.000000 |
| 19 | SLU_SISMA_UP | Max | 0.000000 |
| 19 | SLU_SISMA_UP | Min | 0.000000 |
| 20 | SLE | Max | 0.000000 |
| 20 | SLE | Min | 0.000000 |
| 20 | SLE_SISMA_DOWN | Max | 0.000000 |
| 20 | SLE_SISMA_DOWN | Min | 0.000000 |
| 20 | SLE_SISMA_UP | Max | 0.000000 |
| 20 | SLE_SISMA_UP | Min | 0.000000 |
| 20 | SLU_SISMA_DOWN | Max | 0.000000 |
| 20 | SLU_SISMA_DOWN | Min | 0.000000 |
| 20 | SLU_SISMA_UP | Max | 0.000000 |
| 20 | SLU_SISMA_UP | Min | 0.000000 |
| 21 | SLE | Max | 0.000000 |
| 21 | SLE | Min | 0.000000 |
| 21 | SLE_SISMA_DOWN | Max | 0.000000 |
| 21 | SLE_SISMA_DOWN | Min | 0.000000 |
| 21 | SLE_SISMA_UP | Max | 0.000000 |
| 21 | SLE_SISMA_UP | Min | 0.000000 |
| 21 | SLU_SISMA_DOWN | Max | 0.000000 |
| 21 | SLU_SISMA_DOWN | Min | 0.000000 |
| 21 | SLU_SISMA_UP | Max | 0.000000 |
| 21 | SLU_SISMA_UP | Min | 0.000000 |
| 22 | SLE | Max | 0.000000 |
| 22 | SLE | Min | 0.000000 |
| 22 | SLE_SISMA_DOWN | Max | 0.000000 |
| 22 | SLE_SISMA_DOWN | Min | 0.000000 |
| 22 | SLE_SISMA_UP | Max | 0.000000 |
| 22 | SLE_SISMA_UP | Min | 0.000000 |
| 22 | SLU_SISMA_DOWN | Max | 0.000000 |
| 22 | SLU_SISMA_DOWN | Min | 0.000000 |
| 22 | SLU_SISMA_UP | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 22 | SLU_SISMA_UP | Min | 0.000000 |
| 23 | SLE | Max | 0.000000 |
| 23 | SLE | Min | 0.000000 |
| 23 | SLE_SISMA_DOWN | Max | 0.000000 |
| 23 | SLE_SISMA_DOWN | Min | 0.000000 |
| 23 | SLE_SISMA_UP | Max | 0.000000 |
| 23 | SLE_SISMA_UP | Min | 0.000000 |
| 23 | SLU_SISMA_DOWN | Max | 0.000000 |
| 23 | SLU_SISMA_DOWN | Min | 0.000000 |
| 23 | SLU_SISMA_UP | Max | 0.000000 |
| 23 | SLU_SISMA_UP | Min | 0.000000 |
| 24 | SLE | Max | 0.000000 |
| 24 | SLE | Min | 0.000000 |
| 24 | SLE_SISMA_DOWN | Max | 0.000000 |
| 24 | SLE_SISMA_DOWN | Min | 0.000000 |
| 24 | SLE_SISMA_UP | Max | 0.000000 |
| 24 | SLE_SISMA_UP | Min | 0.000000 |
| 24 | SLU_SISMA_DOWN | Max | 0.000000 |
| 24 | SLU_SISMA_DOWN | Min | 0.000000 |
| 24 | SLU_SISMA_UP | Max | 0.000000 |
| 24 | SLU_SISMA_UP | Min | 0.000000 |
| 25 | SLE | Max | 0.000000 |
| 25 | SLE | Min | 0.000000 |
| 25 | SLE_SISMA_DOWN | Max | 0.000000 |
| 25 | SLE_SISMA_DOWN | Min | 0.000000 |
| 25 | SLE_SISMA_UP | Max | 0.000000 |
| 25 | SLE_SISMA_UP | Min | 0.000000 |
| 25 | SLU_SISMA_DOWN | Max | 0.000000 |
| 25 | SLU_SISMA_DOWN | Min | 0.000000 |
| 25 | SLU_SISMA_UP | Max | 0.000000 |
| 25 | SLU_SISMA_UP | Min | 0.000000 |
| 26 | SLE | Max | 0.000000 |
| 26 | SLE | Min | 0.000000 |
| 26 | SLE_SISMA_DOWN | Max | 0.000000 |
| 26 | SLE_SISMA_DOWN | Min | 0.000000 |
| 26 | SLE_SISMA_UP | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 26 | SLE_SISMA_UP | Min | 0.000000 |
| 26 | SLU_SISMA_DOWN | Max | 0.000000 |
| 26 | SLU_SISMA_DOWN | Min | 0.000000 |
| 26 | SLU_SISMA_UP | Max | 0.000000 |
| 26 | SLU_SISMA_UP | Min | 0.000000 |
| 27 | SLE | Max | 0.000000 |
| 27 | SLE | Min | 0.000000 |
| 27 | SLE_SISMA_DOWN | Max | 0.000000 |
| 27 | SLE_SISMA_DOWN | Min | 0.000000 |
| 27 | SLE_SISMA_UP | Max | 0.000000 |
| 27 | SLE_SISMA_UP | Min | 0.000000 |
| 27 | SLU_SISMA_DOWN | Max | 0.000000 |
| 27 | SLU_SISMA_DOWN | Min | 0.000000 |
| 27 | SLU_SISMA_UP | Max | 0.000000 |
| 27 | SLU_SISMA_UP | Min | 0.000000 |
| 28 | SLE | Max | 0.000000 |
| 28 | SLE | Min | 0.000000 |
| 28 | SLE_SISMA_DOWN | Max | 0.000000 |
| 28 | SLE_SISMA_DOWN | Min | 0.000000 |
| 28 | SLE_SISMA_UP | Max | 0.000000 |
| 28 | SLE_SISMA_UP | Min | 0.000000 |
| 28 | SLU_SISMA_DOWN | Max | 0.000000 |
| 28 | SLU_SISMA_DOWN | Min | 0.000000 |
| 28 | SLU_SISMA_UP | Max | 0.000000 |
| 28 | SLU_SISMA_UP | Min | 0.000000 |
| 29 | SLE | Max | 0.000000 |
| 29 | SLE | Min | 0.000000 |
| 29 | SLE_SISMA_DOWN | Max | 0.000000 |
| 29 | SLE_SISMA_DOWN | Min | 0.000000 |
| 29 | SLE_SISMA_UP | Max | 0.000000 |
| 29 | SLE_SISMA_UP | Min | 0.000000 |
| 29 | SLU_SISMA_DOWN | Max | 0.000000 |
| 29 | SLU_SISMA_DOWN | Min | 0.000000 |
| 29 | SLU_SISMA_UP | Max | 0.000000 |
| 29 | SLU_SISMA_UP | Min | 0.000000 |
| 30 | SLE | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 30 | SLE | Min | 0.000000 |
| 30 | SLE_SISMA_DOWN | Max | 0.000000 |
| 30 | SLE_SISMA_DOWN | Min | 0.000000 |
| 30 | SLE_SISMA_UP | Max | 0.000000 |
| 30 | SLE_SISMA_UP | Min | 0.000000 |
| 30 | SLU_SISMA_DOWN | Max | 0.000000 |
| 30 | SLU_SISMA_DOWN | Min | 0.000000 |
| 30 | SLU_SISMA_UP | Max | 0.000000 |
| 30 | SLU_SISMA_UP | Min | 0.000000 |
| 31 | SLE | Max | 0.000000 |
| 31 | SLE | Min | 0.000000 |
| 31 | SLE_SISMA_DOWN | Max | 0.000000 |
| 31 | SLE_SISMA_DOWN | Min | 0.000000 |
| 31 | SLE_SISMA_UP | Max | 0.000000 |
| 31 | SLE_SISMA_UP | Min | 0.000000 |
| 31 | SLU_SISMA_DOWN | Max | 0.000000 |
| 31 | SLU_SISMA_DOWN | Min | 0.000000 |
| 31 | SLU_SISMA_UP | Max | 0.000000 |
| 31 | SLU_SISMA_UP | Min | 0.000000 |
| 32 | SLE | Max | 0.000000 |
| 32 | SLE | Min | 0.000000 |
| 32 | SLE_SISMA_DOWN | Max | 0.000000 |
| 32 | SLE_SISMA_DOWN | Min | 0.000000 |
| 32 | SLE_SISMA_UP | Max | 0.000000 |
| 32 | SLE_SISMA_UP | Min | 0.000000 |
| 32 | SLU_SISMA_DOWN | Max | 0.000000 |
| 32 | SLU_SISMA_DOWN | Min | 0.000000 |
| 32 | SLU_SISMA_UP | Max | 0.000000 |
| 32 | SLU_SISMA_UP | Min | 0.000000 |
| 33 | SLE | Max | 0.000000 |
| 33 | SLE | Min | 0.000000 |
| 33 | SLE_SISMA_DOWN | Max | 0.000000 |
| 33 | SLE_SISMA_DOWN | Min | 0.000000 |
| 33 | SLE_SISMA_UP | Max | 0.000000 |
| 33 | SLE_SISMA_UP | Min | 0.000000 |
| 33 | SLU_SISMA_DOWN | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 33 | SLU_SISMA_DOWN | Min | 0.000000 |
| 33 | SLU_SISMA_UP | Max | 0.000000 |
| 33 | SLU_SISMA_UP | Min | 0.000000 |
| 34 | SLE | Max | 0.000000 |
| 34 | SLE | Min | 0.000000 |
| 34 | SLE_SISMA_DOWN | Max | 0.000000 |
| 34 | SLE_SISMA_DOWN | Min | 0.000000 |
| 34 | SLE_SISMA_UP | Max | 0.000000 |
| 34 | SLE_SISMA_UP | Min | 0.000000 |
| 34 | SLU_SISMA_DOWN | Max | 0.000000 |
| 34 | SLU_SISMA_DOWN | Min | 0.000000 |
| 34 | SLU_SISMA_UP | Max | 0.000000 |
| 34 | SLU_SISMA_UP | Min | 0.000000 |
| 35 | SLE | Max | 0.000000 |
| 35 | SLE | Min | 0.000000 |
| 35 | SLE_SISMA_DOWN | Max | 0.000000 |
| 35 | SLE_SISMA_DOWN | Min | 0.000000 |
| 35 | SLE_SISMA_UP | Max | 0.000000 |
| 35 | SLE_SISMA_UP | Min | 0.000000 |
| 35 | SLU_SISMA_DOWN | Max | 0.000000 |
| 35 | SLU_SISMA_DOWN | Min | 0.000000 |
| 35 | SLU_SISMA_UP | Max | 0.000000 |
| 35 | SLU_SISMA_UP | Min | 0.000000 |
| 36 | SLE | Max | 0.000000 |
| 36 | SLE | Min | 0.000000 |
| 36 | SLE_SISMA_DOWN | Max | 0.000000 |
| 36 | SLE_SISMA_DOWN | Min | 0.000000 |
| 36 | SLE_SISMA_UP | Max | 0.000000 |
| 36 | SLE_SISMA_UP | Min | 0.000000 |
| 36 | SLU_SISMA_DOWN | Max | 0.000000 |
| 36 | SLU_SISMA_DOWN | Min | 0.000000 |
| 36 | SLU_SISMA_UP | Max | 0.000000 |
| 36 | SLU_SISMA_UP | Min | 0.000000 |
| 37 | SLE | Max | 0.000000 |
| 37 | SLE | Min | 0.000000 |
| 37 | SLE_SISMA_DOWN | Max | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 37 | SLE_SISMA_DOWN | Min | 0.000000 |
| 37 | SLE_SISMA_UP | Max | 0.000000 |
| 37 | SLE_SISMA_UP | Min | 0.000000 |
| 37 | SLU_SISMA_DOWN | Max | 0.000000 |
| 37 | SLU_SISMA_DOWN | Min | 0.000000 |
| 37 | SLU_SISMA_UP | Max | 0.000000 |
| 37 | SLU_SISMA_UP | Min | 0.000000 |
| 38 | SLE | Max | 0.000000 |
| 38 | SLE | Min | 0.000000 |
| 38 | SLE_SISMA_DOWN | Max | 0.000000 |
| 38 | SLE_SISMA_DOWN | Min | 0.000000 |
| 38 | SLE_SISMA_UP | Max | 0.000000 |
| 38 | SLE_SISMA_UP | Min | 0.000000 |
| 38 | SLU_SISMA_DOWN | Max | 0.000000 |
| 38 | SLU_SISMA_DOWN | Min | 0.000000 |
| 38 | SLU_SISMA_UP | Max | 0.000000 |
| 38 | SLU_SISMA_UP | Min | 0.000000 |
| 39 | SLE | Max | 0.000000 |
| 39 | SLE | Min | 0.000000 |
| 39 | SLE_SISMA_DOWN | Max | 0.000000 |
| 39 | SLE_SISMA_DOWN | Min | 0.000000 |
| 39 | SLE_SISMA_UP | Max | 0.000000 |
| 39 | SLE_SISMA_UP | Min | 0.000000 |
| 39 | SLU_SISMA_DOWN | Max | 0.000000 |
| 39 | SLU_SISMA_DOWN | Min | 0.000000 |
| 39 | SLU_SISMA_UP | Max | 0.000000 |
| 39 | SLU_SISMA_UP | Min | 0.000000 |
| 40 | SLE | Max | 0.000000 |
| 40 | SLE | Min | 0.000000 |
| 40 | SLE_SISMA_DOWN | Max | 0.000000 |
| 40 | SLE_SISMA_DOWN | Min | 0.000000 |
| 40 | SLE_SISMA_UP | Max | 0.000000 |
| 40 | SLE_SISMA_UP | Min | 0.000000 |
| 40 | SLU_SISMA_DOWN | Max | 0.000000 |
| 40 | SLU_SISMA_DOWN | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 40 | SLU_SISMA_UP | Max | 0.000000 |
| 40 | SLU_SISMA_UP | Min | 0.000000 |
| 41 | SLE | Max | 0.000000 |
| 41 | SLE | Min | 0.000000 |
| 41 | SLE_SISMA_DOWN | Max | 0.000000 |
| 41 | SLE_SISMA_DOWN | Min | 0.000000 |
| 41 | SLE_SISMA_UP | Max | 0.000000 |
| 41 | SLE_SISMA_UP | Min | 0.000000 |
| 41 | SLU_SISMA_DOWN | Max | 0.000000 |
| 41 | SLU_SISMA_DOWN | Min | 0.000000 |
| 41 | SLU_SISMA_UP | Max | 0.000000 |
| 41 | SLU_SISMA_UP | Min | 0.000000 |
| 42 | SLE | Max | 0.000000 |
| 42 | SLE | Min | 0.000000 |
| 42 | SLE_SISMA_DOWN | Max | 0.000000 |
| 42 | SLE_SISMA_DOWN | Min | 0.000000 |
| 42 | SLE_SISMA_UP | Max | 0.000000 |
| 42 | SLE_SISMA_UP | Min | 0.000000 |
| 42 | SLU_SISMA_DOWN | Max | 0.000000 |
| 42 | SLU_SISMA_DOWN | Min | 0.000000 |
| 42 | SLU_SISMA_UP | Max | 0.000000 |
| 42 | SLU_SISMA_UP | Min | 0.000000 |
| 43 | SLE | Max | 0.000000 |
| 43 | SLE | Min | 0.000000 |
| 43 | SLE_SISMA_DOWN | Max | 0.000000 |
| 43 | SLE_SISMA_DOWN | Min | 0.000000 |
| 43 | SLE_SISMA_UP | Max | 0.000000 |
| 43 | SLE_SISMA_UP | Min | 0.000000 |
| 43 | SLU_SISMA_DOWN | Max | 0.000000 |
| 43 | SLU_SISMA_DOWN | Min | 0.000000 |
| 43 | SLU_SISMA_UP | Max | 0.000000 |
| 43 | SLU_SISMA_UP | Min | 0.000000 |
| 44 | SLE | Max | 0.000000 |
| 44 | SLE | Min | 0.000000 |
| 44 | SLE_SISMA_DOWN | Max | 0.000000 |
| 44 | SLE_SISMA_DOWN | Min | 0.000000 |

