Direzione Tecnica

S.S. 67 "Tosco Romagnola"
Lavori di adeguamento della S.S. 67 nel tratto tra la località S.Francesco in Comune di Pelago e l'abitato di Dicomano.
Variante di Rufina (FI) – LOTTI 2A e 2B

PROGETTO DEFINITIVO

COD. FI462

PROGETTAZIONE:
RAGGRUPPAMENTO
TEMPORANEO PROGETTISTI

MANDATARIA: PRO ITER Progetto Infrastrutture Territorio s.r.l.

MANDANTI: erreVia S.R.L. RICERCA VIABILITÀ AMBIENTE; sinergo; DVA DVisionArchitecture

IL RESPONSABILE DELL'INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE:
Ing. Riccardo Formichi – Società Pro Iter Srl
Ordine Ingegneri Provincia di Milano n. 18045

IL GEOLOGO:
Geol. Massimo Mezzanzanica – Società Pro Iter SrL
Ordine Geologi della Lombardia n. 762

IL COORDINATORE PER LA SICUREZZA IN FASE DI PROGETTAZIONE:
Ing. Massimo Mangini – Società Erre.Vi.A Srl
Ordine Ingegneri Provincia di Varese n. 1502

VISTO: IL RESP. DEL PROCEDIMENTO:
Ing. Francesco Pisani

PROTOCOLLO: DATA:

ORDINE DEGLI INGEGNERI DELLA PROVINCIA DI MILANO
DOTT.ING. FORMICHI RICCARDO
Sez.A Settori:
a) civile e ambientale
b) industriale
c) dell'informazione
n° A 18045

14 - GALLERIE

14.01 - Galleria Montebello

Imbocco Sud - Scavi in Sotterraneo

Relazione di calcolo gellaria artificiale

CODICE PROGETTO	NOME FILE	REVISIONE	SCALA
PROGETTO: ACNO0113 LIV. PROG.: D 20	P01-GA01-OST-RE03-A.pdf		
	CODICE ELAB.: P01GA01OSTRE03	A	R

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
D					
C					
B					
A	EMISSIONE	02/2024	CICERI	RIVOLTINI	FORMICHI

INDICE

1 PREMESSE

La presente relazione affronta le problematiche progettuali connesse alle opere per la sistemazione definitiva dell'imbocco Sud della Galleria Montebonello, facente parte del progetto definitivo di adeguamento della SS 67 "Tosco Romagnola" nel tratto tra la località S. Francesco in Comune di Pelago e l'abitato di Dicomano – Variante di Rufina (FI)- Lotti 2A e 2B.

Nel suo complesso la galleria Monte Montebonello si sviluppa a partire dalla pk 2+019.50 alla pk 2+986.80; la parte artificiale è limitata tra le progressive 2+019.50 e 2+066.00 (imbocco Sud) e tra 2+982.00 e 2+986.80 (imbocco Nord), essendo il rimanente tratto in naturale.

L'imbocco Sud è costituito da un tratto in artificiale, di lunghezza 46 m; il primo tratto, di lunghezza 10.95 m, prevede una struttura a becco di flauto seguito da 4.55 m di galleria a portale (sezione circolare), da 27 m di galleria artificiale (sezione a piedritti verticali) e da 4 m di concio d'attacco in corrispondenza della dima d'imbocco (pk km 2+066) per lo scavo della galleria in naturale. La dima e la galleria artificiale verranno completamente ritombate in fase definitiva con materiale proveniente dagli scavi. Una canaletta posta ai limiti del ritombamento garantirà l'allontanamento delle acque meteoriche provenienti dal pendio a monte.
La planimetria dell'area di interesse e il profilo in asse galleria in fase definitiva sono riportati rispettivamente in Figura 1 e Figura 2.

Nel tratto antecedente l'ingresso alla galleria, sulla parte sinistra, e' presente un muro di sostegno che copre la berlinese provvisoria per una lunghezza di 22.20m circa. Il paramento verticale è ha uno spessore varabile da 0.8 a 1.5m circa e un'altezza variabile da 2.50m a 7.20m. Una rappresentazione 3D del muro è riportata in Figura 3.

Sulla parte destra dell'imbocco è presente un piazzale con un manufatto per l'uscita dal cunicolo di emergenza presente in galleria e delle cabine per gli impianti. Il dimensionamento di tali edifici è riportato in una specifica relazione di calcolo [9].