**Table: Joint Displacements, Part 2 of 2**

| Joint | OutputCase | StepType | R3 |
|---|---|---|---|
| | | | Radians |
| 44 | SLE_SISMA_UP | Max | 0.000000 |
| 44 | SLE_SISMA_UP | Min | 0.000000 |
| 44 | SLU_SISMA_DOWN | Max | 0.000000 |
| 44 | SLU_SISMA_DOWN | Min | 0.000000 |
| 44 | SLU_SISMA_UP | Max | 0.000000 |
| 44 | SLU_SISMA_UP | Min | 0.000000 |

## Table: Joint Pattern Definitions

**Table: Joint Pattern Definitions**

| Pattern |
|---|
| Default |

## Table: Joint Reactions, Part 1 of 2

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 1 | SLE | NonStatic | Max | 2.189 | 0.000 | 115.505 | 0.0000 | 0.0000 |
| 1 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 1 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 112.268 | 0.0000 | 0.0000 |
| 1 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 1 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 103.446 | 0.0000 | 0.0000 |
| 1 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 1 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 108.254 | 0.0000 | 0.0000 |
| 1 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 1 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 89.736 | 0.0000 | 0.0000 |
| 1 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE | NonStatic | Max | 5.822 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 2 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 3 | SLE | NonStatic | Max | 6.802 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 3 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE | NonStatic | Max | 7.428 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 4 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE | NonStatic | Max | 3.817 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 5 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 6 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 6 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 7 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 8 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 9 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 10 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 10 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 11 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 12 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 13 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 13 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 14 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 15 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 16 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 17 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 17 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 18 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 19 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 20 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 20 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 21 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLU_SISMA_DOWN | NonStatic | Min | -0.247 | 0.000 | -0.110 | 0.0000 | 0.0000 |
| 22 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 22 | SLU_SISMA_UP | NonStatic | Min | -7.173 | 0.000 | -3.191 | 0.0000 | 0.0000 |
| 23 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLU_SISMA_DOWN | NonStatic | Min | -29.102 | 0.000 | -7.466 | 0.0000 | 0.0000 |
| 23 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 23 | SLU_SISMA_UP | NonStatic | Min | -36.693 | 0.000 | -10.209 | 0.0000 | 0.0000 |
| 24 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLE_SISMA_DOWN | NonStatic | Min | -20.798 | 0.000 | -1.745 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 24 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLE_SISMA_UP | NonStatic | Min | -21.422 | 0.000 | -1.797 | 0.0000 | 0.0000 |
| 24 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLU_SISMA_DOWN | NonStatic | Min | -84.490 | 0.000 | -11.561 | 0.0000 | 0.0000 |
| 24 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 24 | SLU_SISMA_UP | NonStatic | Min | -87.109 | 0.000 | -12.347 | 0.0000 | 0.0000 |
| 25 | SLE | NonStatic | Max | 0.000 | 0.000 | 6.281E-05 | 0.0000 | 0.0000 |
| 25 | SLE | NonStatic | Min | -3.818 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 25 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 25 | SLE_SISMA_DOWN | NonStatic | Min | -44.467 | 0.000 | -1.626 | 0.0000 | 0.0000 |
| 25 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 25 | SLE_SISMA_UP | NonStatic | Min | -44.824 | 0.000 | -1.678 | 0.0000 | 0.0000 |
| 25 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 25 | SLU_SISMA_DOWN | NonStatic | Min | -108.301 | 0.000 | -4.607 | 0.0000 | 0.0000 |
| 25 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 25 | SLU_SISMA_UP | NonStatic | Min | -105.624 | 0.000 | -4.552 | 0.0000 | 0.0000 |
| 26 | SLE | NonStatic | Max | 0.000 | 0.000 | 6.111E-05 | 0.0000 | 0.0000 |
| 26 | SLE | NonStatic | Min | -7.428 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 26 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 3.950E-04 | 0.0000 | 0.0000 |
| 26 | SLE_SISMA_DOWN | NonStatic | Min | -48.023 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 26 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 3.911E-04 | 0.0000 | 0.0000 |
| 26 | SLE_SISMA_UP | NonStatic | Min | -47.552 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 26 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 8.397E-04 | 0.0000 | 0.0000 |
| 26 | SLU_SISMA_DOWN | NonStatic | Min | -102.090 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 26 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 8.075E-04 | 0.0000 | 0.0000 |
| 26 | SLU_SISMA_UP | NonStatic | Min | -98.173 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLE | NonStatic | Min | -6.798 | 0.000 | -5.590E-05 | 0.0000 | 0.0000 |
| 27 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLE_SISMA_DOWN | NonStatic | Min | -45.459 | 0.000 | -3.739E-04 | 0.0000 | 0.0000 |
| 27 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLE_SISMA_UP | NonStatic | Min | -45.085 | 0.000 | -3.708E-04 | 0.0000 | 0.0000 |
| 27 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 27 | SLU_SISMA_DOWN | NonStatic | Min | -97.036 | 0.000 | -7.981E-04 | 0.0000 | 0.0000 |
| 27 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 27 | SLU_SISMA_UP | NonStatic | Min | -93.348 | 0.000 | -7.678E-04 | 0.0000 | 0.0000 |
| 28 | SLE | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLE | NonStatic | Min | -5.818 | 0.000 | -4.792E-05 | 0.0000 | 0.0000 |
| 28 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLE_SISMA_DOWN | NonStatic | Min | -42.493 | 0.000 | -3.500E-04 | 0.0000 | 0.0000 |
| 28 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLE_SISMA_UP | NonStatic | Min | -42.250 | 0.000 | -3.480E-04 | 0.0000 | 0.0000 |
| 28 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLU_SISMA_DOWN | NonStatic | Min | -91.535 | 0.000 | -7.540E-04 | 0.0000 | 0.0000 |
| 28 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 28 | SLU_SISMA_UP | NonStatic | Min | -88.154 | 0.000 | -7.262E-04 | 0.0000 | 0.0000 |
| 29 | SLE | NonStatic | Max | 0.000 | 0.000 | 115.501 | 0.0000 | 0.0000 |
| 29 | SLE | NonStatic | Min | -2.188 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 29 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 126.132 | 0.0000 | 0.0000 |
| 29 | SLE_SISMA_DOWN | NonStatic | Min | -19.540 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 29 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 117.183 | 0.0000 | 0.0000 |
| 29 | SLE_SISMA_UP | NonStatic | Min | -19.504 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 29 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 141.241 | 0.0000 | 0.0000 |
| 29 | SLU_SISMA_DOWN | NonStatic | Min | -42.806 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 29 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 122.569 | 0.0000 | 0.0000 |
| 29 | SLU_SISMA_UP | NonStatic | Min | -41.308 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 30 | SLE | NonStatic | Max | 0.000 | 0.000 | 229.275 | 0.0000 | 0.0000 |
| 30 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 30 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 248.696 | 0.0000 | 0.0000 |
| 30 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 30 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 230.988 | 0.0000 | 0.0000 |
| 30 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 30 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 276.572 | 0.0000 | 0.0000 |
| 30 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 30 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 239.649 | 0.0000 | 0.0000 |
| 30 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 31 | SLE | NonStatic | Max | 0.000 | 0.000 | 236.116 | 0.0000 | 0.0000 |
| 31 | SLE | NonStatic | Min | -51.111 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 31 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 262.377 | 0.0000 | 0.0000 |
| 31 | SLE_SISMA_DOWN | NonStatic | Min | -58.381 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 31 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 244.267 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 31 | SLE_SISMA_UP | NonStatic | Min | -54.473 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 31 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 299.638 | 0.0000 | 0.0000 |
| 31 | SLU_SISMA_DOWN | NonStatic | Min | -68.570 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 31 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 261.248 | 0.0000 | 0.0000 |
| 31 | SLU_SISMA_UP | NonStatic | Min | -60.155 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 32 | SLE | NonStatic | Max | 0.000 | 0.000 | 247.160 | 0.0000 | 0.0000 |
| 32 | SLE | NonStatic | Min | -92.574 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 32 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 278.832 | 0.0000 | 0.0000 |
| 32 | SLE_SISMA_DOWN | NonStatic | Min | -104.501 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 32 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 260.028 | 0.0000 | 0.0000 |
| 32 | SLE_SISMA_UP | NonStatic | Min | -97.458 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 32 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 323.706 | 0.0000 | 0.0000 |
| 32 | SLU_SISMA_DOWN | NonStatic | Min | -121.394 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 32 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 283.349 | 0.0000 | 0.0000 |
| 32 | SLU_SISMA_UP | NonStatic | Min | -106.274 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 33 | SLE | NonStatic | Max | 0.000 | 0.000 | 253.785 | 0.0000 | 0.0000 |
| 33 | SLE | NonStatic | Min | -74.822 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 33 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 281.370 | 0.0000 | 0.0000 |
| 33 | SLE_SISMA_DOWN | NonStatic | Min | -83.016 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 33 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 262.145 | 0.0000 | 0.0000 |
| 33 | SLE_SISMA_UP | NonStatic | Min | -77.348 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 33 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 321.092 | 0.0000 | 0.0000 |
| 33 | SLU_SISMA_DOWN | NonStatic | Min | -94.807 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 33 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 280.089 | 0.0000 | 0.0000 |
| 33 | SLU_SISMA_UP | NonStatic | Min | -82.715 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 34 | SLE | NonStatic | Max | 0.000 | 0.000 | 258.199 | 0.0000 | 0.0000 |
| 34 | SLE | NonStatic | Min | -56.392 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 34 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 281.393 | 0.0000 | 0.0000 |
| 34 | SLE_SISMA_DOWN | NonStatic | Min | -61.515 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 34 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 261.907 | 0.0000 | 0.0000 |
| 34 | SLE_SISMA_UP | NonStatic | Min | -57.260 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 34 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 315.488 | 0.0000 | 0.0000 |
| 34 | SLU_SISMA_DOWN | NonStatic | Min | -69.039 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 34 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 274.179 | 0.0000 | 0.0000 |
| 34 | SLU_SISMA_UP | NonStatic | Min | -60.013 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 35 | SLE | NonStatic | Max | 0.000 | 0.000 | 260.932 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 35 | SLE | NonStatic | Min | -37.664 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 35 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 279.510 | 0.0000 | 0.0000 |
| 35 | SLE_SISMA_DOWN | NonStatic | Min | -40.401 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 35 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 259.873 | 0.0000 | 0.0000 |
| 35 | SLE_SISMA_UP | NonStatic | Min | -37.567 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 35 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 307.585 | 0.0000 | 0.0000 |
| 35 | SLU_SISMA_DOWN | NonStatic | Min | -44.528 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 35 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 266.199 | 0.0000 | 0.0000 |
| 35 | SLU_SISMA_UP | NonStatic | Min | -38.551 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 36 | SLE | NonStatic | Max | 0.000 | 0.000 | 262.383 | 0.0000 | 0.0000 |
| 36 | SLE | NonStatic | Min | -18.841 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 36 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 276.186 | 0.0000 | 0.0000 |
| 36 | SLE_SISMA_DOWN | NonStatic | Min | -19.886 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 36 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 256.470 | 0.0000 | 0.0000 |
| 36 | SLE_SISMA_UP | NonStatic | Min | -18.471 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 36 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 297.912 | 0.0000 | 0.0000 |
| 36 | SLU_SISMA_DOWN | NonStatic | Min | -21.519 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 36 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 256.592 | 0.0000 | 0.0000 |
| 36 | SLU_SISMA_UP | NonStatic | Min | -18.549 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 37 | SLE | NonStatic | Max | 0.000 | 0.000 | 262.855 | 0.0000 | 0.0000 |
| 37 | SLE | NonStatic | Min | -1.051E-03 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 37 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 271.775 | 0.0000 | 0.0000 |
| 37 | SLE_SISMA_DOWN | NonStatic | Min | -0.055 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 37 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 252.025 | 0.0000 | 0.0000 |
| 37 | SLE_SISMA_UP | NonStatic | Min | -0.056 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 37 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 286.881 | 0.0000 | 0.0000 |
| 37 | SLU_SISMA_DOWN | NonStatic | Min | -0.128 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 37 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 245.712 | 0.0000 | 0.0000 |
| 37 | SLU_SISMA_UP | NonStatic | Min | -0.125 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 38 | SLE | NonStatic | Max | 18.838 | 0.000 | 262.411 | 0.0000 | 0.0000 |
| 38 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 38 | SLE_SISMA_DOWN | NonStatic | Max | 19.069 | 0.000 | 266.381 | 0.0000 | 0.0000 |
| 38 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 38 | SLE_SISMA_UP | NonStatic | Max | 17.651 | 0.000 | 246.634 | 0.0000 | 0.0000 |
| 38 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 38 | SLU_SISMA_DOWN | NonStatic | Max | 19.589 | 0.000 | 274.650 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 38 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 38 | SLU_SISMA_UP | NonStatic | Max | 16.653 | 0.000 | 233.701 | 0.0000 | 0.0000 |
| 38 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 39 | SLE | NonStatic | Max | 37.662 | 0.000 | 260.933 | 0.0000 | 0.0000 |
| 39 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 39 | SLE_SISMA_DOWN | NonStatic | Max | 37.461 | 0.000 | 259.927 | 0.0000 | 0.0000 |
| 39 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 39 | SLE_SISMA_UP | NonStatic | Max | 34.618 | 0.000 | 240.233 | 0.0000 | 0.0000 |
| 39 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 39 | SLU_SISMA_DOWN | NonStatic | Max | 37.571 | 0.000 | 261.206 | 0.0000 | 0.0000 |
| 39 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 39 | SLU_SISMA_UP | NonStatic | Max | 31.709 | 0.000 | 220.567 | 0.0000 | 0.0000 |
| 39 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 40 | SLE | NonStatic | Max | 56.390 | 0.000 | 258.201 | 0.0000 | 0.0000 |
| 40 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 40 | SLE_SISMA_DOWN | NonStatic | Max | 55.031 | 0.000 | 252.239 | 0.0000 | 0.0000 |
| 40 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 40 | SLE_SISMA_UP | NonStatic | Max | 50.756 | 0.000 | 232.668 | 0.0000 | 0.0000 |
| 40 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 40 | SLU_SISMA_DOWN | NonStatic | Max | 53.691 | 0.000 | 246.458 | 0.0000 | 0.0000 |
| 40 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 40 | SLU_SISMA_UP | NonStatic | Max | 44.916 | 0.000 | 206.268 | 0.0000 | 0.0000 |
| 40 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 41 | SLE | NonStatic | Max | 74.821 | 0.000 | 253.787 | 0.0000 | 0.0000 |
| 41 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 41 | SLE_SISMA_DOWN | NonStatic | Max | 71.564 | 0.000 | 242.945 | 0.0000 | 0.0000 |
| 41 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 41 | SLE_SISMA_UP | NonStatic | Max | 65.863 | 0.000 | 223.610 | 0.0000 | 0.0000 |
| 41 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 41 | SLU_SISMA_DOWN | NonStatic | Max | 67.708 | 0.000 | 230.144 | 0.0000 | 0.0000 |
| 41 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 41 | SLU_SISMA_UP | NonStatic | Max | 56.061 | 0.000 | 190.625 | 0.0000 | 0.0000 |
| 41 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 42 | SLE | NonStatic | Max | 92.573 | 0.000 | 247.163 | 0.0000 | 0.0000 |
| 42 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 42 | SLE_SISMA_DOWN | NonStatic | Max | 86.677 | 0.000 | 231.591 | 0.0000 | 0.0000 |

**Table: Joint Reactions, Part 1 of 2**

| Joint | OutputCase | CaseType | StepType | F1 | F2 | F3 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|
| | | | | KN | KN | KN | KN-m | KN-m |
| 42 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 42 | SLE_SISMA_UP | NonStatic | Max | 79.583 | 0.000 | 212.655 | 0.0000 | 0.0000 |
| 42 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 42 | SLU_SISMA_DOWN | NonStatic | Max | 79.231 | 0.000 | 211.946 | 0.0000 | 0.0000 |
| 42 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 42 | SLU_SISMA_UP | NonStatic | Max | 64.808 | 0.000 | 173.429 | 0.0000 | 0.0000 |
| 42 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 43 | SLE | NonStatic | Max | 51.111 | 0.000 | 236.121 | 0.0000 | 0.0000 |
| 43 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 43 | SLE_SISMA_DOWN | NonStatic | Max | 47.131 | 0.000 | 225.103 | 0.0000 | 0.0000 |
| 43 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 43 | SLE_SISMA_UP | NonStatic | Max | 43.197 | 0.000 | 207.029 | 0.0000 | 0.0000 |
| 43 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 43 | SLU_SISMA_DOWN | NonStatic | Max | 41.963 | 0.000 | 211.258 | 0.0000 | 0.0000 |
| 43 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 43 | SLU_SISMA_UP | NonStatic | Max | 33.977 | 0.000 | 173.979 | 0.0000 | 0.0000 |
| 43 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 44 | SLE | NonStatic | Max | 0.000 | 0.000 | 229.282 | 0.0000 | 0.0000 |
| 44 | SLE | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 44 | SLE_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 224.614 | 0.0000 | 0.0000 |
| 44 | SLE_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 44 | SLE_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 207.132 | 0.0000 | 0.0000 |
| 44 | SLE_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 44 | SLU_SISMA_DOWN | NonStatic | Max | 0.000 | 0.000 | 219.193 | 0.0000 | 0.0000 |
| 44 | SLU_SISMA_DOWN | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |
| 44 | SLU_SISMA_UP | NonStatic | Max | 0.000 | 0.000 | 182.500 | 0.0000 | 0.0000 |
| 44 | SLU_SISMA_UP | NonStatic | Min | 0.000 | 0.000 | 0.000 | 0.0000 | 0.0000 |