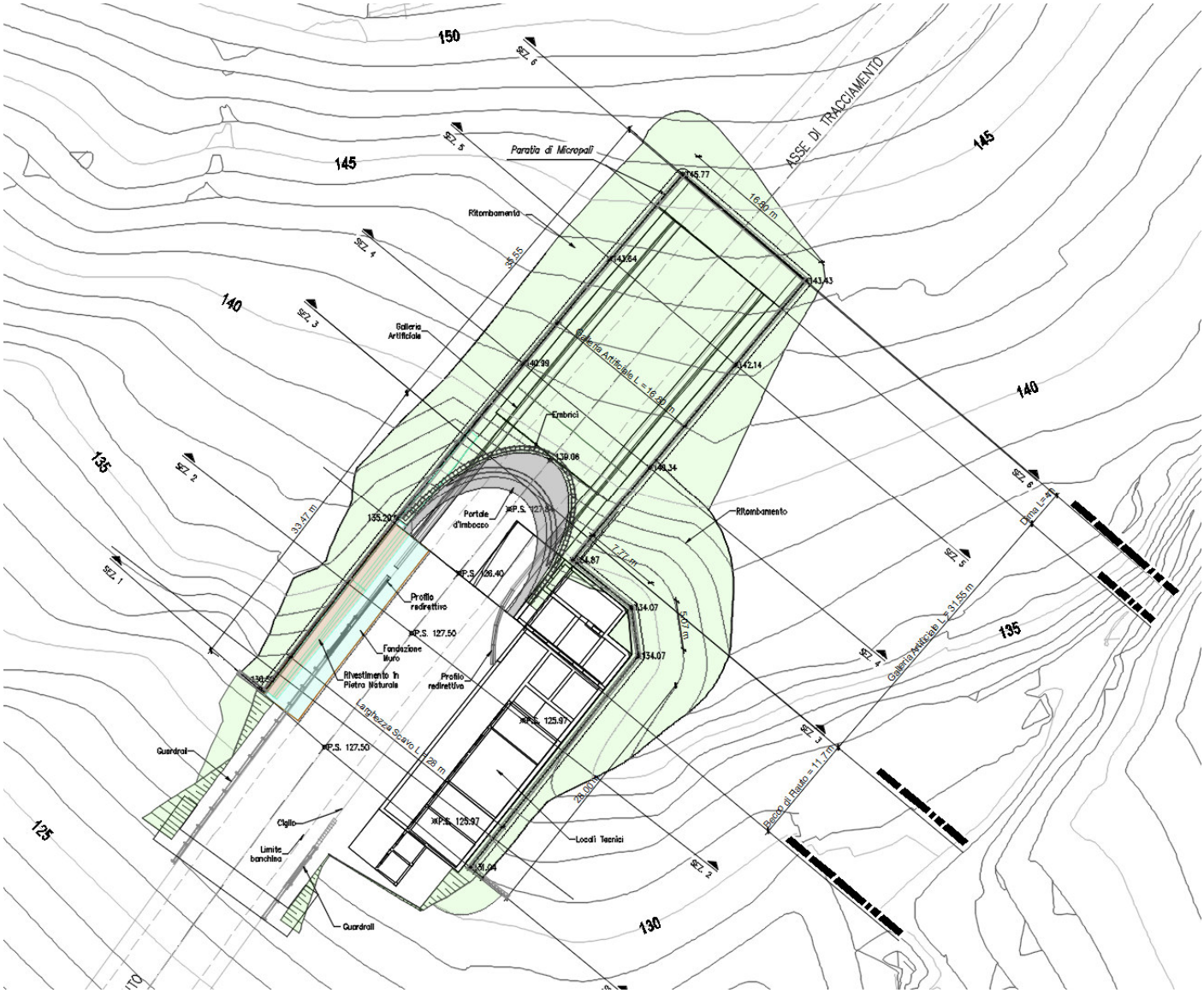


Figura 1 Planimetria tratta artificiale – Galleria Montebonello - Imbocco Sud

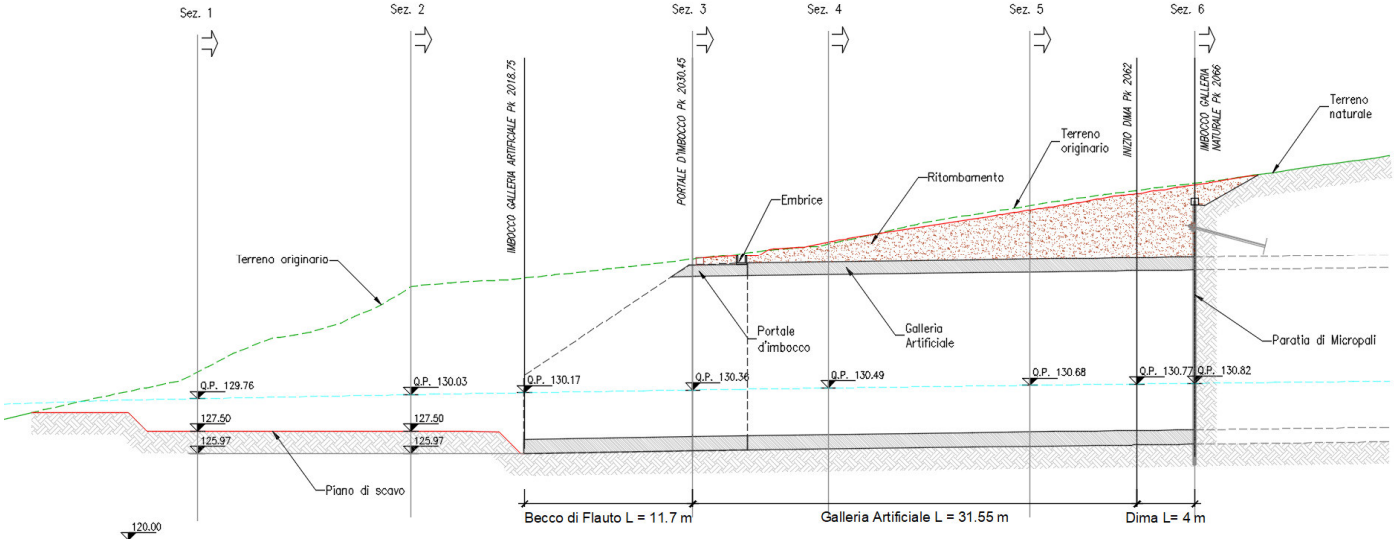


Figura 2 Profilo tratta artificiale – Galleria Montebonello - Imbocco Sud

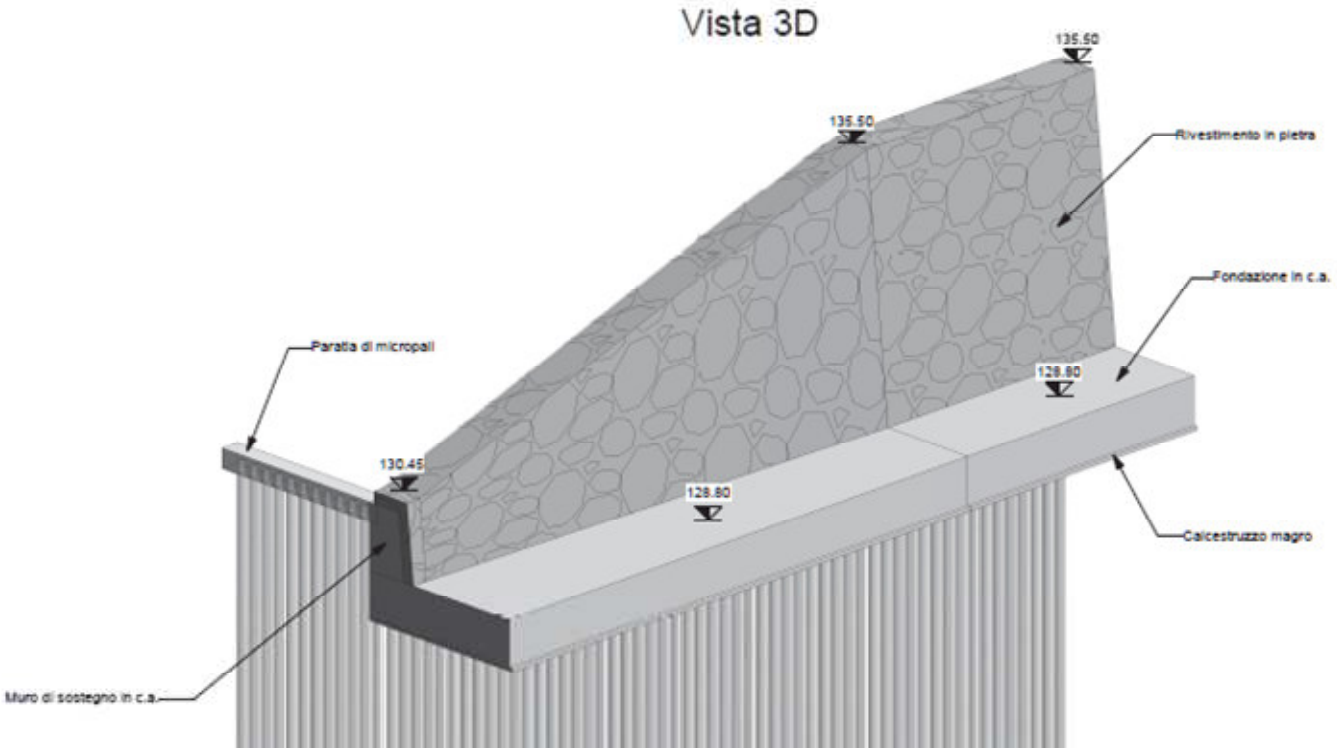


Figura 3: Muro di sostegno – Galleria Montebonello - Imbocco Nord

2 DOCUMENTAZIONE E NORMATIVA DI RIFERIMENTO

2.1 Leggi, decreti, circolari ministeriali

2.1.1 Legislazione di carattere generale

- **Ministero dei LL.PP. - D.M. 17.01.2018**: "Norme tecniche per le Costruzioni".
- **Ministero dei LL.PP. - Circ. 7 del 21.01.2019**: Istruzioni per l'applicazione delle “Norme tecniche per le costruzioni” di cui al decreto ministeriale 17 gennaio 2018;

2.1.2 Norme UNI

- **UNI EN 206-2016:** “Calcestruzzo - Specificazioni, prestazioni, produzione e conformità”.
- **UNI 11104/2016:** “Calcestruzzo - Specificazione, prestazione, produzione e conformità – Istruzioni complementari per l’applicazione della EN 206-1”.

2.2 Bibliografia

Migliacci – F. Mola: **Progetto agli stati limite delle strutture in c.a.** – Masson Italia Editori 1985
C. Cestelli Guidi: **Geotecnica e tecnica delle fondazioni** – Ulrico Hoepli Editore 1987
R. Lancellotta: **Geotecnica** – Edizioni Zanichelli 1987
Bowles J.E.: **Foundation Analysis and Design 4th edition** – McGraw-Hill – New York, 1988

2.3 Documenti di progetto

[1] T00GE02GETRE01 - Relazione geotecnica generale
[2] T00GE01GEORE02 - Relazione geomeccanica
[3] T00GE03GETRE01 - Relazione sismica
[4] P01GA01OSTPL01 – Imbocco Sud - Sistemazione definitiva - Planimetria
[5] P01GA01OSTDT02 – Imbocco Sud – Sistemazione definitiva - Profilo e sezioni
[6] P01GA01OSTDI03 – Imbocco Sud – Galleria Artificiale – Carpenteria
[7] P01GA01OSTDI04 – Imbocco Sud – Portale d’imbocco - Carpenteria
[8] P01GA01OSTDI05 – Imbocco Sud – Muro di sostegno – Planimetria, prospetti e sezioni
[9] P01GA01OSTRE04 – Imbocco Sud – Fabbricato impianti – Relazione di calcolo

3 PROGRAMMI PER L'ANALISI AUTOMATICA

SAP2000 Advanced rel. 21
Structural Analysis program – Computers and Structures, Inc. – Berkeley CA, USA
Programma di calcolo ad elementi finiti monodimensionali, bidimensionali e tridimensionali.

4 MATERIALI

4.1 Calcestruzzo per rivestimenti definitivi in calotta

Classe di resistenza	C28/35	-
Rapporto massimo acqua / cemento	0.60	-
Slump	S4	-
Contenuto minimo di cemento	300	kg/m^3
Diametro massimo inerte	32	mm
Classe di esposizione	XC2	-
Copriferro minimo	5.0	cm

Resistenza caratteristica a compressione cubica	R_{ck}	=		35.00	N/mm^2
Resistenza caratteristica a compressione cilindrica	f_{ck}	=		29.05	N/mm^2
Resistenza media a compressione cilindrica	f_{cm}	=	$f_{ck}+8$	= 37.05	N/mm^2
Modulo elastico	E_c	=	$22000\times(f_{cm}/10)^{0.3}$	= 32588.1	N/mm^2
Resistenza a trazione semplice	f_{ctm}	=	$0.30\times f_{ck}^{2/3}$	= 2.83	N/mm^2
Resistenza a trazione caratteristica (frattile 5%)	f_{ctk}	=	$0.70\times f_{ctm}$	= 1.98	N/mm^2

Stato Limite Ultimo

Coefficiente parziale di sicurezza	γ_C	=		1.50	-
Coefficiente riduttivo per resistenze di lunga durata	α_{cc}	=		0.85	-
Resistenza a compressione di calcolo	f_{cd}	=	$\alpha_{cc}\times f_{ck}/\gamma_C$	= 16.46	N/mm^2
Resistenza a trazione di calcolo	f_{ctd}	=	f_{ctk}/γ_C	= 1.32	N/mm^2

Stato Limite di Esercizio

Tensione max di compressione - Comb. rara	σ_c	<	$0.60\times f_{ck}$	= 17.4	N/mm^2
Tensione max di compressione - Comb. quasi permanente	σ_c	<	$0.45\times f_{ck}$	= 13.1	N/mm^2

4.2 Calcestruzzo per rivestimenti definitivi in arco rovescio

Classe di resistenza	C28/35	-
Rapporto massimo acqua / cemento	0.60	-
Slump	S4	-
Contenuto minimo di cemento	300	kg/m^3
Diametro massimo inerte	32	mm
Classe di esposizione	XC2	-
Copriferro minimo	5.0	cm

Resistenza caratteristica a compressione cubica	R_{ck}	=		35.00	N/mm^2
Resistenza caratteristica a compressione cilindrica	f_{ck}	=		29.05	N/mm^2
Resistenza media a compressione cilindrica	f_{cm}	=	$f_{ck}+8$	= 37.05	N/mm^2
Modulo elastico	E_c	=	$22000\times(f_{cm}/10)^{0.3}$	= 32588.1	N/mm^2

Resistenza a trazione semplice	f_{ctm}	=	$0.30 \times f_{ck}^{2/3}$	= 2.83	N/mm²
Resistenza a trazione caratteristica (frattile 5%)	f_{ctk}	=	$0.70 \times f_{ctm}$	= 1.98	N/mm²
Stato Limite Ultimo					
Coefficiente parziale di sicurezza	γ_C	=		1.50	-
Coefficiente riduttivo per resistenze di lunga durata	α_{cc}	=		0.85	-
Resistenza a compressione di calcolo	f_{cd}	=	$\alpha_{cc} \times f_{ck}/\gamma_C$	= 16.46	N/mm²
Resistenza a trazione di calcolo	f_{ctd}	=	f_{ctk}/γ_C	= 1.32	N/mm²
Stato Limite di Esercizio					
Tensione max di compressione - Comb. rara	σ_c	<	$0.60 \times f_{ck}$	= 17.4	N/mm²
Tensione max di compressione - Comb. quasi permanente	σ_c	<	$0.45 \times f_{ck}$	= 13.1	N/mm²

4.3 Acciaio per calcestruzzo armato

Si utilizza acciaio per cemento armato tipo **B450C**, con le seguenti caratteristiche:

Tensione caratteristica di rottura (frattile 5%)	f_{tk}	=			540.00	N/mm²
Tensione caratteristica di snervamento (frattile 5%)	f_{yk}	=			450.00	N/mm²
Stato Limite Ultimo						
Coefficiente parziale di sicurezza	γ_S	=			1.15	--
Resistenza a trazione di calcolo	f_{yd}	=	f_{yk}/γ_S	=	391.30	N/mm²
Stato Limite di Esercizio						
Tensione massima di trazione	σ_s	<	$0.80 \times f_{yk}$	=	360.00	N/mm²

5 CARATTERIZZAZIONE GEOTECNICA

La trattazione completa della configurazione geologica e geotecnica in prossimità delle opere in oggetto è riportata in [1] e [2].

L'imbocco Sud della galleria Montebonello è caratterizzato da uno strato superficiale di coltre (b2) con uno spessore di circa 5m, uno strato di roccia alterata (PLO-a) di spessore circa 3.5m e infine un substrato roccioso (PLO - Siltiti di Poggiolo Salaisiole - PLO).
Gli scavi di approccio alla parete di attacco della galleria naturale sono realizzati mediante una berlinese contro cui vengono gettati i piedritti della galleria artificiale.
Il limite del contatto con il substrato roccioso avviene circa in corrispondenza di metà dei piedritti garantendo quindi che l'arco rovescio poggi interamente sul materiale più rigido (PLO). La parte superiore dei piedritti e' invece interessata dal materiale roccioso alterato PLO-a. La coltre si trova nella porzione più superficiale che non interessa la galleria. In fase definitiva la berlinese e la galleria artificiale vengono interamente ricoperte da un materiale di riempimento derivante dagli scavi.
La Figura 6 nel Par. 7.2 mostra una sezione della galleria artificiale con due linee verde scuro che indicano il limite tra la coltre, la roccia alterata e la roccia intatta.

Nei piezometri installati all'imbocco sud è stata rilevata la presenza d'acqua ad una quota massima di -11.05 (SN12-PZ) e -8.68m (SN13-PZ), ovvero all'interno della formazione delle siltiti non alterate PLO.
L'ammasso roccioso PLO è caratterizzato tanto da una bassa permeabilità primaria quanto da una bassa permeabilità secondaria legata alla fratturazione tale da impedire la formazione di una pressione idrostatica. L'eventuale acqua presente nelle fessure a tergo della berlinese viene captata dai drenaggi della berlinese e allontanata dal sistema di drenaggio della galleria artificiale. Per tale ragione non è stata considerata la spinta dell'acqua nel dimensionamento della galleria artificiale.

In Tabella 1 si riportano i parametri geotecnici caratteristici delle varie unità geologiche assunti nei calcoli.

Materiale	γ_n [kN/m^3]	**c'** [kPa]	ϕ' [°]	E_{vc} [MPa]	ν [-]
PLO	25	213	57	1301	0.2
PLO-a	25	84	52	436	0.2
Riempimento	18	0	30	40	0.3

Tabella 1: caratterizzazione geotecnica

Dove:

γ_n	peso di volume naturale
c'	coesione
ϕ'	angolo di attrito
E_{vc}	modulo elastico carico
E_{ur}	modulo elastico ricarico
ν	modulo di Poisson

6 CRITERI DI VERIFICA

6.1 Verifica per sollecitazioni di presso/tenso-flessione

Come previsto dal DM 17.01.2018 al § 4.1.2.3.4 con riferimento alla generica sezione la verifica di resistenza allo SLU si esegue controllando che:

$$M_{Rd} = M_{Rd}(N_{Ed}) \geq M_{Ed}$$

dove:

- M_{Rd} è il valore di calcolo del momento resistente corrispondente a N_{Ed};
- N_{Ed} è il valore di calcolo della componente assiale (sforzo normale) dell'azione;
- M_{Ed} è il valore di calcolo della componente flettente dell'azione.