## Table: Joint Reactions, Part 2 of 2

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 1 | SLE | Max | 0.0000 |
| 1 | SLE | Min | 0.0000 |
| 1 | SLE_SISMA_DOWN | Max | 0.0000 |
| 1 | SLE_SISMA_DOWN | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 1 | SLE_SISMA_UP | Max | 0.0000 |
| 1 | SLE_SISMA_UP | Min | 0.0000 |
| 1 | SLU_SISMA_DOWN | Max | 0.0000 |
| 1 | SLU_SISMA_DOWN | Min | 0.0000 |
| 1 | SLU_SISMA_UP | Max | 0.0000 |
| 1 | SLU_SISMA_UP | Min | 0.0000 |
| 2 | SLE | Max | 0.0000 |
| 2 | SLE | Min | 0.0000 |
| 2 | SLE_SISMA_DOWN | Max | 0.0000 |
| 2 | SLE_SISMA_DOWN | Min | 0.0000 |
| 2 | SLE_SISMA_UP | Max | 0.0000 |
| 2 | SLE_SISMA_UP | Min | 0.0000 |
| 2 | SLU_SISMA_DOWN | Max | 0.0000 |
| 2 | SLU_SISMA_DOWN | Min | 0.0000 |
| 2 | SLU_SISMA_UP | Max | 0.0000 |
| 2 | SLU_SISMA_UP | Min | 0.0000 |
| 3 | SLE | Max | 0.0000 |
| 3 | SLE | Min | 0.0000 |
| 3 | SLE_SISMA_DOWN | Max | 0.0000 |
| 3 | SLE_SISMA_DOWN | Min | 0.0000 |
| 3 | SLE_SISMA_UP | Max | 0.0000 |
| 3 | SLE_SISMA_UP | Min | 0.0000 |
| 3 | SLU_SISMA_DOWN | Max | 0.0000 |
| 3 | SLU_SISMA_DOWN | Min | 0.0000 |
| 3 | SLU_SISMA_UP | Max | 0.0000 |
| 3 | SLU_SISMA_UP | Min | 0.0000 |
| 4 | SLE | Max | 0.0000 |
| 4 | SLE | Min | 0.0000 |
| 4 | SLE_SISMA_DOWN | Max | 0.0000 |
| 4 | SLE_SISMA_DOWN | Min | 0.0000 |
| 4 | SLE_SISMA_UP | Max | 0.0000 |
| 4 | SLE_SISMA_UP | Min | 0.0000 |
| 4 | SLU_SISMA_DOWN | Max | 0.0000 |
| 4 | SLU_SISMA_DOWN | Min | 0.0000 |
| 4 | SLU_SISMA_UP | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 4 | SLU_SISMA_UP | Min | 0.0000 |
| 5 | SLE | Max | 0.0000 |
| 5 | SLE | Min | 0.0000 |
| 5 | SLE_SISMA_DOWN | Max | 0.0000 |
| 5 | SLE_SISMA_DOWN | Min | 0.0000 |
| 5 | SLE_SISMA_UP | Max | 0.0000 |
| 5 | SLE_SISMA_UP | Min | 0.0000 |
| 5 | SLU_SISMA_DOWN | Max | 0.0000 |
| 5 | SLU_SISMA_DOWN | Min | 0.0000 |
| 5 | SLU_SISMA_UP | Max | 0.0000 |
| 5 | SLU_SISMA_UP | Min | 0.0000 |
| 6 | SLE | Max | 0.0000 |
| 6 | SLE | Min | 0.0000 |
| 6 | SLE_SISMA_DOWN | Max | 0.0000 |
| 6 | SLE_SISMA_DOWN | Min | 0.0000 |
| 6 | SLE_SISMA_UP | Max | 0.0000 |
| 6 | SLE_SISMA_UP | Min | 0.0000 |
| 6 | SLU_SISMA_DOWN | Max | 0.0000 |
| 6 | SLU_SISMA_DOWN | Min | 0.0000 |
| 6 | SLU_SISMA_UP | Max | 0.0000 |
| 6 | SLU_SISMA_UP | Min | 0.0000 |
| 7 | SLE | Max | 0.0000 |
| 7 | SLE | Min | 0.0000 |
| 7 | SLE_SISMA_DOWN | Max | 0.0000 |
| 7 | SLE_SISMA_DOWN | Min | 0.0000 |
| 7 | SLE_SISMA_UP | Max | 0.0000 |
| 7 | SLE_SISMA_UP | Min | 0.0000 |
| 7 | SLU_SISMA_DOWN | Max | 0.0000 |
| 7 | SLU_SISMA_DOWN | Min | 0.0000 |
| 7 | SLU_SISMA_UP | Max | 0.0000 |
| 7 | SLU_SISMA_UP | Min | 0.0000 |
| 8 | SLE | Max | 0.0000 |
| 8 | SLE | Min | 0.0000 |
| 8 | SLE_SISMA_DOWN | Max | 0.0000 |
| 8 | SLE_SISMA_DOWN | Min | 0.0000 |
| 8 | SLE_SISMA_UP | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 8 | SLE_SISMA_UP | Min | 0.0000 |
| 8 | SLU_SISMA_DOWN | Max | 0.0000 |
| 8 | SLU_SISMA_DOWN | Min | 0.0000 |
| 8 | SLU_SISMA_UP | Max | 0.0000 |
| 8 | SLU_SISMA_UP | Min | 0.0000 |
| 9 | SLE | Max | 0.0000 |
| 9 | SLE | Min | 0.0000 |
| 9 | SLE_SISMA_DOWN | Max | 0.0000 |
| 9 | SLE_SISMA_DOWN | Min | 0.0000 |
| 9 | SLE_SISMA_UP | Max | 0.0000 |
| 9 | SLE_SISMA_UP | Min | 0.0000 |
| 9 | SLU_SISMA_DOWN | Max | 0.0000 |
| 9 | SLU_SISMA_DOWN | Min | 0.0000 |
| 9 | SLU_SISMA_UP | Max | 0.0000 |
| 9 | SLU_SISMA_UP | Min | 0.0000 |
| 10 | SLE | Max | 0.0000 |
| 10 | SLE | Min | 0.0000 |
| 10 | SLE_SISMA_DOWN | Max | 0.0000 |
| 10 | SLE_SISMA_DOWN | Min | 0.0000 |
| 10 | SLE_SISMA_UP | Max | 0.0000 |
| 10 | SLE_SISMA_UP | Min | 0.0000 |
| 10 | SLU_SISMA_DOWN | Max | 0.0000 |
| 10 | SLU_SISMA_DOWN | Min | 0.0000 |
| 10 | SLU_SISMA_UP | Max | 0.0000 |
| 10 | SLU_SISMA_UP | Min | 0.0000 |
| 11 | SLE | Max | 0.0000 |
| 11 | SLE | Min | 0.0000 |
| 11 | SLE_SISMA_DOWN | Max | 0.0000 |
| 11 | SLE_SISMA_DOWN | Min | 0.0000 |
| 11 | SLE_SISMA_UP | Max | 0.0000 |
| 11 | SLE_SISMA_UP | Min | 0.0000 |
| 11 | SLU_SISMA_DOWN | Max | 0.0000 |
| 11 | SLU_SISMA_DOWN | Min | 0.0000 |
| 11 | SLU_SISMA_UP | Max | 0.0000 |
| 11 | SLU_SISMA_UP | Min | 0.0000 |
| 12 | SLE | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 KN-m |
|---|---|---|---|
| 12 | SLE | Min | 0.0000 |
| 12 | SLE_SISMA_DOWN | Max | 0.0000 |
| 12 | SLE_SISMA_DOWN | Min | 0.0000 |
| 12 | SLE_SISMA_UP | Max | 0.0000 |
| 12 | SLE_SISMA_UP | Min | 0.0000 |
| 12 | SLU_SISMA_DOWN | Max | 0.0000 |
| 12 | SLU_SISMA_DOWN | Min | 0.0000 |
| 12 | SLU_SISMA_UP | Max | 0.0000 |
| 12 | SLU_SISMA_UP | Min | 0.0000 |
| 13 | SLE | Max | 0.0000 |
| 13 | SLE | Min | 0.0000 |
| 13 | SLE_SISMA_DOWN | Max | 0.0000 |
| 13 | SLE_SISMA_DOWN | Min | 0.0000 |
| 13 | SLE_SISMA_UP | Max | 0.0000 |
| 13 | SLE_SISMA_UP | Min | 0.0000 |
| 13 | SLU_SISMA_DOWN | Max | 0.0000 |
| 13 | SLU_SISMA_DOWN | Min | 0.0000 |
| 13 | SLU_SISMA_UP | Max | 0.0000 |
| 13 | SLU_SISMA_UP | Min | 0.0000 |
| 14 | SLE | Max | 0.0000 |
| 14 | SLE | Min | 0.0000 |
| 14 | SLE_SISMA_DOWN | Max | 0.0000 |
| 14 | SLE_SISMA_DOWN | Min | 0.0000 |
| 14 | SLE_SISMA_UP | Max | 0.0000 |
| 14 | SLE_SISMA_UP | Min | 0.0000 |
| 14 | SLU_SISMA_DOWN | Max | 0.0000 |
| 14 | SLU_SISMA_DOWN | Min | 0.0000 |
| 14 | SLU_SISMA_UP | Max | 0.0000 |
| 14 | SLU_SISMA_UP | Min | 0.0000 |
| 15 | SLE | Max | 0.0000 |
| 15 | SLE | Min | 0.0000 |
| 15 | SLE_SISMA_DOWN | Max | 0.0000 |
| 15 | SLE_SISMA_DOWN | Min | 0.0000 |
| 15 | SLE_SISMA_UP | Max | 0.0000 |
| 15 | SLE_SISMA_UP | Min | 0.0000 |
| 15 | SLU_SISMA_DOWN | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 KN-m |
|---|---|---|---|
| 15 | SLU_SISMA_DOWN | Min | 0.0000 |
| 15 | SLU_SISMA_UP | Max | 0.0000 |
| 15 | SLU_SISMA_UP | Min | 0.0000 |
| 16 | SLE | Max | 0.0000 |
| 16 | SLE | Min | 0.0000 |
| 16 | SLE_SISMA_DOWN | Max | 0.0000 |
| 16 | SLE_SISMA_DOWN | Min | 0.0000 |
| 16 | SLE_SISMA_UP | Max | 0.0000 |
| 16 | SLE_SISMA_UP | Min | 0.0000 |
| 16 | SLU_SISMA_DOWN | Max | 0.0000 |
| 16 | SLU_SISMA_DOWN | Min | 0.0000 |
| 16 | SLU_SISMA_UP | Max | 0.0000 |
| 16 | SLU_SISMA_UP | Min | 0.0000 |
| 17 | SLE | Max | 0.0000 |
| 17 | SLE | Min | 0.0000 |
| 17 | SLE_SISMA_DOWN | Max | 0.0000 |
| 17 | SLE_SISMA_DOWN | Min | 0.0000 |
| 17 | SLE_SISMA_UP | Max | 0.0000 |
| 17 | SLE_SISMA_UP | Min | 0.0000 |
| 17 | SLU_SISMA_DOWN | Max | 0.0000 |
| 17 | SLU_SISMA_DOWN | Min | 0.0000 |
| 17 | SLU_SISMA_UP | Max | 0.0000 |
| 17 | SLU_SISMA_UP | Min | 0.0000 |
| 18 | SLE | Max | 0.0000 |
| 18 | SLE | Min | 0.0000 |
| 18 | SLE_SISMA_DOWN | Max | 0.0000 |
| 18 | SLE_SISMA_DOWN | Min | 0.0000 |
| 18 | SLE_SISMA_UP | Max | 0.0000 |
| 18 | SLE_SISMA_UP | Min | 0.0000 |
| 18 | SLU_SISMA_DOWN | Max | 0.0000 |
| 18 | SLU_SISMA_DOWN | Min | 0.0000 |
| 18 | SLU_SISMA_UP | Max | 0.0000 |
| 18 | SLU_SISMA_UP | Min | 0.0000 |
| 19 | SLE | Max | 0.0000 |
| 19 | SLE | Min | 0.0000 |
| 19 | SLE_SISMA_DOWN | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 19 | SLE_SISMA_DOWN | Min | 0.0000 |
| 19 | SLE_SISMA_UP | Max | 0.0000 |
| 19 | SLE_SISMA_UP | Min | 0.0000 |
| 19 | SLU_SISMA_DOWN | Max | 0.0000 |
| 19 | SLU_SISMA_DOWN | Min | 0.0000 |
| 19 | SLU_SISMA_UP | Max | 0.0000 |
| 19 | SLU_SISMA_UP | Min | 0.0000 |
| 20 | SLE | Max | 0.0000 |
| 20 | SLE | Min | 0.0000 |
| 20 | SLE_SISMA_DOWN | Max | 0.0000 |
| 20 | SLE_SISMA_DOWN | Min | 0.0000 |
| 20 | SLE_SISMA_UP | Max | 0.0000 |
| 20 | SLE_SISMA_UP | Min | 0.0000 |
| 20 | SLU_SISMA_DOWN | Max | 0.0000 |
| 20 | SLU_SISMA_DOWN | Min | 0.0000 |
| 20 | SLU_SISMA_UP | Max | 0.0000 |
| 20 | SLU_SISMA_UP | Min | 0.0000 |
| 21 | SLE | Max | 0.0000 |
| 21 | SLE | Min | 0.0000 |
| 21 | SLE_SISMA_DOWN | Max | 0.0000 |
| 21 | SLE_SISMA_DOWN | Min | 0.0000 |
| 21 | SLE_SISMA_UP | Max | 0.0000 |
| 21 | SLE_SISMA_UP | Min | 0.0000 |
| 21 | SLU_SISMA_DOWN | Max | 0.0000 |
| 21 | SLU_SISMA_DOWN | Min | 0.0000 |
| 21 | SLU_SISMA_UP | Max | 0.0000 |
| 21 | SLU_SISMA_UP | Min | 0.0000 |
| 22 | SLE | Max | 0.0000 |
| 22 | SLE | Min | 0.0000 |
| 22 | SLE_SISMA_DOWN | Max | 0.0000 |
| 22 | SLE_SISMA_DOWN | Min | 0.0000 |
| 22 | SLE_SISMA_UP | Max | 0.0000 |
| 22 | SLE_SISMA_UP | Min | 0.0000 |
| 22 | SLU_SISMA_DOWN | Max | 0.0000 |
| 22 | SLU_SISMA_DOWN | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 22 | SLU_SISMA_UP | Max | 0.0000 |
| 22 | SLU_SISMA_UP | Min | 0.0000 |
| 23 | SLE | Max | 0.0000 |
| 23 | SLE | Min | 0.0000 |
| 23 | SLE_SISMA_DOWN | Max | 0.0000 |
| 23 | SLE_SISMA_DOWN | Min | 0.0000 |
| 23 | SLE_SISMA_UP | Max | 0.0000 |
| 23 | SLE_SISMA_UP | Min | 0.0000 |
| 23 | SLU_SISMA_DOWN | Max | 0.0000 |
| 23 | SLU_SISMA_DOWN | Min | 0.0000 |
| 23 | SLU_SISMA_UP | Max | 0.0000 |
| 23 | SLU_SISMA_UP | Min | 0.0000 |
| 24 | SLE | Max | 0.0000 |
| 24 | SLE | Min | 0.0000 |
| 24 | SLE_SISMA_DOWN | Max | 0.0000 |
| 24 | SLE_SISMA_DOWN | Min | 0.0000 |
| 24 | SLE_SISMA_UP | Max | 0.0000 |
| 24 | SLE_SISMA_UP | Min | 0.0000 |
| 24 | SLU_SISMA_DOWN | Max | 0.0000 |
| 24 | SLU_SISMA_DOWN | Min | 0.0000 |
| 24 | SLU_SISMA_UP | Max | 0.0000 |
| 24 | SLU_SISMA_UP | Min | 0.0000 |
| 25 | SLE | Max | 0.0000 |
| 25 | SLE | Min | 0.0000 |
| 25 | SLE_SISMA_DOWN | Max | 0.0000 |
| 25 | SLE_SISMA_DOWN | Min | 0.0000 |
| 25 | SLE_SISMA_UP | Max | 0.0000 |
| 25 | SLE_SISMA_UP | Min | 0.0000 |
| 25 | SLU_SISMA_DOWN | Max | 0.0000 |
| 25 | SLU_SISMA_DOWN | Min | 0.0000 |
| 25 | SLU_SISMA_UP | Max | 0.0000 |
| 25 | SLU_SISMA_UP | Min | 0.0000 |
| 26 | SLE | Max | 0.0000 |
| 26 | SLE | Min | 0.0000 |
| 26 | SLE_SISMA_DOWN | Max | 0.0000 |
| 26 | SLE_SISMA_DOWN | Min | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 26 | SLE_SISMA_UP | Max | 0.0000 |
| 26 | SLE_SISMA_UP | Min | 0.0000 |
| 26 | SLU_SISMA_DOWN | Max | 0.0000 |
| 26 | SLU_SISMA_DOWN | Min | 0.0000 |
| 26 | SLU_SISMA_UP | Max | 0.0000 |
| 26 | SLU_SISMA_UP | Min | 0.0000 |
| 27 | SLE | Max | 0.0000 |
| 27 | SLE | Min | 0.0000 |
| 27 | SLE_SISMA_DOWN | Max | 0.0000 |
| 27 | SLE_SISMA_DOWN | Min | 0.0000 |
| 27 | SLE_SISMA_UP | Max | 0.0000 |
| 27 | SLE_SISMA_UP | Min | 0.0000 |
| 27 | SLU_SISMA_DOWN | Max | 0.0000 |
| 27 | SLU_SISMA_DOWN | Min | 0.0000 |
| 27 | SLU_SISMA_UP | Max | 0.0000 |
| 27 | SLU_SISMA_UP | Min | 0.0000 |
| 28 | SLE | Max | 0.0000 |
| 28 | SLE | Min | 0.0000 |
| 28 | SLE_SISMA_DOWN | Max | 0.0000 |
| 28 | SLE_SISMA_DOWN | Min | 0.0000 |
| 28 | SLE_SISMA_UP | Max | 0.0000 |
| 28 | SLE_SISMA_UP | Min | 0.0000 |
| 28 | SLU_SISMA_DOWN | Max | 0.0000 |
| 28 | SLU_SISMA_DOWN | Min | 0.0000 |
| 28 | SLU_SISMA_UP | Max | 0.0000 |
| 28 | SLU_SISMA_UP | Min | 0.0000 |
| 29 | SLE | Max | 0.0000 |
| 29 | SLE | Min | 0.0000 |
| 29 | SLE_SISMA_DOWN | Max | 0.0000 |
| 29 | SLE_SISMA_DOWN | Min | 0.0000 |
| 29 | SLE_SISMA_UP | Max | 0.0000 |
| 29 | SLE_SISMA_UP | Min | 0.0000 |
| 29 | SLU_SISMA_DOWN | Max | 0.0000 |
| 29 | SLU_SISMA_DOWN | Min | 0.0000 |
| 29 | SLU_SISMA_UP | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 29 | SLU_SISMA_UP | Min | 0.0000 |
| 30 | SLE | Max | 0.0000 |
| 30 | SLE | Min | 0.0000 |
| 30 | SLE_SISMA_DOWN | Max | 0.0000 |
| 30 | SLE_SISMA_DOWN | Min | 0.0000 |
| 30 | SLE_SISMA_UP | Max | 0.0000 |
| 30 | SLE_SISMA_UP | Min | 0.0000 |
| 30 | SLU_SISMA_DOWN | Max | 0.0000 |
| 30 | SLU_SISMA_DOWN | Min | 0.0000 |
| 30 | SLU_SISMA_UP | Max | 0.0000 |
| 30 | SLU_SISMA_UP | Min | 0.0000 |
| 31 | SLE | Max | 0.0000 |
| 31 | SLE | Min | 0.0000 |
| 31 | SLE_SISMA_DOWN | Max | 0.0000 |
| 31 | SLE_SISMA_DOWN | Min | 0.0000 |
| 31 | SLE_SISMA_UP | Max | 0.0000 |
| 31 | SLE_SISMA_UP | Min | 0.0000 |
| 31 | SLU_SISMA_DOWN | Max | 0.0000 |
| 31 | SLU_SISMA_DOWN | Min | 0.0000 |
| 31 | SLU_SISMA_UP | Max | 0.0000 |
| 31 | SLU_SISMA_UP | Min | 0.0000 |
| 32 | SLE | Max | 0.0000 |
| 32 | SLE | Min | 0.0000 |
| 32 | SLE_SISMA_DOWN | Max | 0.0000 |
| 32 | SLE_SISMA_DOWN | Min | 0.0000 |
| 32 | SLE_SISMA_UP | Max | 0.0000 |
| 32 | SLE_SISMA_UP | Min | 0.0000 |
| 32 | SLU_SISMA_DOWN | Max | 0.0000 |
| 32 | SLU_SISMA_DOWN | Min | 0.0000 |
| 32 | SLU_SISMA_UP | Max | 0.0000 |
| 32 | SLU_SISMA_UP | Min | 0.0000 |
| 33 | SLE | Max | 0.0000 |
| 33 | SLE | Min | 0.0000 |
| 33 | SLE_SISMA_DOWN | Max | 0.0000 |
| 33 | SLE_SISMA_DOWN | Min | 0.0000 |
| 33 | SLE_SISMA_UP | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 |
|---|---|---|---|
| | | | KN-m |
| 33 | SLE_SISMA_UP | Min | 0.0000 |
| 33 | SLU_SISMA_DOWN | Max | 0.0000 |
| 33 | SLU_SISMA_DOWN | Min | 0.0000 |
| 33 | SLU_SISMA_UP | Max | 0.0000 |
| 33 | SLU_SISMA_UP | Min | 0.0000 |
| 34 | SLE | Max | 0.0000 |
| 34 | SLE | Min | 0.0000 |
| 34 | SLE_SISMA_DOWN | Max | 0.0000 |
| 34 | SLE_SISMA_DOWN | Min | 0.0000 |
| 34 | SLE_SISMA_UP | Max | 0.0000 |
| 34 | SLE_SISMA_UP | Min | 0.0000 |
| 34 | SLU_SISMA_DOWN | Max | 0.0000 |
| 34 | SLU_SISMA_DOWN | Min | 0.0000 |
| 34 | SLU_SISMA_UP | Max | 0.0000 |
| 34 | SLU_SISMA_UP | Min | 0.0000 |
| 35 | SLE | Max | 0.0000 |
| 35 | SLE | Min | 0.0000 |
| 35 | SLE_SISMA_DOWN | Max | 0.0000 |
| 35 | SLE_SISMA_DOWN | Min | 0.0000 |
| 35 | SLE_SISMA_UP | Max | 0.0000 |
| 35 | SLE_SISMA_UP | Min | 0.0000 |
| 35 | SLU_SISMA_DOWN | Max | 0.0000 |
| 35 | SLU_SISMA_DOWN | Min | 0.0000 |
| 35 | SLU_SISMA_UP | Max | 0.0000 |
| 35 | SLU_SISMA_UP | Min | 0.0000 |
| 36 | SLE | Max | 0.0000 |
| 36 | SLE | Min | 0.0000 |
| 36 | SLE_SISMA_DOWN | Max | 0.0000 |
| 36 | SLE_SISMA_DOWN | Min | 0.0000 |
| 36 | SLE_SISMA_UP | Max | 0.0000 |
| 36 | SLE_SISMA_UP | Min | 0.0000 |
| 36 | SLU_SISMA_DOWN | Max | 0.0000 |
| 36 | SLU_SISMA_DOWN | Min | 0.0000 |
| 36 | SLU_SISMA_UP | Max | 0.0000 |
| 36 | SLU_SISMA_UP | Min | 0.0000 |
| 37 | SLE | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 KN-m |
|---|---|---|---|
| 37 | SLE | Min | 0.0000 |
| 37 | SLE_SISMA_DOWN | Max | 0.0000 |
| 37 | SLE_SISMA_DOWN | Min | 0.0000 |
| 37 | SLE_SISMA_UP | Max | 0.0000 |
| 37 | SLE_SISMA_UP | Min | 0.0000 |
| 37 | SLU_SISMA_DOWN | Max | 0.0000 |
| 37 | SLU_SISMA_DOWN | Min | 0.0000 |
| 37 | SLU_SISMA_UP | Max | 0.0000 |
| 37 | SLU_SISMA_UP | Min | 0.0000 |
| 38 | SLE | Max | 0.0000 |
| 38 | SLE | Min | 0.0000 |
| 38 | SLE_SISMA_DOWN | Max | 0.0000 |
| 38 | SLE_SISMA_DOWN | Min | 0.0000 |
| 38 | SLE_SISMA_UP | Max | 0.0000 |
| 38 | SLE_SISMA_UP | Min | 0.0000 |
| 38 | SLU_SISMA_DOWN | Max | 0.0000 |
| 38 | SLU_SISMA_DOWN | Min | 0.0000 |
| 38 | SLU_SISMA_UP | Max | 0.0000 |
| 38 | SLU_SISMA_UP | Min | 0.0000 |
| 39 | SLE | Max | 0.0000 |
| 39 | SLE | Min | 0.0000 |
| 39 | SLE_SISMA_DOWN | Max | 0.0000 |
| 39 | SLE_SISMA_DOWN | Min | 0.0000 |
| 39 | SLE_SISMA_UP | Max | 0.0000 |
| 39 | SLE_SISMA_UP | Min | 0.0000 |
| 39 | SLU_SISMA_DOWN | Max | 0.0000 |
| 39 | SLU_SISMA_DOWN | Min | 0.0000 |
| 39 | SLU_SISMA_UP | Max | 0.0000 |
| 39 | SLU_SISMA_UP | Min | 0.0000 |
| 40 | SLE | Max | 0.0000 |
| 40 | SLE | Min | 0.0000 |
| 40 | SLE_SISMA_DOWN | Max | 0.0000 |
| 40 | SLE_SISMA_DOWN | Min | 0.0000 |
| 40 | SLE_SISMA_UP | Max | 0.0000 |
| 40 | SLE_SISMA_UP | Min | 0.0000 |
| 40 | SLU_SISMA_DOWN | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 KN-m |
|---|---|---|---|
| 40 | SLU_SISMA_DOWN | Min | 0.0000 |
| 40 | SLU_SISMA_UP | Max | 0.0000 |
| 40 | SLU_SISMA_UP | Min | 0.0000 |
| 41 | SLE | Max | 0.0000 |
| 41 | SLE | Min | 0.0000 |
| 41 | SLE_SISMA_DOWN | Max | 0.0000 |
| 41 | SLE_SISMA_DOWN | Min | 0.0000 |
| 41 | SLE_SISMA_UP | Max | 0.0000 |
| 41 | SLE_SISMA_UP | Min | 0.0000 |
| 41 | SLU_SISMA_DOWN | Max | 0.0000 |
| 41 | SLU_SISMA_DOWN | Min | 0.0000 |
| 41 | SLU_SISMA_UP | Max | 0.0000 |
| 41 | SLU_SISMA_UP | Min | 0.0000 |
| 42 | SLE | Max | 0.0000 |
| 42 | SLE | Min | 0.0000 |
| 42 | SLE_SISMA_DOWN | Max | 0.0000 |
| 42 | SLE_SISMA_DOWN | Min | 0.0000 |
| 42 | SLE_SISMA_UP | Max | 0.0000 |
| 42 | SLE_SISMA_UP | Min | 0.0000 |
| 42 | SLU_SISMA_DOWN | Max | 0.0000 |
| 42 | SLU_SISMA_DOWN | Min | 0.0000 |
| 42 | SLU_SISMA_UP | Max | 0.0000 |
| 42 | SLU_SISMA_UP | Min | 0.0000 |
| 43 | SLE | Max | 0.0000 |
| 43 | SLE | Min | 0.0000 |
| 43 | SLE_SISMA_DOWN | Max | 0.0000 |
| 43 | SLE_SISMA_DOWN | Min | 0.0000 |
| 43 | SLE_SISMA_UP | Max | 0.0000 |
| 43 | SLE_SISMA_UP | Min | 0.0000 |
| 43 | SLU_SISMA_DOWN | Max | 0.0000 |
| 43 | SLU_SISMA_DOWN | Min | 0.0000 |
| 43 | SLU_SISMA_UP | Max | 0.0000 |
| 43 | SLU_SISMA_UP | Min | 0.0000 |
| 44 | SLE | Max | 0.0000 |
| 44 | SLE | Min | 0.0000 |
| 44 | SLE_SISMA_DOWN | Max | 0.0000 |