6.2 Verifica a taglio SLU

Si esegue dapprima la verifica degli *elementi senza armature resistenti a taglio* secondo quanto previsto nel DM 17.01.2018 al punto 4.1.2.3.5.1.

Indicato con V_{Ed} il valore di calcolo dello sforzo di taglio agente allo SLU, si verifica controllando che risulti:

$$V_{Ed} < V_{Rd} = \max\left\{\left(0.18 \cdot k \cdot \frac{\sqrt[3]{100 \cdot \rho_\ell \cdot f_{ck}}}{\gamma_c} + 0.15 \cdot \sigma_{cp}\right) \cdot b_w \cdot d; \left(v_{min} + 0.15 \cdot \sigma_{cp}\right) \cdot b_w \cdot d\right\}$$

dove:

$$k = 1 + \sqrt{\frac{200}{d}} \leq 2$$ con *d* altezza utile della sezione espressa in mm

$$v_{min} = 0.035 \cdot \sqrt{k^3} \cdot \sqrt{f_{ck}}$$

$$\rho_\ell = \frac{A_{s\ell}}{b_w \cdot d} \leq 0.02$$ con b_w larghezza minima della sezione espressa in mm

$$\sigma_{cp} = \frac{N_{Ed}}{A_c} \leq 0.2 \cdot f_{cd}$$ tensione media di compressione nella sezione

Qualora la verifica non andasse a buon fine è necessario ricorrere ad *elementi provvisti di armature resistenti a taglio* secondo quanto previsto al punto 4.1.2.3.5.1 del già citato D.M. 17.01.2018.

Con riferimento all'armatura trasversale, la resistenza di calcolo a "*taglio-trazione*" si calcola con:

$$V_{Rsd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot (\text{ctg}\,\alpha + \text{ctg}\,\vartheta) \cdot \sin\alpha$$

Con riferimento al calcestruzzo d'anima, la resistenza di calcolo a "*taglio-compressione*" si calcola con:

$$V_{Rcd} = 0.9 \cdot d \cdot b_w \cdot \alpha_c \cdot f'_{cd} \cdot \frac{\text{ctg}\alpha + \text{ctg}\vartheta}{1 + \text{ctg}^2\vartheta}$$

La resistenza a taglio dell'elemento strutturale è la minore delle due sopra definite:

$$V_{Rd} = \min(V_{Rsd}; V_{Rcd})$$

Nelle precedenti espressioni, i nuovi parametri, introdotti rispetto al caso di elementi sprovvisti di armatura a taglio, assumono il seguente significato:

- ϑ inclinazione dei puntoni di calcestruzzo rispetto all'asse dell'elemento con la limitazione $1.0 \leq \text{ctg}\,\vartheta \leq 2.5$;
- α inclinazione dell'armatura trasversale rispetto all'asse dell'elemento;
- A_{sw} area dell'armatura trasversale;
- s interasse tra due armature trasversali consecutive;
- $f'_{cd} = 0.5 \cdot f_{cd}$ resistenza a compressione ridotta del calcestruzzo d'anima;
- α_c coefficiente maggiorativi pari a:

1	per membrature non compresse
$1 + \sigma_{cp}/f_{cd}$	per $0 \leq \sigma_{cp} < 0.25 \times f_{cd}$
1.25	per $0.25\, f_{cd} \leq \sigma_{cp} \leq 0.5 \times f_{cd}$
$2.5 \times (1-\sigma_{cp}/f_{cd})$	per $0.5 \times f_{cd} < \sigma_{cp} < f_{cd}$

In presenza di significativo sforzo assiale, come ad esempio nel caso della precompressione, è necessario considerare un'ulteriore limitazione relativa all'inclinazione dei puntoni di calcestruzzo:

$$\text{cotg}\vartheta_I \leq \text{cotg}\vartheta$$

in cui:

- ϑ_I angolo di inclinazione della prima fessurazione ricavato come cotg ϑ_I/σ_I
- τ tensione tangenziale sulla corda baricentrica della sezione interamente reagente
- σ_I tensione principale di trazione sulla corda baricentrica della sezione interamente reagente

6.3 Verifiche di limitazione delle tensioni di esercizio

Le Verifiche di limitazione delle tensioni in condizioni di esercizio (SLE) sono svolte con riferimento ai valori caratteristici delle azioni e dei parametri di resistenza dei materiali e consistono nel controllare che i valori di tensione nei materiali strutturali siano inferiori ai limiti di normativa (punto 4.1.2.2.5 del D.M. 17/01/2018).

- Calcestruzzo compresso:
  - Combinazione caratteristica o rara $\sigma_c < 0.60 \cdot f_{ck} = 17.4$Mpa
  - Combinazione quasi permanente $\sigma_c < 0.45 \cdot f_{ck} = 13.1$Mpa
- Acciaio teso:
  - Combinazione caratteristica o rara $\sigma_s < 0.80 \cdot f_{yk} = 360$Mpa

6.4 Verifiche a fessurazione

Per poter procedere alle verifiche a fessurazione è necessario effettuare una valutazione relativa al grado di protezione delle armature metalliche contro la corrosione (in termini di condizioni ambientali e sensibilità delle armature stesse alla corrosione).

La Tabella 2 riassume le condizioni ambientali previste dalle NTC 2018 in funzione delle classi di esposizione.

Condizioni ambientali	Classe di esposizione
Ordinarie	X0, XC1, XC2, XC3, XF1
Aggressive	XC4, XD1, XS1, XA1, XA2, XF2, XF3
Molto Aggressive	XD2, XD3, XS2, XS3, XA3, XF4,

Tabella 2: Descrizione delle condizioni ambientali (da Tabella 4.1.III NTC 18).

Le armature possono essere distinte in:

- armature sensibili;
- armature poco sensibili.

I valori limite di apertura delle fessure ottenuti in base alle condizioni ambientali, alla sensibilità delle armature e alla combinazione di azioni sono riportati in Tabella 3.

Gruppi di esigenze	Condizioni ambientali	Combinazioni di azioni S.L.E.	Armature	w_d	Armature	
A	Ordinarie	frequente	Poco sensibili	$\leq w_3 = 0.4$mm	Sensibili	$\leq w_2 = 0.3$mm
		quasi permanente		$\leq w_2 = 0.3$mm		$\leq w_1 = 0.2$mm
B	Aggressive	frequente	Poco sensibili	$\leq w_2 = 0.3$mm	Sensibili	$\leq w_1 = 0.2$mm
		quasi permanente		$\leq w_1 = 0.2$mm		-
C	Molto aggressive	frequente	Poco sensibili	$\leq w_1 = 0.2$mm	Sensibili	-
		quasi permanente		$\leq w_1 = 0.2$mm		-

Tabella 3: Criteri di scelta dello stato limite di fessurazione (da Tabella 4.1.IV NTC 18).

Nel caso in oggetto, dal momento che sono previste armature poco sensibili e sia la calotta che l'arco rovescio si trovano in condizioni ambientali ordinarie (XC2), è necessario limitare l'ampiezza delle fessure a 0.4mm per la combinazione frequente e 0.3mm per la combinazione di carico quasi permanente.

Per eseguire le verifiche a fessurazione si segue l'approccio *senza calcolo diretto* descritto al paragrafo C4.1.2.2.4 della Circolare del 11.02.2019 secondo cui è possibile limitare l'ampiezza delle fessure limitando il valore della tensione nell'acciaio teso nella combinazione di carico SLE considerata.

Si riportano nelle seguenti figure le tabelle presenti al paragrafo sopra citato utilizzate per svolgere la verifica a fessurazione.

Tabella C4.1.II *Diametri massimi delle barre per il controllo di fessurazione*

Tensione nell'acciaio σ_s [MPa]	Diametro massimo ϕ delle barre (mm)		
	w_3 = 0,4 mm	w_2 = 0,3 mm	w_1 = 0,2 mm
160	40	32	25
200	32	25	16
240	20	16	12
280	16	12	8
320	12	10	6
360	10	8	-

Figura 4

Tabella C4.1.III *Spaziatura massima delle barre per il controllo di fessurazione*

Tensione nell'acciaio σ_s [MPa]	Spaziatura massima s delle barre (mm)		
	w_3 = 0,4 mm	w_2 = 0,3 mm	w_1 = 0,2 mm
160	300	300	200
200	300	250	150
240	250	200	100
280	200	150	50
320	150	100	-
360	100	50	-

Figura 5

7 GALLERIA ARTIFICIALE

7.1 Descrizione della sezione tipo

La sezione tipo della galleria artificiale è una sezione monocentrica con raggio interno di calotta pari a 6.45m e un raggio interno di arco rovescio di 10.14m.
Lo spessore del rivestimento è pari a 90cm in calotta e 100cm in arco rovescio. In corrispondenza dei ritti, la sezione ha uno spessore variabile da un minimo di 90 cm in corrispondenza del piano dei centri fino a circa 130cm in corrispondenza della muretta e fino a 200cm in corrispondenza della calotta. I piedritti hanno un'altezza di 811cm a partire dal piano di posa delle murette. Le murette presentano un piano di posa orizzontale di 135cm.
Tutte le caratteristiche geometriche sono riportate in [6].

7.2 Sezioni di verifica

Ai fini del dimensionamento statico della galleria artificiale è stata presa in considerazione la sezione 5 alla pk 2+054.7 riportata in Figura 6 e messa in evidenza nel profilo di Figura 7. La galleria è ricoperta da materiale di riempimento con una pendenza media di 7° (assunta nei calcoli cautelativamente pari a 10°) verso destra e avente uno spessore in asse di 3.4m che si assume cautelativamente pari a 4m.
L'arco rovescio poggia sul materiale roccioso intatto (PLO) mentre i piedritti sono parzialmente interessati dalla roccia intatta e parzialmente da quella alterata. Considerato che lungo il profilo della galleria, il materiale alterato interessa una porzione maggiore dei piedritti rispetto alla sezione di Figura 6, si considera cautelativamente che entrambi i piedritti siano interamente a contatto con il materiale roccioso alterato (PLO-a). Come già illustrato nel Par. 5, la presenza dell'acqua di falda non viene considerata.

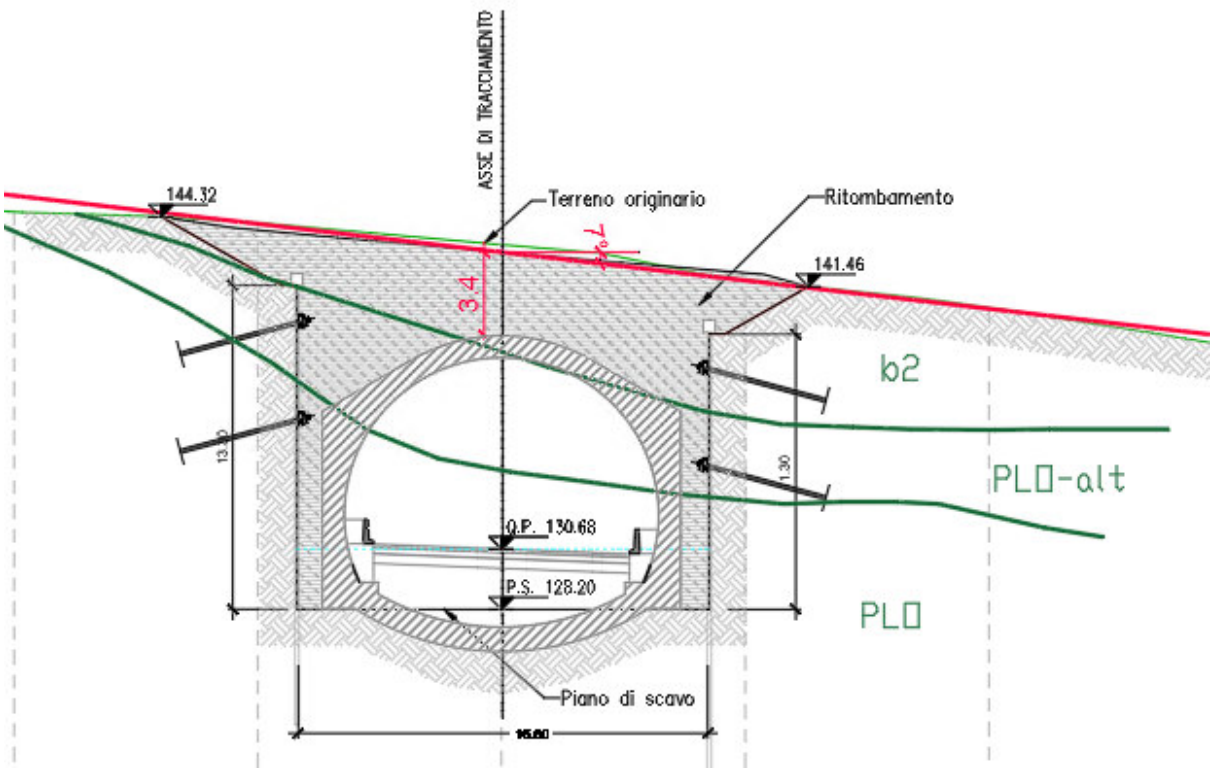


Figura 6: Sezione di verifica

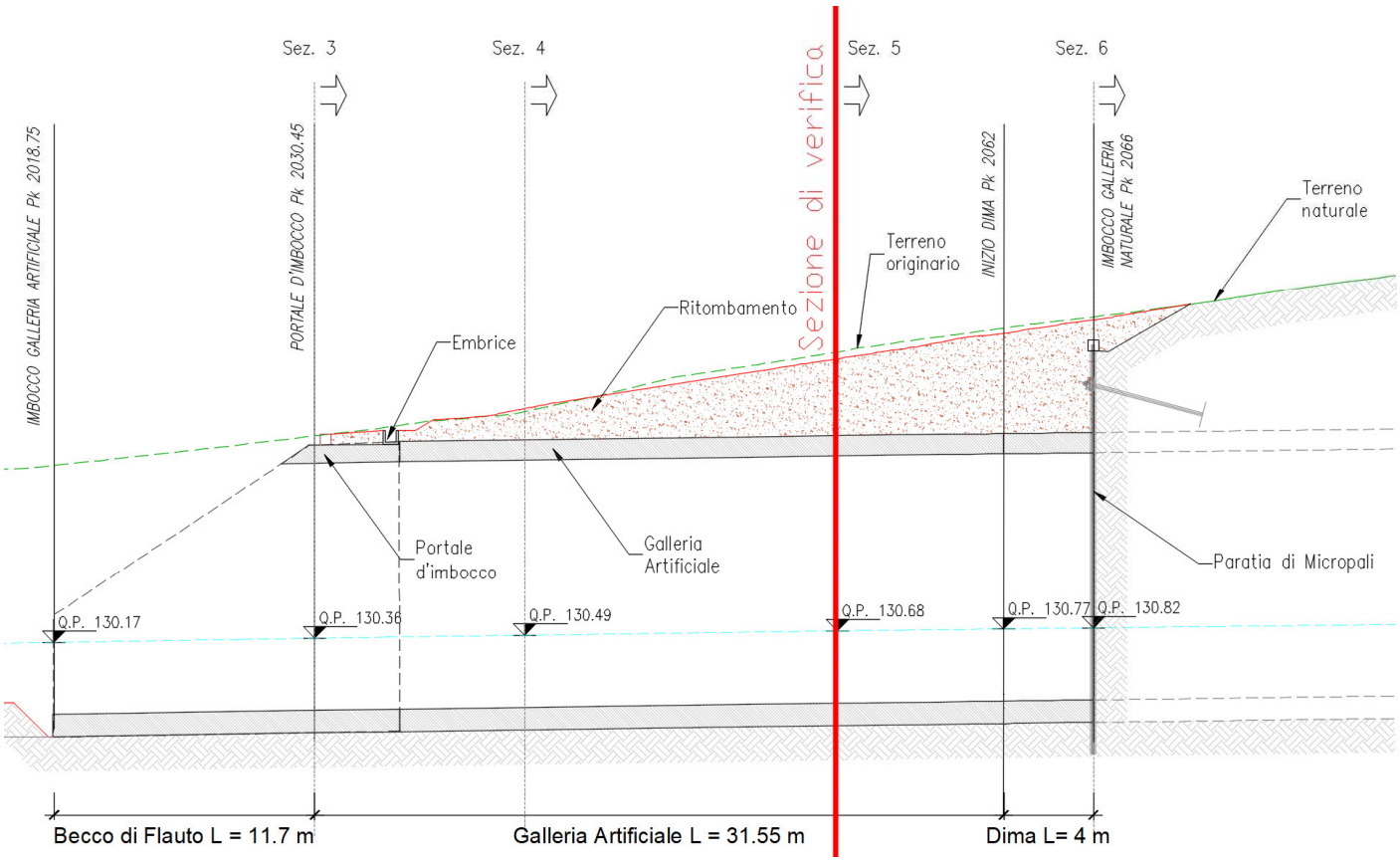


Figura 7: Profilo imbocco Sud galleria Montebonello con individuazione sezione di verifica

7.3 Modello di calcolo

L'analisi strutturale della sezione trasversale studiata è stata condotta tramite il programma a elementi finiti SAP2000 considerando un concio di galleria di lunghezza unitaria (pari a 1.0m). La struttura è stata discretizzata mediante elementi finiti piani di tipo trave (beam) di lunghezza opportuna al fine di conseguire una sufficiente approssimazione delle componenti curve della sezione trasversale, circa 50 cm (si veda Figura 8). Gli spessori delle aste variano in funzione dell'elemento strutturale (arco rovescio, ritti, muretta, calotta) considerato (si veda Figura 9).

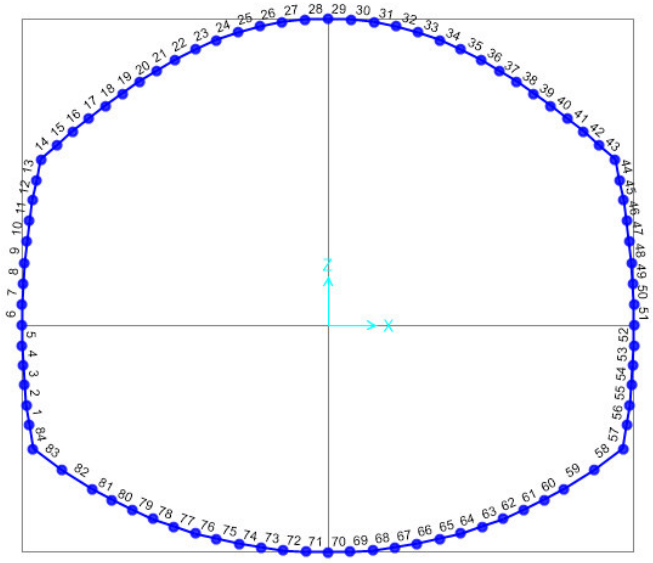


Figura 8: Modello sezione trasversale

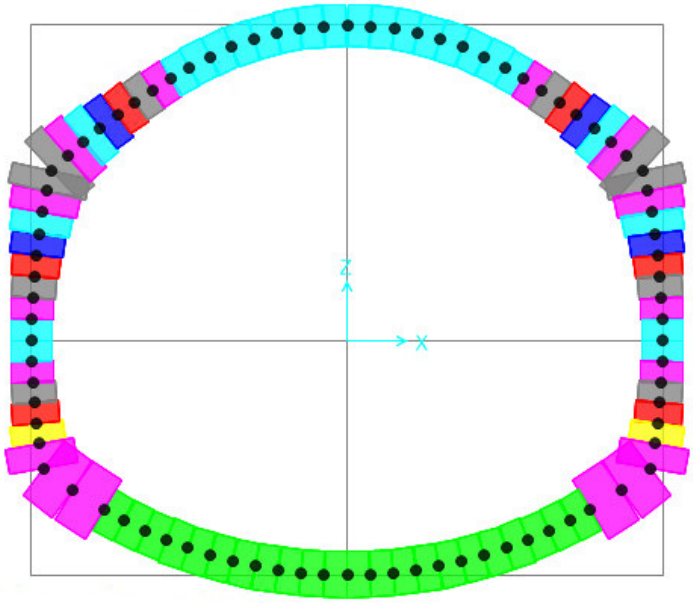


Figura 9: Modello sezione trasversale – spessore aste

L'interazione terreno-struttura è stata simulata utilizzando delle molle lineari lungo gli elementi in grado di trasmettere alla struttura, solo se compressi, una reazione pari alla pressione di contatto terreno-struttura. La determinazione dei parametri di rigidezza delle molle è stata condotta mediante le formulazioni proposte da Boussinesq per le superfici piane (piedritti) e da Galerkin per le superfici curve (arco rovescio e calotta) nell'ipotesi di deformazioni piane.

- Boussinesq (per superfici piane o assimilabili, ovvero per i piedritti):

$$k_B = \frac{E}{\left(1-\nu^2\right)\cdot B\cdot C_d} \qquad [F/L^3]$$

Essendo:
E modulo di elasticità della formazione PLO-a come riportato in Tabella 1;
ν coefficiente di Poisson della formazione PLO-a come riportato in Tabella 1;
C_d coefficiente di forma.

Il coefficiente di forma è dato in funzione delle caratteristiche geometriche della superficie di contatto terreno-struttura: la Tabella 4, in cui L e B sono rispettivamente lunghezza e base della ipotetica fondazione, riassume i valori considerati. La grandezza L è stata considerata pari all'altezza dei piedritti (L = 8.11m), mentre la lunghezza B è stata assunta pari alla lunghezza di un concio di galleria (B = 12m).

TABELLA	
L/B	C_d
1.5	1.15
2	1.30
3	1.52
5	1.83
10	2.25
100	3.7
1000	5.15
10000	6.6

Tabella 4

La legge forza-spostamento adottata è schematizzata nella Figura 10.

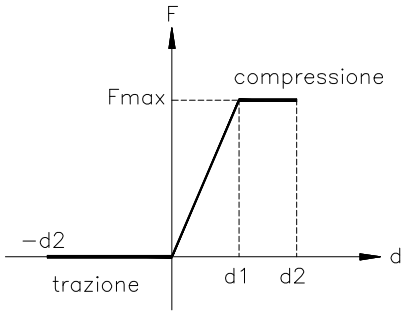


Figura 10: Legge forza-spostamento link

dove d_1 è maggiore del massimo spostamento atteso per il generico nodo della struttura (ad esempio 1.0m).

- Galerkin (per superfici curve, ovvero per arco rovescio e calotta):

$$k_G = \frac{E}{(1+\nu)\cdot R_{eq}} \quad [F/L^3]$$

Essendo:
E modulo di elasticità dell'ammasso;
ν coefficiente di Poisson dell'ammasso;
R_{eq} raggio di curvatura equivalente.

Nell'arco rovescio è stato considerato il modulo elastico della formazione PLO come riportato in Tabella 1 e un raggio equivalente R_{eq} pari a 11.14m. In calotta, è stato considerato il modulo elastico del terreno di riempimento come riportato in Tabella 1 e un raggio equivalente R_{eq} pari a 7.35m.

La rigidezza flessionale della muretta è simulata attraverso una molla rotazionale applicata nei nodi 58 e 84 avente una rigidezza rotazionale calcolata con la formulazione proposta da Boussinesq:

$$k_{B\theta} = k_{BV}\frac{B_B^3}{12} \quad [F/L]$$

Essendo:
k_{BV} rigidezza verticale di Bussinesq alla base della muretta
B_B dimensione trasversale della superficie piana della muretta.

La rigidezza verticale alla base della muretta è calcolata con la formula di Bussinesq per superfici piane per una lunghezza di 1,35m, pari alla sezione di base della muretta. Tale rigidezza è applicata nel modello come delle molle lineari lungo le aste 58-59 e 82-83 che reagiscono in direzione verticale.
Per quanto riguarda la costante di Boussinesq alla base della muretta, è stato posto un limite superiore ad un valore pari a 3 volte la costante ottenuta con il metodo di Galerkin sull'arco rovescio.

La Tabella 5 esplicita quale rigidezza è stata attribuita a ciascuna asta/nodo del modello.