**Table: Joint Reactions, Part 2 of 2**

| Joint | OutputCase | StepType | M3 KN-m |
|---|---|---|---|
| 44 | SLE_SISMA_DOWN | Min | 0.0000 |
| 44 | SLE_SISMA_UP | Max | 0.0000 |
| 44 | SLE_SISMA_UP | Min | 0.0000 |
| 44 | SLU_SISMA_DOWN | Max | 0.0000 |
| 44 | SLU_SISMA_DOWN | Min | 0.0000 |
| 44 | SLU_SISMA_UP | Max | 0.0000 |
| 44 | SLU_SISMA_UP | Min | 0.0000 |

## Table: Load Case Definitions, Part 1 of 2

**Table: Load Case Definitions, Part 1 of 2**

| Case | Type | InitialCond | ModalCase | BaseCase | DesTypeOpt | DesignType | AutoType |
|---|---|---|---|---|---|---|---|
| SLE | NonStatic | Zero | | | Prog Det | DEAD | None |
| SLE_SISMA_DOWN | NonStatic | Zero | | | Prog Det | DEAD | None |
| SLE_SISMA_UP | NonStatic | Zero | | | Prog Det | DEAD | None |
| SLU_SISMA_DOWN | NonStatic | Zero | | | Prog Det | DEAD | None |
| SLU_SISMA_UP | NonStatic | Zero | | | Prog Det | DEAD | None |

## Table: Load Case Definitions, Part 2 of 2

**Table: Load Case Definitions, Part 2 of 2**

| Case | RunCase | CaseStatus | GUID | Notes |
|---|---|---|---|---|
| SLE | Yes | Finished | | |
| SLE_SISMA_DOWN | Yes | Finished | | |
| SLE_SISMA_UP | Yes | Finished | | |
| SLU_SISMA_DOWN | Yes | Finished | | |
| SLU_SISMA_UP | Yes | Finished | | |

## Table: Load Pattern Definitions

**Table: Load Pattern Definitions**

| LoadPat | DesignType | SelfWtMult | AutoLoad | GUID | Notes |
|---|---|---|---|---|---|
| DEAD | DEAD | 1.000000 | | | |
| PV_SLE | DEAD | 0.000000 | | | |
| PHSX_SLE | DEAD | 0.000000 | | | |
| PHDX_SLE | DEAD | 0.000000 | | | |
| PV_SLE_SISMA_DOWN | DEAD | 0.000000 | | | |
| PHSX_SLE_SISMA | DEAD | 0.000000 | | | |
| PHDX_SLE_SISMA | DEAD | 0.000000 | | | |
| PV_SLE_SISMA_UP | DEAD | 0.000000 | | | |

**Table: Load Pattern Definitions**

| LoadPat | DesignType | SelfWtMult | AutoLoad | GUID | Notes |
|---|---|---|---|---|---|
| DEAD_SLE_SISMA_DOWN | DEAD | 1.032000 | | | |
| DEAD_SLE_SISMA_UP | DEAD | 0.944000 | | | |
| DEAD_SLU_SISMA_DOWN | DEAD | 1.080000 | | | |
| DEAD_SLU_SISMA_UP | DEAD | 0.920000 | | | |
| PV_SLU_SISMA_DOWN | DEAD | 0.000000 | | | |
| PV_SLU_SISMA_UP | DEAD | 0.000000 | | | |
| PHSX_SLU_SISMA | DEAD | 0.000000 | | | |
| PHDX_SLU_SISMA | DEAD | 0.000000 | | | |

## Table: Masses 1 - Mass Source

**Table: Masses 1 - Mass Source**

| MassFrom |
|---|
| Elements |

## Table: Material List 1 - By Object Type

**Table: Material List 1 - By Object Type**

| ObjectType | Material | TotalWeight KN | NumPieces |
|---|---|---|---|
| Frame | CONC Rck 30 MPa | 1186.982 | 46 |

## Table: Material List 2 - By Section Property

**Table: Material List 2 - By Section Property**

| Section | ObjectType | NumPieces | TotalLength m | TotalWeight KN |
|---|---|---|---|---|
| 120 | Frame | 18 | 19.53278 | 585.983 |
| 125 | Frame | 6 | 7.10076 | 221.899 |
| 125_127 | Frame | 1 | 1.18346 | 0.000 |
| 127_125 | Frame | 1 | 1.18346 | 0.000 |
| 127_147 | Frame | 1 | 1.18346 | 0.000 |
| 147_127 | Frame | 1 | 1.18346 | 0.000 |
| 147_190 | Frame | 1 | 1.18346 | 0.000 |
| 176_182 | Frame | 1 | 0.89498 | 40.050 |
| 176_187 | Frame | 1 | 1.18320 | 0.000 |
| 182_176 | Frame | 1 | 0.89498 | 40.050 |
| 182_201 | Frame | 1 | 0.89498 | 42.847 |
| 187_176 | Frame | 1 | 1.18323 | 0.000 |
| 187_224 | Frame | 1 | 1.18320 | 0.000 |
| 190_147 | Frame | 1 | 1.18346 | 0.000 |
| 190_263 | Frame | 1 | 1.18328 | 0.000 |
| 201_182 | Frame | 1 | 0.89498 | 42.847 |
| 201_235 | Frame | 1 | 0.89493 | 48.774 |
| 224_187 | Frame | 1 | 1.18320 | 0.000 |
| 224_263 | Frame | 1 | 1.18320 | 0.000 |
| 235_201 | Frame | 1 | 0.89498 | 48.776 |
| 235_284 | Frame | 1 | 0.89214 | 57.878 |

**Table: Material List 2 - By Section Property**

| Section | ObjectType | NumPieces | TotalLength | TotalWeight |
|---|---|---|---|---|
| | | | m | KN |
| 263_190 | Frame | 1 | 1.18328 | 0.000 |
| 263_224 | Frame | 1 | 1.18320 | 0.000 |
| 284_235 | Frame | 1 | 0.89215 | 57.878 |

## Table: Material Properties 01 - General, Part 1 of 2

**Table: Material Properties 01 - General, Part 1 of 2**

| Material | Type | SymType | TempDepend | Color | GUID |
|---|---|---|---|---|---|
| 4000Psi | Concrete | Isotropic | No | White | |
| A615Gr60 | Rebar | Uniaxial | No | White | |
| A992Fy50 | Steel | Isotropic | No | Yellow | |
| CONC Rck 30 MPa | Concrete | Isotropic | No | Blue | |

## Table: Material Properties 01 - General, Part 2 of 2

**Table: Material Properties 01 - General, Part 2 of 2**

| Material | Notes |
|---|---|
| 4000Psi | Normalweight f'c = 4 ksi added 27/10/2008 10.39.32 |
| A615Gr60 | ASTM A615 Grade 60 added 27/10/2008 11.23.34 |
| A992Fy50 | ASTM A992 Fy=50 ksi added 27/10/2008 10.39.32 |
| CONC Rck 30 MPa | ASTM A36 added 27/10/2008 11.17.40 |

## Table: Material Properties 02 - Basic Mechanical Properties

**Table: Material Properties 02 - Basic Mechanical Properties**

| Material | UnitWeight | UnitMass | E1 | G12 | U12 | A1 |
|---|---|---|---|---|---|---|
| | KN/m3 | KN-s2/m4 | KN/m2 | KN/m2 | | 1/C |
| 4000Psi | 2.3563E+01 | 2.4028E+00 | 24855578.28 | 10356490.95 | 0.200000 | 9.9000E-06 |
| A615Gr60 | 7.6973E+01 | 7.8490E+00 | 199947978.8 | | | 1.1700E-05 |
| A992Fy50 | 7.6973E+01 | 7.8490E+00 | 199947978.8 | 76903068.77 | 0.300000 | 1.1700E-05 |
| CONC Rck 30 MPa | 2.5000E+01 | 2.5493E+00 | 31447000.00 | 13102916.67 | 0.200000 | 5.5000E-06 |

## Table: Material Properties 03a - Steel Data, Part 1 of 2

**Table: Material Properties 03a - Steel Data, Part 1 of 2**

| Material | Fy | Fu | EffFy | EffFu | SSCurveOpt | SSHysType | SHard | SMax |
|---|---|---|---|---|---|---|---|---|
| | KN/m2 | KN/m2 | KN/m2 | KN/m2 | | | | |
| A992Fy50 | 344737.89 | 448159.26 | 379211.68 | 492975.19 | Simple | Kinematic | 0.015000 | 0.110000 |

## Table: Material Properties 03a - Steel Data, Part 2 of 2

**Table: Material Properties 03a - Steel Data, Part 2 of 2**

| Material | SRup | FinalSlope |
|---|---|---|
| A992Fy50 | 0.170000 | -0.100000 |

## Table: Material Properties 03b - Concrete Data, Part 1 of 2

**Table: Material Properties 03b - Concrete Data, Part 1 of 2**

| Material | Fc | LtWtConc | SSCurveOpt | SSHysType | SFc | SCap | FinalSlope | FAngle |
|---|---|---|---|---|---|---|---|---|
| | KN/m2 | | | | | | | Degrees |
| 4000Psi | 27579.03 | No | Mander | Takeda | 0.002000 | 0.005000 | -0.100000 | 0.000 |
| CONC Rck 30 MPa | 24900.00 | No | Mander | Takeda | 0.002000 | 0.005000 | -0.100000 | 0.000 |

## Table: Material Properties 03b - Concrete Data, Part 2 of 2

**Table: Material Properties 03b - Concrete Data, Part 2 of 2**

| Material | DAngle |
|---|---|
| | Degrees |
| 4000Psi | 0.000 |
| CONC Rck 30 MPa | 0.000 |

## Table: Material Properties 03e - Rebar Data, Part 1 of 2

**Table: Material Properties 03e - Rebar Data, Part 1 of 2**

| Material | Fy | Fu | EffFy | EffFu | SSCurveOpt | SSHysType | SHard | SCap |
|---|---|---|---|---|---|---|---|---|
| | KN/m2 | KN/m2 | KN/m2 | KN/m2 | | | | |
| A615Gr60 | 413685.47 | 620528.21 | 455054.02 | 682581.03 | Simple | Kinematic | 0.010000 | 0.090000 |

## Table: Material Properties 03e - Rebar Data, Part 2 of 2

**Table: Material Properties 03e - Rebar Data, Part 2 of 2**

| Material | FinalSlope | UseCTDef |
|---|---|---|
| A615Gr60 | -0.100000 | No |

## Table: Material Properties 06 - Damping Parameters

**Table: Material Properties 06 - Damping Parameters**

| Material | ModalRatio | VisMass | VisStiff | HysMass | HysStiff |
|---|---|---|---|---|---|
| | | 1/Sec | Sec | 1/Sec2 | |
| 4000Psi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000000 |
| A615Gr60 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000000 |
| A992Fy50 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000000 |
| CONC Rck 30 MPa | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.000000 |

## Table: Objects And Elements - Frames

**Table: Objects And Elements - Frames**

| FrameElem | FrameObject | ElemJtI | ElemJtJ |
|---|---|---|---|
| 1-1 | 1 | 1 | 2 |
| 2-1 | 2 | 2 | 3 |
| 3-1 | 3 | 3 | 4 |
| 4-1 | 4 | 4 | 5 |
| 5-1 | 5 | 5 | 6 |
| 6-1 | 6 | 6 | 7 |
| 7-1 | 7 | 7 | 8 |

**Table: Objects And Elements - Frames**

| FrameElem | FrameObject | ElemJtI | ElemJtJ |
|---|---|---|---|
| 8-1 | 8 | 8 | 9 |
| 9-1 | 9 | 9 | 10 |
| 10-1 | 10 | 10 | 11 |
| 11-1 | 11 | 11 | 12 |
| 12-1 | 12 | 12 | 13 |
| 13-1 | 13 | 13 | 14 |
| 14-1 | 14 | 14 | 15 |
| 15-1 | 15 | 15 | 16 |
| 16-1 | 16 | 16 | 17 |
| 17-1 | 17 | 17 | 18 |
| 18-1 | 18 | 18 | 19 |
| 19-1 | 19 | 19 | 20 |
| 20-1 | 20 | 20 | 21 |
| 21-1 | 21 | 21 | 22 |
| 22-1 | 22 | 22 | 23 |
| 23-1 | 23 | 23 | 24 |
| 24-1 | 24 | 24 | 25 |
| 25-1 | 25 | 25 | 26 |
| 26-1 | 26 | 26 | 27 |
| 27-1 | 27 | 27 | 28 |
| 28-1 | 28 | 28 | 29 |
| 29-1 | 29 | 29 | 30 |
| 30-1 | 30 | 30 | 31 |
| 31-1 | 31 | 31 | 32 |
| 32-1 | 32 | 32 | 33 |
| 33-1 | 33 | 33 | 34 |
| 34-1 | 34 | 34 | 35 |
| 35-1 | 35 | 35 | 36 |
| 36-1 | 36 | 36 | 37 |
| 37-1 | 37 | 37 | 38 |
| 38-1 | 38 | 38 | 39 |
| 39-1 | 39 | 39 | 40 |
| 40-1 | 40 | 40 | 41 |
| 41-1 | 41 | 41 | 42 |
| 42-1 | 42 | 42 | 43 |
| 43-1 | 43 | 43 | 44 |
| 44-1 | 44 | 44 | 1 |
| 45-1 | 45 | 2 | 43 |
| 46-1 | 46 | 28 | 31 |

## Table: Objects And Elements - Joints

**Table: Objects And Elements - Joints**

| JointElem | JointObject | GlobalX | GlobalY | GlobalZ |
|---|---|---|---|---|
| | | m | m | m |
| 1 | 1 | 42.82204 | 0.00000 | 18.31745 |
| 2 | 2 | 42.82204 | 0.00000 | 19.20960 |
| 3 | 3 | 42.82204 | 0.00000 | 20.10457 |
| 4 | 4 | 42.82204 | 0.00000 | 20.99955 |
| 5 | 5 | 42.82204 | 0.00000 | 21.89452 |
| 6 | 6 | 42.92096 | 0.00000 | 23.07358 |
| 7 | 7 | 43.21499 | 0.00000 | 24.21967 |
| 8 | 8 | 43.69591 | 0.00000 | 25.30073 |
| 9 | 9 | 44.34931 | 0.00000 | 26.28725 |
| 10 | 10 | 45.14692 | 0.00000 | 27.16155 |
| 11 | 11 | 46.06707 | 0.00000 | 27.90580 |
| 12 | 12 | 47.08878 | 0.00000 | 28.50303 |
| 13 | 13 | 48.18876 | 0.00000 | 28.93962 |

**Table: Objects And Elements - Joints**

| JointElem | JointObject | GlobalX | GlobalY | GlobalZ |
|---|---|---|---|---|
| | | m | m | m |
| 14 | 14 | 49.34194 | 0.00000 | 29.20562 |
| 15 | 15 | 50.52202 | 0.00000 | 29.29497 |
| 16 | 16 | 51.70211 | 0.00000 | 29.20562 |
| 17 | 17 | 52.85529 | 0.00000 | 28.93963 |
| 18 | 18 | 53.95527 | 0.00000 | 28.50304 |
| 19 | 19 | 54.97699 | 0.00000 | 27.90581 |
| 20 | 20 | 55.89714 | 0.00000 | 27.16157 |
| 21 | 21 | 56.69475 | 0.00000 | 26.28727 |
| 22 | 22 | 57.34815 | 0.00000 | 25.30076 |
| 23 | 23 | 57.82907 | 0.00000 | 24.21970 |
| 24 | 24 | 58.12311 | 0.00000 | 23.07361 |
| 25 | 25 | 58.22204 | 0.00000 | 21.89452 |
| 26 | 26 | 58.22202 | 0.00000 | 20.99955 |
| 27 | 27 | 58.22202 | 0.00000 | 20.10457 |
| 28 | 28 | 58.22204 | 0.00000 | 19.20964 |
| 29 | 29 | 58.22204 | 0.00000 | 18.31750 |
| 30 | 30 | 57.39652 | 0.00000 | 18.31750 |
| 31 | 31 | 56.57101 | 0.00000 | 18.31750 |
| 32 | 32 | 55.61118 | 0.00000 | 17.91765 |
| 33 | 33 | 54.62516 | 0.00000 | 17.58765 |
| 34 | 34 | 53.61802 | 0.00000 | 17.32920 |
| 35 | 35 | 52.59493 | 0.00000 | 17.14364 |
| 36 | 36 | 51.56117 | 0.00000 | 17.03192 |
| 37 | 37 | 50.52217 | 0.00000 | 16.99461 |
| 38 | 38 | 49.48295 | 0.00000 | 17.03191 |
| 39 | 39 | 48.44919 | 0.00000 | 17.14363 |
| 40 | 40 | 47.42611 | 0.00000 | 17.32918 |
| 41 | 41 | 46.41896 | 0.00000 | 17.58761 |
| 42 | 42 | 45.43293 | 0.00000 | 17.91761 |
| 43 | 43 | 44.47311 | 0.00000 | 18.31745 |
| 44 | 44 | 43.64757 | 0.00000 | 18.31745 |

## Table: Options - Colors - Display, Part 1 of 4

**Table: Options - Colors - Display, Part 1 of 4**

| DeviceType | Points | LinesFrame | LinesFrmExt | LinesCable | LinesTendon | SpringLinks | Restraints |
|---|---|---|---|---|---|---|---|
| Screen | Yellow | Yellow | Yellow | Green | Green | Green | Green |
| Printer | Gray8Dark | Black | Gray4 | Black | Black | Gray8Dark | Gray8Dark |
| Color Printer | Black | 7303023 | White | Green | Green | Green | 9408399 |

## Table: Options - Colors - Display, Part 2 of 4

**Table: Options - Colors - Display, Part 2 of 4**

| Releases | Axes | Text | ShadowLines | GuideLines | Highlight | Selection | AreaFillBot | AreaFillTop |
|---|---|---|---|---|---|---|---|---|
| Green | Cyan | Green | Gray8Dark | Gray8Dark | Red | White | Red | 16744703 |
| Gray4 | Black | Black | Gray4 | Gray4 | Black | Black | Gray4 | Gray8Dark |
| Green | Cyan | Black | Gray8Dark | 10461087 | Red | 10504778 | 16634568 | 14277119 |

## Table: Options - Colors - Display, Part 3 of 4

**Table: Options - Colors - Display, Part 3 of 4**

| AreaFillSd | AreaEdge | SolidF1 | SolidF2 | SolidF3 | SolidF4 | SolidF5 | SolidF6 | SolidEdge |
|---|---|---|---|---|---|---|---|---|
| Red | DarkRed | Red | Blue | Green | Yellow | White | Cyan | DarkRed |
| Gray4 | Black | Gray1Light | Gray2 | Gray3 | Gray4 | Gray5 | Gray6 | Black |
| 16634568 | 7303023 | 10122991 | 16756912 | 11599795 | 12713983 | White | 16777128 | 7303023 |