	Aste* / Nodi**	**Rigidezze**
$k_{G(calotta)}$	14-43 (*)	3 000 [kPa/m]
$k_{hB\_sx(ritti)}$	1-13; 84 (*)	50 000 [kPa/m]
$k_{hB\_dx(ritti)}$	44-57 (*)	50 000 [kPa/m]
$k_{G(ar)}$	60-81 (*)	100 000 [kPa/m]
$k_{v(mur)}$	58-59;82-83 (*)	300 000 [kPa/m]
$k_{\theta(mur)}$	58; 84 (**)	150 000 [kN*m]

Tabella 5

Dato il comportamento non lineare delle molle, l'analisi a struttura è stata condotta con un'analisi di tipo elastico-non lineare.

7.4 Analisi dei carichi

7.4.1 Peso proprio

Il peso proprio della struttura è valutato in ragione di 25.0 kN/m^3 ed è computato automaticamente dal programma di calcolo. Il peso proprio è parte della condizione di carico **PP**.

7.4.2 Peso del ricoprimento

Il peso del ricoprimento costituisce un carico permanente verticale valutato in funzione dello spessore e del peso di un terreno di riempimento pari a 18 kN/m^3 (peso naturale). E' stata considerata una copertura in asse di 4m e un profilo del terreno con una pendenza media di 10° verso destra.
È stato opportunamente tenuto in conto che, allontanandosi dall'asse della galleria, il carico cambia per il cambiamento di quota dei nodi della calotta. Il peso del ricoprimento è stato inserito nella condizione di carico **Pv** ed è applicato a tutti i nodi nella parte superiore del modello.

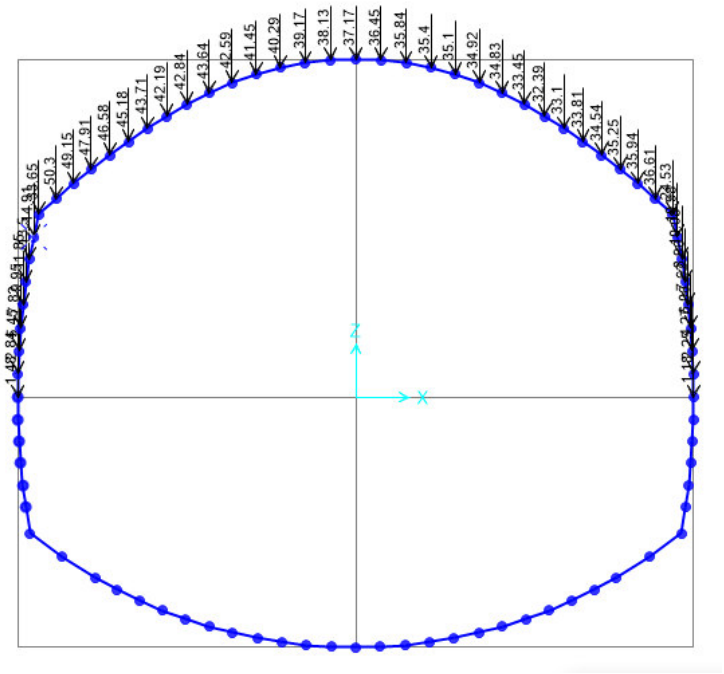


Figura 11: Modello di calcolo – Pv

7.4.3 Spinte laterali del terreno

Sui lati della galleria sono state considerate le spinte orizzontali generate dal terreno di riempimento sulla calotta e dal materiale a monte della berlinese sui piedritti. Si evidenzia che per tutta l'altezza dei piedritti è stato cautelativamente considerato il materiale roccioso alterato trascurando la roccia intatta.
Tali spinte agenti sulla parte a sinistra e a destra della galleria sono state inserite rispettivamente nella condizione di carico **Ph_sx** e **Ph_dx**.
Tali spinte sono state ottenute facendo l'integrale del prodotto tra lo sforzo verticale e il coefficiente di spinta a riposo. Lo sforzo verticale e il coefficiente di spinta k_0 (calcolato come: $k_0 = (1 - sen\phi)$) sono stati calcolati in ragione del peso e dell'angolo d'attrito del riempimento e di PLO-a definiti in Tabella 1.

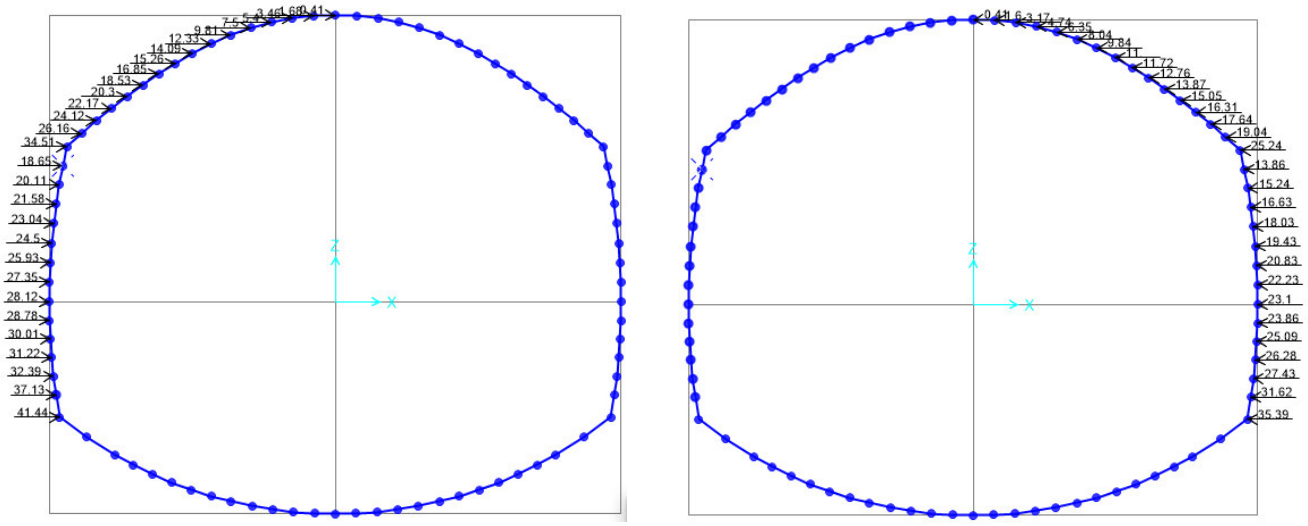


Figura 12: Modello di calcolo – Ph_sx e Ph_dx

7.4.4 Spinta idrostatica dell'acqua di falda

La spinta della acqua non è stata considerata nelle analisi.

7.4.5 Azione sismica

7.4.5.1 Periodo di riferimento per l'azione sismica

L'accelerazione orizzontale massima attesa al sito dipende dal periodo di riferimento considerato per la definizione dell'azione sismica. Data la tipologia della struttura in progetto si ritiene di attribuire, ai sensi della tabella 2.4.I del D.M. 17.01.2018, una vita nominale $V_N \geq 50$ anni. Si è scelto di adottare una classe d'uso IV, come definita al par 2.4.2 del DM 17.01.2018. In base alla tabella 2.4.II il coefficiente d'uso vale $C_U = 2$.

Pertanto, il periodo di riferimento per l'azione sismica vale:

$$V_R = V_N \times C_u = 50 \times 2 = 100 \text{ anni}$$

7.4.5.2 Parametri sismici

I parametri sismici di base sono riportati nella Relazione sismica allegata al presente progetto [1].

I valori di accelerazione massima attesa a_g su sito di riferimento rigido orizzontale e i valori dell'amplificazione dello spettro in accelerazione orizzontale F_0, per i periodi di ritorno T_R associati a ciascuno stato limite valgono:

Stato Limite	T_R [anni]	a_g [g]	F_0 [-]	T_C^* [s]
SLO	60	0.079	2.461	0.272
SLD	101	0.089	2.441	0.278
SLV	949	0.224	2.377	0.303
SLC	1950	0.280	2.409	0.314

Tabella 6

7.4.5.3 Categoria sismica dei suoli di fondazione e coefficiente di amplificazione stratigrafica

Ai fini della progettazione geotecnica e strutturale delle opere, l'imbocco sud della Galleria Montebonello si trova in un materiale di **categoria E** in base alla quale sono stati ottenuti i seguenti valori del coefficiente di amplificazione stratigrafica $\mathbf{S_S}$ (cfr. Tabella 3.2.IV del D.M. 17/01/18), funzione anch'essi dello stato limite considerato:

nel caso di verifiche **SLV** (a_g=0,224, F_o=2,377 e T_c*=0,303):

Categoria sottosuolo	S_S
E	1.41

Tabella 7

7.4.5.4 Coefficiente di amplificazione topografica

In base alle condizioni topografiche presenti in sito (T2= Pendii con inclinazione media i > 15°) è stato ottenuto il seguente valore dei coefficienti di amplificazione topografica S_T (cfr. Tabella 3.2.V del D.M. 17.01.18), considerando a favore di sicurezza che l'opera si trovi in sommità al pendio:

Categoria topografica	S_T
T2	1,2

Tabella 8

7.4.5.5 Forze d'inerzia sulle masse

Si calcolano i coefficienti sismici:

Coeff. per forze orizzontali SLV: $K_{h,slv} = \pm a_g/g \times S_S \times S_T = \pm 0.224 \times 1.4 \times 1.2 = \pm 0.380$

Coeff. per le forze verticali SLV: $K_{v,slv} = \pm 0.5 \times K_{h,slv} = 0.190$

Moltiplicando i pesi propri delle strutture e del terreno di riempimento per i coefficienti sismici appena calcolati si trovano le forze d'inerzia delle masse causate dal sisma (forza d'inerzia verticale: $F_{iV} = \pm K_{V,SLV} \cdot W$ e forza d'inerzia orizzontale:$F_{iH} = \pm K_{H,SLV} \cdot W$).
Le forze d'inerzia verticali vengono tenute in conto nelle stesse combinazioni PP e Pv dove le forze d'inerzia vengono sommate o sottratte ai pesi traducendosi in un'amplificazione o una riduzione del peso:

- Forza d'inerzia verso l'alto: $F_{iv} + W = W \times K_{v,slv} + W = (1 + K_{v,slv})W = 1.190\ W$
- Forza d'inerzia verso il basso: $-F_{iv} + W = -W \times K_{v,slv} + W = (1 - K_{v,slv})W = 0.810\ W$

Le forze d'inerzia orizzontali della massa di cls sono pari a $Fih = \pm K_{h,slv} \times W = \pm 0.380\ W$ e sono state inserite nel programma di calcolo nelle condizioni di carico col nome **In_sx e In_dx**.

Infine, la spinta sismica trasmessa alla galleria dal materiale roccioso è stata considerata attraverso il carico sismico di Wood (1973) secondo il quale l'azione sismica su una parete rigida di altezza H è una pressione uniforme pari a:

$$p_{sism} = a_g/g \times \gamma \times H$$

La cui risultante applicata ad H/2 è pari a:

$$P_{sism} = p_{sism} \times H = a_g/g \times \gamma \times H^2$$

Considerando l'altezza H pari all'altezza della sezione della galleria (dalla base della muretta all'altezza in asse alla calotta) e il mezzo in cui si trasmette l'onda l'ammasso roccioso con γ=25kN/m^3, sono state applicate le seguenti forze distribuite *p[kpa]*.

	H [m]	p [kPa]	P[kN]

Sisma sx	11.21	107	1194
Sisma dx	11.21	107	1194

Tabella 9

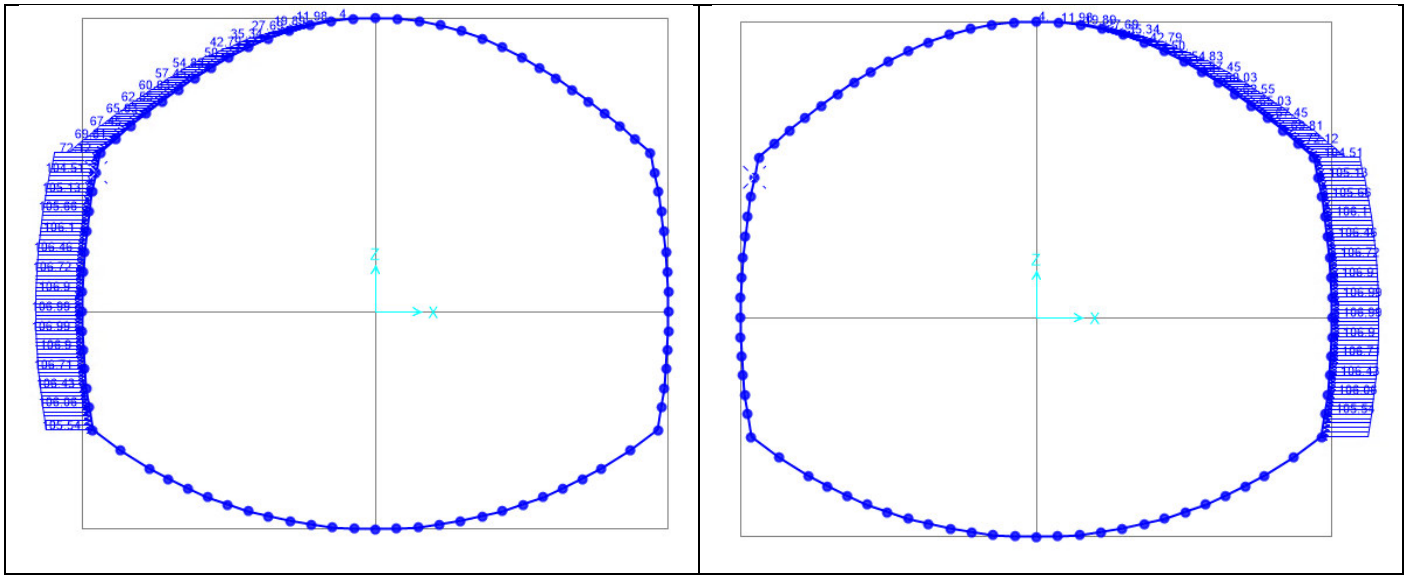


Figura 13: Sisma sx e Sisma dx

7.5 Quadro delle combinazioni adottate

Nella Tabella 10 sono riassunte le combinazioni di carico che sono state utilizzate per fare le verifiche agli stati limite ultimi e agli stati limite di esercizio secondo il D.M. 17 gennaio 2018 Par. 2.5.3.
Per quanto riguarda la combinazione agli Stati Limiti Ultimi, si considera la combinazione *fondamentale* (indicata come **SLU**) con i coefficienti A1(STR) che si trovano nella Tabella 6.2.I del D.M. 17 gennaio 2018.
Per le combinazioni sismiche (indicate nel seguito come **SLV_DX_D, SLV_SX_D, SLV_DX_U** e **SLV_SX_U**) non sono previsti dei coefficienti di amplificazione dei carichi; i coefficienti che si leggono nella tabella sottostante traducono la presenza combinata del carico stesso e dell'inerzia per il sisma come illustrato nel Par. 7.4.5.5.
Si nota che per quanto riguarda gli stati limite di Esercizio, non avendo considerato alcun carico accidentale, la combinazione *rara*, *frequente* e *quasi permanente* coincidono e vengono raggruppate nella combinazione chiamata **SLE**.

	PP	Pv	Ph_dx	Ph_sx	In_dx	In_sx	Sisma_dx	Sisma_sx
SLE	1	1	1	1	0	0	0	0
SLU	1,3	1,3	1,3	1,3	0	0	0	0
SLV_DX_D	1.190	1.190	1	1	0.380	0	1	0
SLV_SX_D	1.190	1.190	1	1	0	0. 380	0	1
SLV_DX_U	0.810	0.810	1	1	0. 380	0	1	0
SLV_SX_U	0.810	0.810	1	1	0	0. 380	0	1

Tabella 10

7.6 Sollecitazioni

Si riportano nel seguito i grafici delle sollecitazioni nelle combinazioni di carico SLE, SLU e una combinazione sismica rappresentativa (SLV_SX_D).

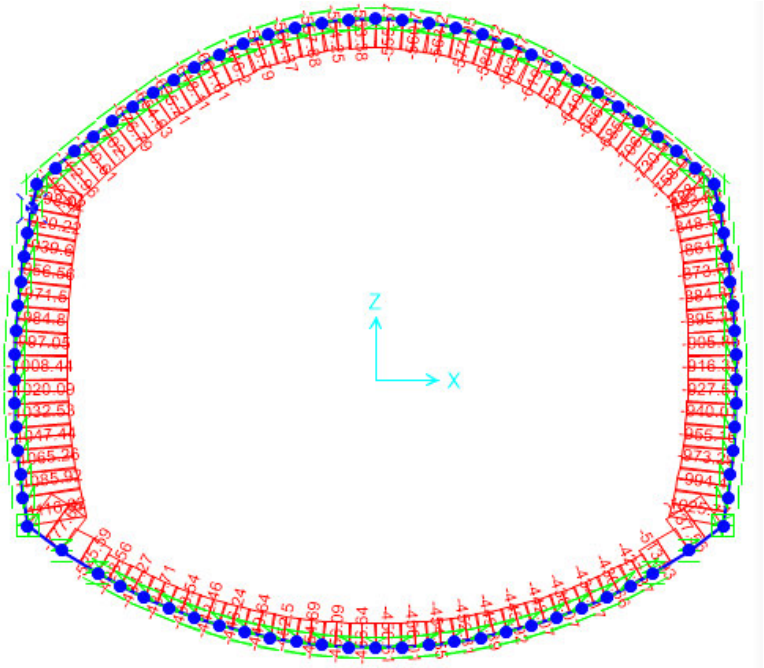


Figura 14: Andamento dell'azione assale nella combinazione SLE.

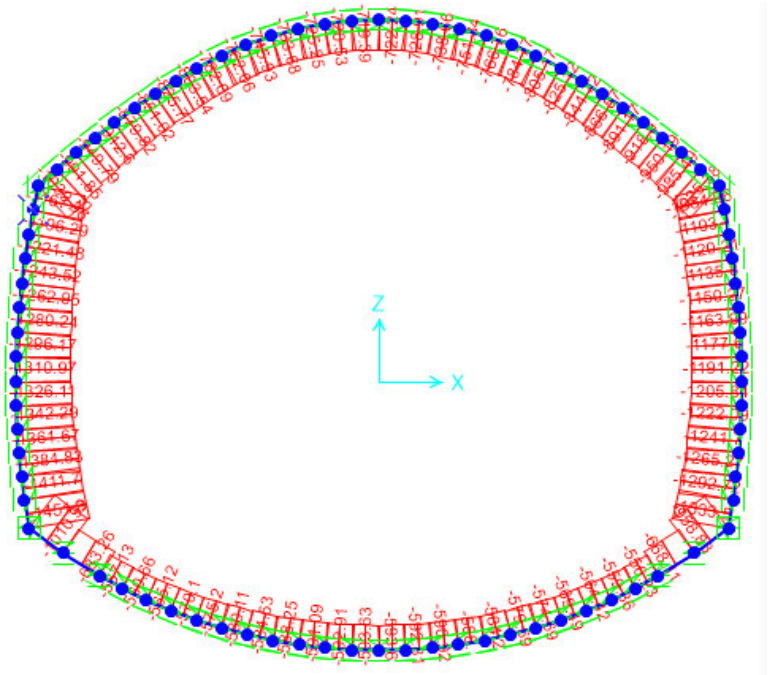


Figura 15: Andamento dell'azione assale nella combinazione SLU.

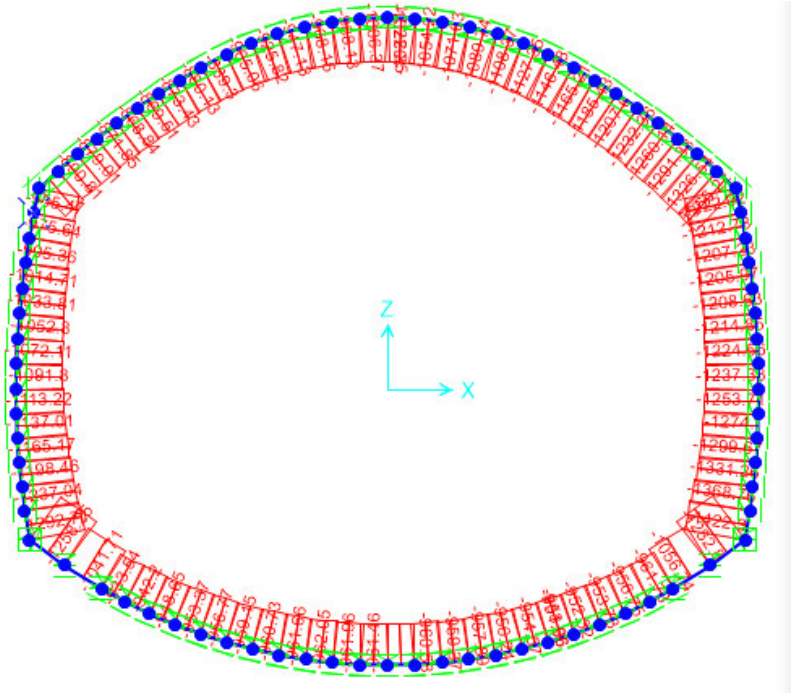


Figura 16: Andamento dell'azione assale nella combinazione SLV_SX_D.

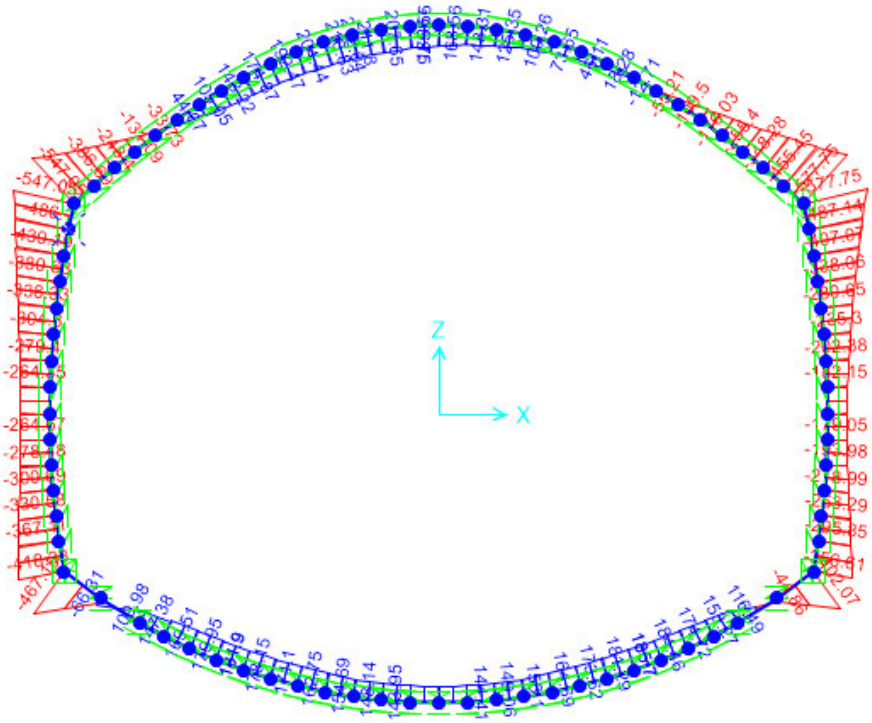


Figura 17: Andamento del momento flettente nella combinazione SLE.