## Table: Options - Colors - Display, Part 4 of 4

**Table: Options - Colors - Display, Part 4 of 4**

| Floor | Background | BGLowLeft | BGLowRight | BGUpRight | Darkness |
|---|---|---|---|---|---|
| Gray4 | White | White | White | White | 0.500000 |
| Gray4 | White | White | White | White | 0.500000 |
| 13619151 | White | White | 14671839 | White | 0.500000 |

## Table: Options - Colors - Output, Part 1 of 4

**Table: Options - Colors - Output, Part 1 of 4**

| DeviceType | Contour1 | Contour2 | Contour3 | Contour4 | Contour5 | Contour6 | Contour7 |
|---|---|---|---|---|---|---|---|
| Screen | 13107400 | 6553828 | Red | 16639 | Orange | 43775 | 54527 |
| Printer | Black | 3158064 | 4210752 | 5263440 | 6316128 | 7368816 | Gray8Dark |
| Color Printer | 13107400 | 6553828 | Red | 16639 | Orange | 43775 | 54527 |

## Table: Options - Colors - Output, Part 2 of 4

**Table: Options - Colors - Output, Part 2 of 4**

| Contour8 | Contour9 | Contour10 | Contour11 | Contour12 | Contour13 | Contour14 | Contour15 | Transpare |
|---|---|---|---|---|---|---|---|---|
| Yellow | 65408 | Green | 8453888 | Cyan | 16755200 | 16733440 | Blue | 0.500000 |
| Gray7 | Gray6 | Gray5 | Gray4 | Gray3 | Gray2 | Gray1Light | White | 0.000000 |
| Yellow | 65408 | Green | 8453888 | Cyan | 16755200 | 16733440 | Blue | 0.500000 |

## Table: Options - Colors - Output, Part 3 of 4

**Table: Options - Colors - Output, Part 3 of 4**

| Ratio1 | Ratio2 | Ratio3 | Ratio4 | Ratio5 | RatioNotD | RatioNotC | RatioVal1 | RatioVal2 |
|---|---|---|---|---|---|---|---|---|
| Cyan | Green | Yellow | Orange | Red | Gray4 | Red | 0.500000 | 0.700000 |
| Gray2 | Gray4 | Gray8Dark | 4210752 | Black | Gray4 | Black | 0.500000 | 0.700000 |
| Cyan | Green | Yellow | Orange | Red | Gray4 | Red | 0.500000 | 0.700000 |

## Table: Options - Colors - Output, Part 4 of 4

**Table: Options - Colors - Output, Part 4 of 4**

| RatioVal3 | RatioVal4 | DFillPos | DFillNeg | DFillRPos | DFillRNeg |
|---|---|---|---|---|---|
| 0.900000 | 1.000000 | Yellow | Red | Blue | Cyan |
| 0.900000 | 1.000000 | Gray8Dark | Gray8Dark | 4210752 | 4210752 |
| 0.900000 | 1.000000 | Red | Red | Blue | Blue |

## Table: Overwrites - Concrete Design - ACI 318-05/IBC2003, Part 1 of 2

**Table: Overwrites - Concrete Design - ACI 318-05/IBC2003, Part 1 of 2**

| Frame | DesignSect | FrameType | RLLF | XLMajor | XLMinor | XKMajor |
|---|---|---|---|---|---|---|
| 1 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 2 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 3 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 4 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 5 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 6 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 7 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 8 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 9 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 10 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 11 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 12 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 13 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 14 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 15 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 16 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 17 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 18 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 19 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 20 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 21 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 22 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 23 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 24 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 25 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 26 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 27 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 28 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | |
| 29 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 30 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 31 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 32 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 33 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 34 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 35 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 36 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 37 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 38 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 39 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 40 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 42 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 43 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 45 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 46 | Program Determined | Program Determined | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

## Table: Overwrites - Concrete Design - ACI 318-05/IBC2003, Part 2 of 2

**Table: Overwrites - Concrete Design - ACI 318-05/IBC2003, Part 2 of 2**

| Frame | XKMinor | CmMajor | CmMinor | DnsMajor | DnsMinor | DsMajor | DsMinor |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |

**Table: Overwrites - Concrete Design - ACI 318-05/IBC2003, Part 2 of 2**

| Frame | XKMinor | CmMajor | CmMinor | DnsMajor | DnsMinor | DsMajor | DsMinor |
|---|---|---|---|---|---|---|---|
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 13 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 14 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 15 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 16 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 17 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 30 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 31 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 32 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 33 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 34 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 35 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 36 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 37 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 38 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 39 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 40 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 41 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 42 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 43 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 44 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 45 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| 46 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

## Table: Preferences - Aluminum Design - AA-ASD 2000

**Table: Preferences - Aluminum Design - AA-ASD 2000**

| THDesign | FrameType | SRatioLimit | MaxIter | LatFact | UseLatFact | Bridge |
|---|---|---|---|---|---|---|
| Envelopes | Moment Frame | 1.000000 | 1 | 1.333333 | No | No |

## Table: Preferences - Cold Formed Design - AISI-ASD96, Part 1 of 2

**Table: Preferences - Cold Formed Design - AISI-ASD96, Part 1 of 2**

| THDesign | FrameType | SRatioLimit | MaxIter | OmegaBS | OmegaBUS | OmegaBLTB | OmegaVS | OmegaVNS |
|---|---|---|---|---|---|---|---|---|
| Envelopes | Braced Frame | 1.000000 | 1 | 1.670000 | 1.670000 | 1.670000 | 1.670000 | 1.500000 |

## Table: Preferences - Cold Formed Design - AISI-ASD96, Part 2 of 2

**Table: Preferences - Cold Formed Design - AISI-ASD96, Part 2 of 2**

| OmegaT | OmegaC |
|---|---|
| 1.670000 | 1.800000 |

## Table: Preferences - Concrete Design - ACI 318-05/IBC2003, Part 1 of 2

**Table: Preferences - Concrete Design - ACI 318-05/IBC2003, Part 1 of 2**

| THDesign | NumCurves | NumPoints | MinEccen | PatLLF | UFLimit | SeisCat | PhiT | PhiCTied |
|---|---|---|---|---|---|---|---|---|
| Envelopes | 24 | 11 | No | 0.750000 | 0.950000 | D | 0.900000 | 0.650000 |

## Table: Preferences - Concrete Design - ACI 318-05/IBC2003, Part 2 of 2

**Table: Preferences - Concrete Design - ACI 318-05/IBC2003, Part 2 of 2**

| PhiCSpiral | PhiV | PhiVSeismic | PhiVJoint |
|---|---|---|---|
| 0.700000 | 0.750000 | 0.600000 | 0.850000 |

## Table: Preferences - Dimensional, Part 1 of 2

**Table: Preferences - Dimensional, Part 1 of 2**

| MergeTol m | FineGrid m | Nudge m | SelectTol | SnapTol | SLineThick | PLineThick | MaxFont | MinFont |
|---|---|---|---|---|---|---|---|---|
| 0.001000 | 0.250000 | 0.250000 | 3 | 12 | 1 | 4 | 8 | 8 |

## Table: Preferences - Dimensional, Part 2 of 2

**Table: Preferences - Dimensional, Part 2 of 2**

| AutoZoom | ShrinkFact | TextFileLen |
|---|---|---|
| 10 | 70 | 240 |

## Table: Preferences - Steel Design - AISC-LRFD93, Part 1 of 2

**Table: Preferences - Steel Design - AISC-LRFD93, Part 1 of 2**

| THDesign | FrameType | PatLLF | SRatioLimit | MaxIter | PhiB | PhiC | PhiT | PhiV |
|---|---|---|---|---|---|---|---|---|
| Envelopes | Moment Frame | 0.750000 | 0.950000 | 1 | 0.900000 | 0.850000 | 0.900000 | 0.900000 |

## Table: Preferences - Steel Design - AISC-LRFD93, Part 2 of 2

**Table: Preferences - Steel Design - AISC-LRFD93, Part 2 of 2**

| PhiCA | CheckDefl | DLRat | SDLAndLLRat | LLRat | TotalRat | NetRat |
|---|---|---|---|---|---|---|
| 0.900000 | Yes | 120.000000 | 120.000000 | 360.000000 | 240.000000 | 240.000000 |

## Table: Program Control, Part 1 of 3

**Table: Program Control, Part 1 of 3**

| ProgramName | Version | ProgLevel | LicenseNum | LicenseOS | LicenseSC | LicenseBR | LicenseHT | CurrUnits |
|---|---|---|---|---|---|---|---|---|
| SAP2000 | 14.1.0 | Advanced | 0X2310B | No | No | No | No | KN, m, C |

## Table: Program Control, Part 2 of 3

**Table: Program Control, Part 2 of 3**

| SteelCode | ConcCode | AlumCode | ColdCode | BridgeCode |
|---|---|---|---|---|
| AISC-LRFD93 | ACI 318-05/IBC2003 | AA-ASD 2000 | AISI-ASD96 | AASHTO LRFD 2007 |

## Table: Program Control, Part 3 of 3

**Table: Program Control, Part 3 of 3**

| RegenHinge | BSchedGUID |
|---|---|
| Yes | |

## Table: Project Information

**Table: Project Information**

| Item | Data |
|---|---|
| Company Name | Computers and Structures, Inc. |
| Client Name | |
| Project Name | |
| Project Number | |
| Model Name | |
| Model Description | |
| Revision Number | |
| Frame Type | |
| Engineer | |
| Checker | |
| Supervisor | |
| Issue Code | |
| Design Code | |

## Table: Rebar Sizes

**Table: Rebar Sizes**

| RebarID | Area | Diameter |
|---|---|---|
| | m2 | m |
| #2 | 0.000032 | 0.006350 |
| #3 | 0.000071 | 0.009525 |
| #4 | 0.000129 | 0.012700 |
| #5 | 0.000200 | 0.015875 |
| #6 | 0.000284 | 0.019050 |
| #7 | 0.000387 | 0.022225 |
| #8 | 0.000510 | 0.025400 |
| #9 | 0.000645 | 0.028651 |
| #10 | 0.000819 | 0.032258 |
| #11 | 0.001006 | 0.035814 |
| #14 | 0.001452 | 0.043002 |
| #18 | 0.002581 | 0.057328 |

**Table: Rebar Sizes**

| RebarID | Area | Diameter |
|---|---|---|
| | m2 | m |
| 10M | 0.000100 | 0.011300 |
| 15M | 0.000200 | 0.016000 |
| 20M | 0.000300 | 0.019500 |
| 25M | 0.000500 | 0.025200 |
| 30M | 0.000700 | 0.029900 |
| 35M | 0.001000 | 0.035700 |
| 45M | 0.001500 | 0.043700 |
| 55M | 0.002500 | 0.056400 |
| 6d | 0.000028 | 0.006000 |
| 8d | 0.000050 | 0.008000 |
| 10d | 0.000079 | 0.010000 |
| 12d | 0.000113 | 0.012000 |
| 14d | 0.000154 | 0.014000 |
| 16d | 0.000201 | 0.016000 |
| 20d | 0.000314 | 0.020000 |
| 25d | 0.000491 | 0.025000 |
| 26d | 0.000531 | 0.026000 |
| 28d | 0.000616 | 0.028000 |

## Table: Solid Property Definitions, Part 1 of 2

**Table: Solid Property Definitions, Part 1 of 2**

| SolidProp | Material | MatAngleA | MatAngleB | MatAngleC | InComp | Color |
|---|---|---|---|---|---|---|
| | | Degrees | Degrees | Degrees | | |
| SOLID1 | 4000Psi | 0.000 | 0.000 | 0.000 | Yes | Magenta |

## Table: Solid Property Definitions, Part 2 of 2

**Table: Solid Property Definitions, Part 2 of 2**

| SolidProp | GUID | Notes | TotalWt | TotalMass |
|---|---|---|---|---|
| | | | KN | KN-s2/m |
| SOLID1 | | Added 27/10/2008 10.40.04 | 0.000 | 0.00 |