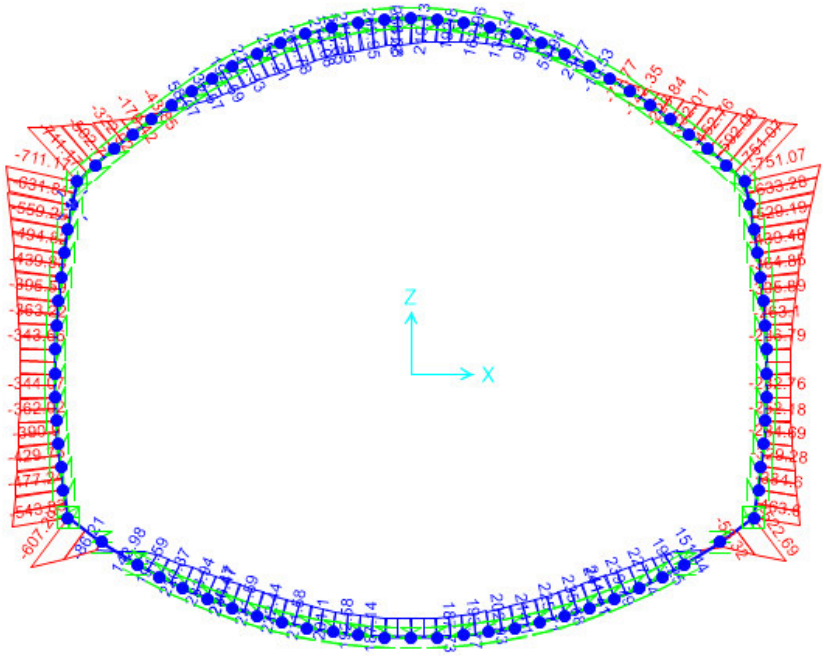


Figura 18: Andamento del momento flettente nella combinazione SLU.

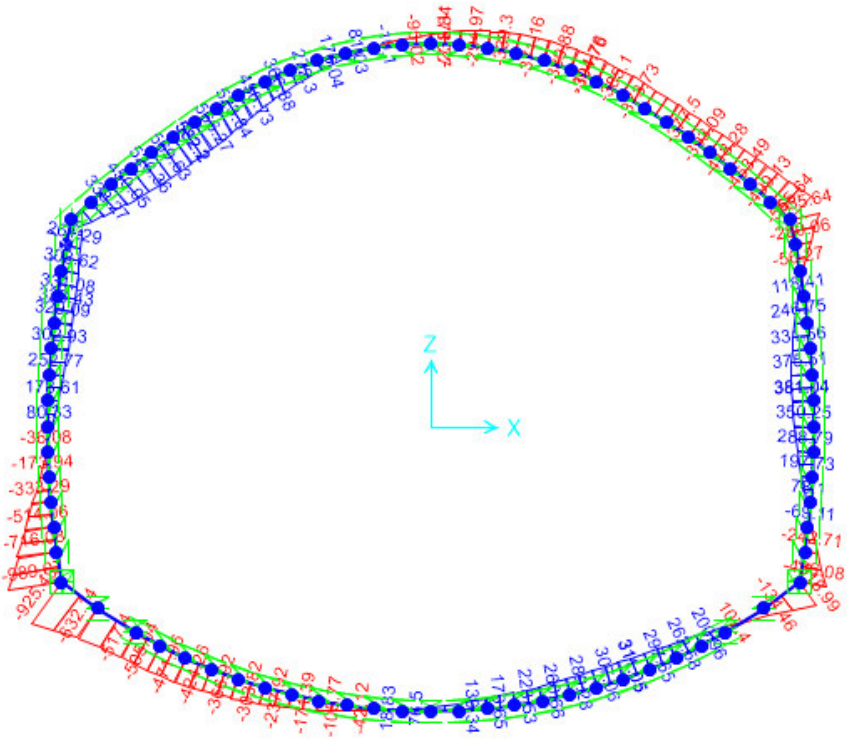


Figura 19: Andamento del momento flettente nella combinazione SLV_SX_D.

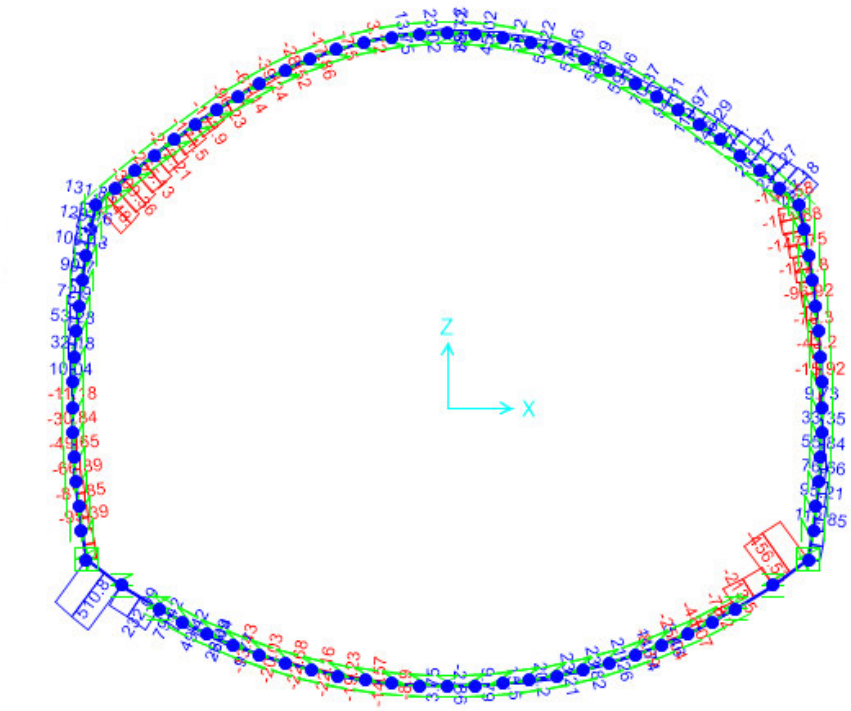


Figura 20: Andamento del taglio nella combinazione SLE.

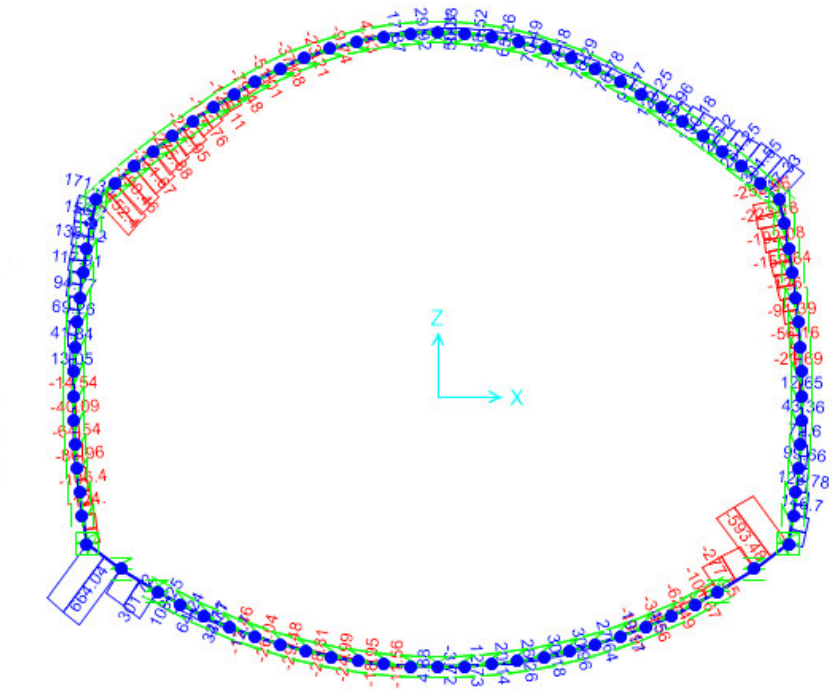


Figura 21: Andamento del taglio nella combinazione SLU.

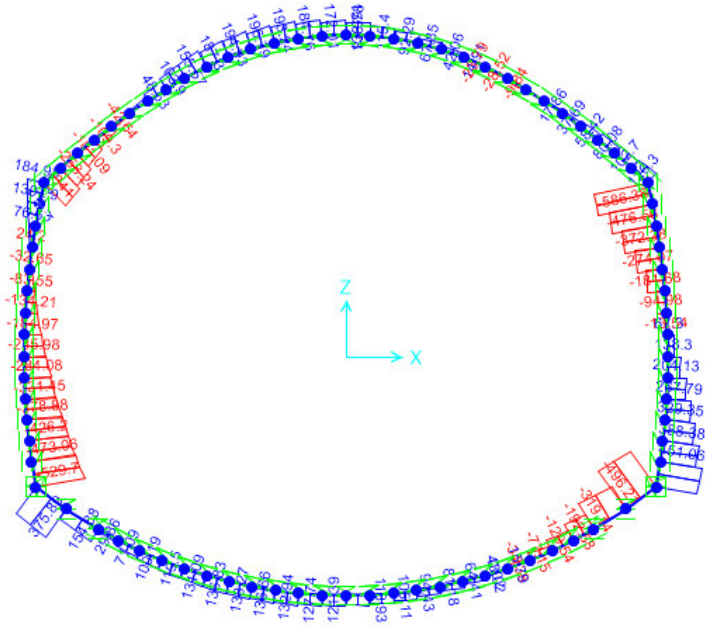


Figura 22: Andamento del taglio nella combinazione SLV_SX_D

7.7 Verifiche agli Stati Limite Ultimi

La Tabella 11 riassume le armature previste nelle sezioni. Le armature indicate si riferiscono a 1.0 m di struttura.

	Armatura longitudinale	Armatura trasversale
Calotta	Φ22/20 sia in intradosso che in estradosso	Φ12/300mm a 3 braccia per i primi 2 m sopra le murette
AR	Φ22/20 sia in intradosso che in estradosso	-

Tabella 11

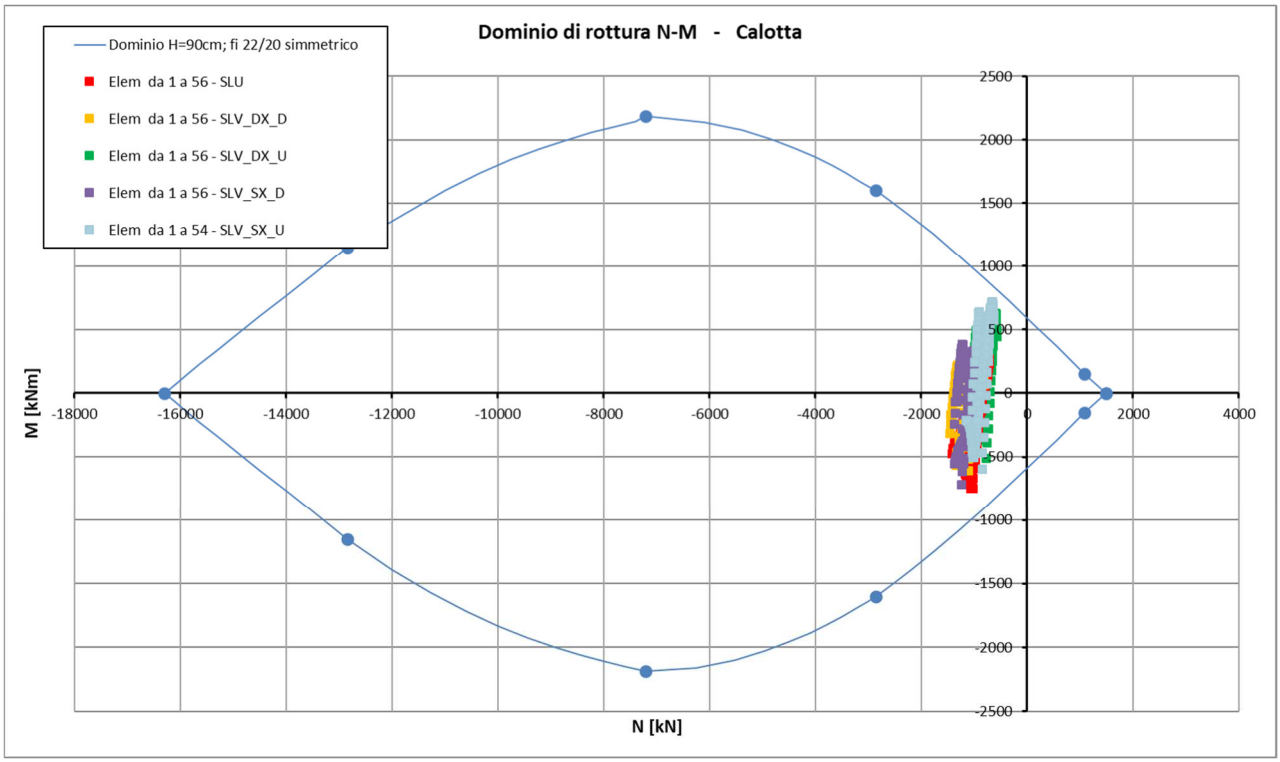
Nel presente capitolo con il termine “Calotta” si intende tutta la parte di sezione sopra la ripresa di getto in corrispondenza del drenaggio.

7.7.1 Verifica per sollecitazioni di presso/tenso-flessione

Le verifiche agli stati limite di presso/tenso flessione vengono effettuate verificando che tutte le coppie M-N delle combinazioni SLU e sismiche, ricadano all’interno del dominio M-N limite ricavato in funzione dalla geometria della sezione e dalle armature.

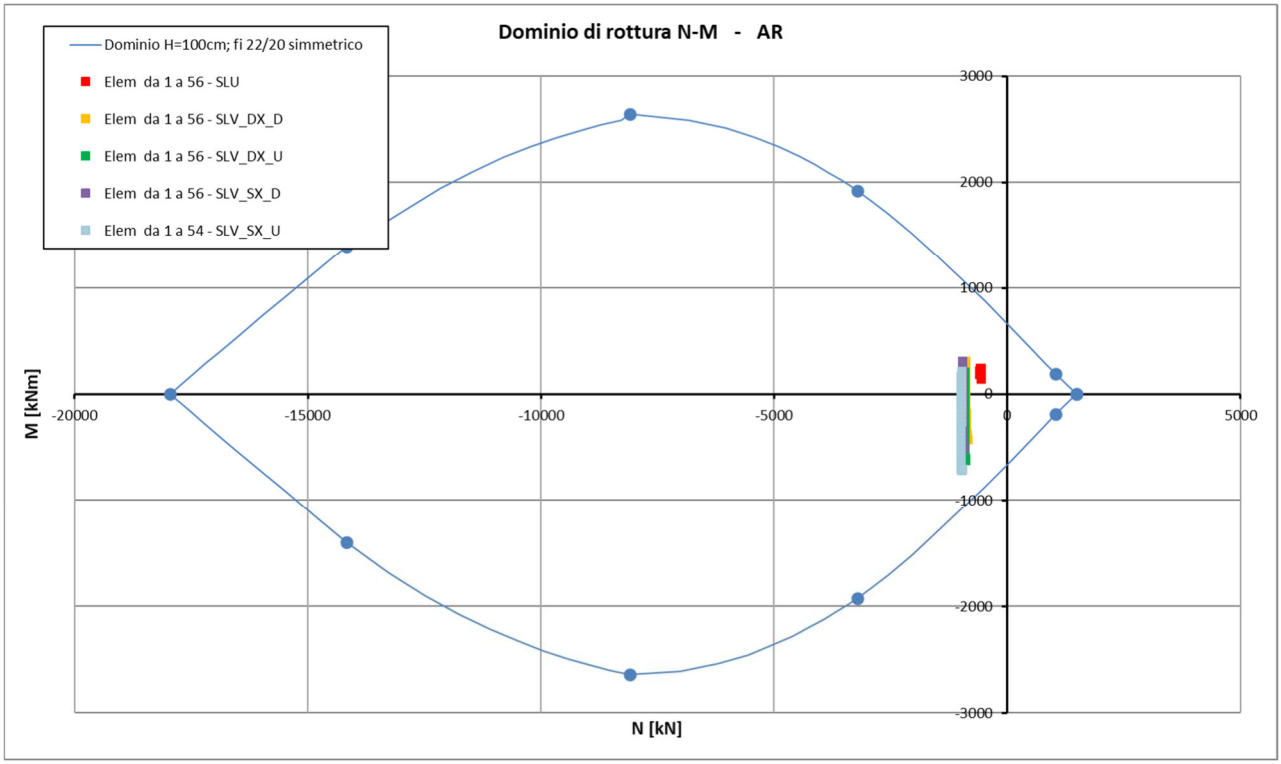
7.7.1.1 Calotta

Nel seguito si riporta la verifica di tutte le sezioni in calotta considerando la sezione di altezza minima pari a 90cm; la verifica viene rispettata con Φ22/20 sia in intradosso che in estradosso.



7.7.1.2 Arco rovescio

Nel seguito si riporta la verifica di tutte le sezioni in arco rovescio considerando la sezione di altezza minima pari a 100cm, la verifica viene rispettata con Φ22/20 sia in intradosso che in estradosso.



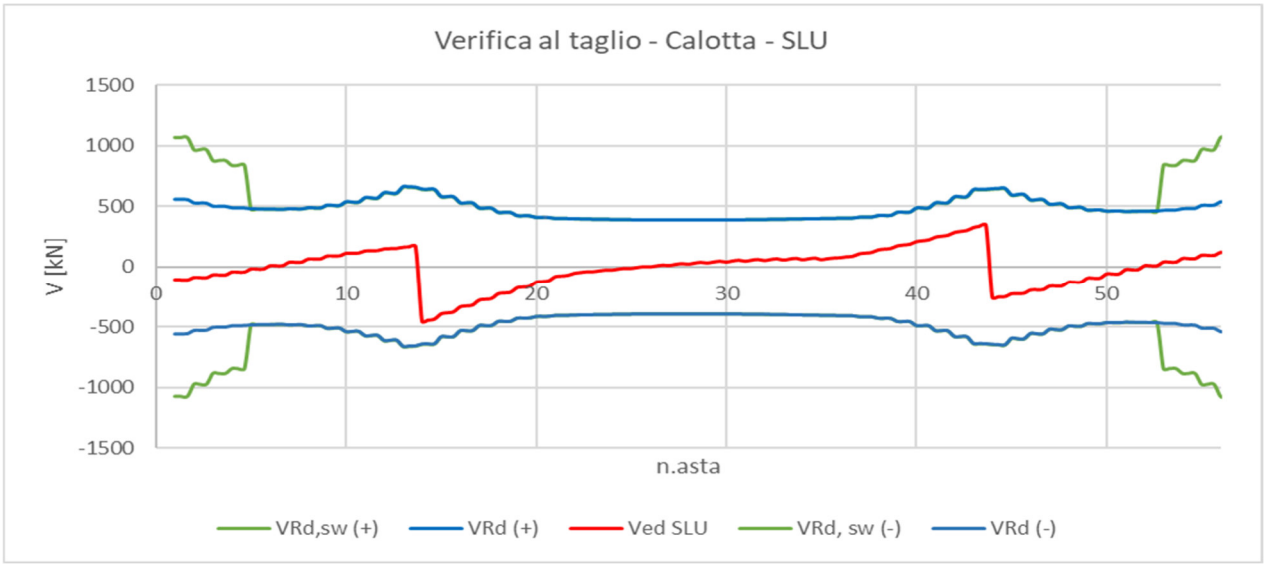
7.7.2 Verifica per sollecitazioni di taglio

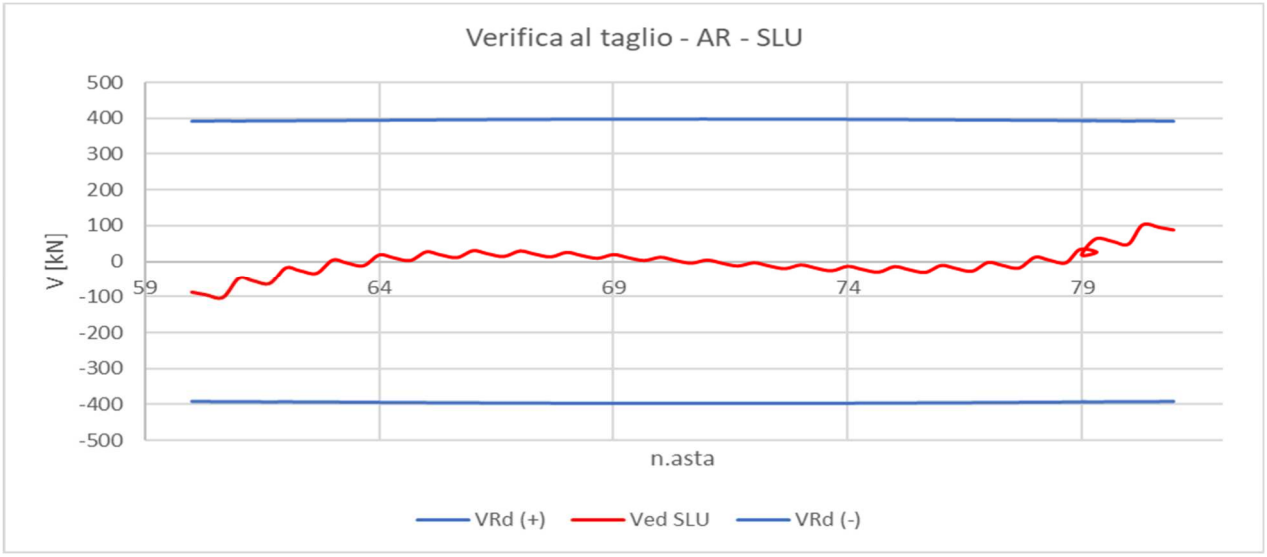
I grafici sottostanti mostrano l'andamento del taglio resistente e del taglio sollecitante lungo la calotta e l'arco rovescio nella combinazione di carico SLU e nelle diverse combinazioni di carico sismiche raccolte in un unico grafico SLV.

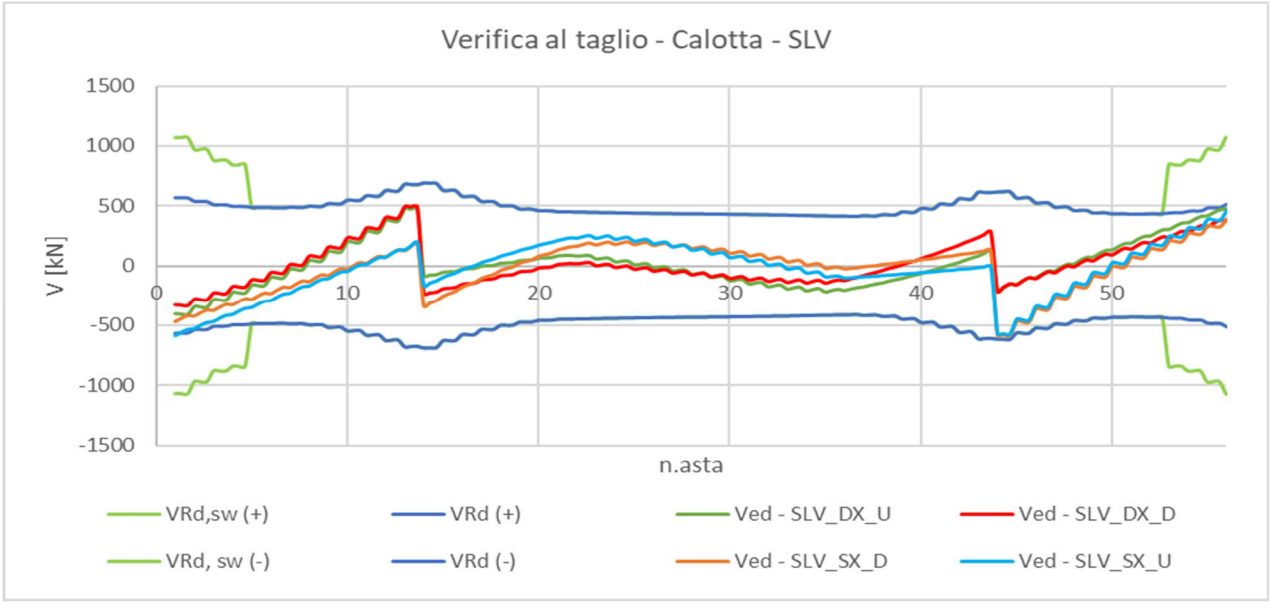
Il taglio resistente è stato calcolato per ogni sezione in accordo con la teoria illustrata al Par.6.2 considerando una sezione in cls con un'altezza funzione dell'elemento considerato e le armature longitudinali definite al paragrafo precedente. Nelle combinazioni sismiche, il taglio resistente è stato calcolato a favore di sicurezza considerando la forza di compressione minima tra tutte le combinazioni SLV.

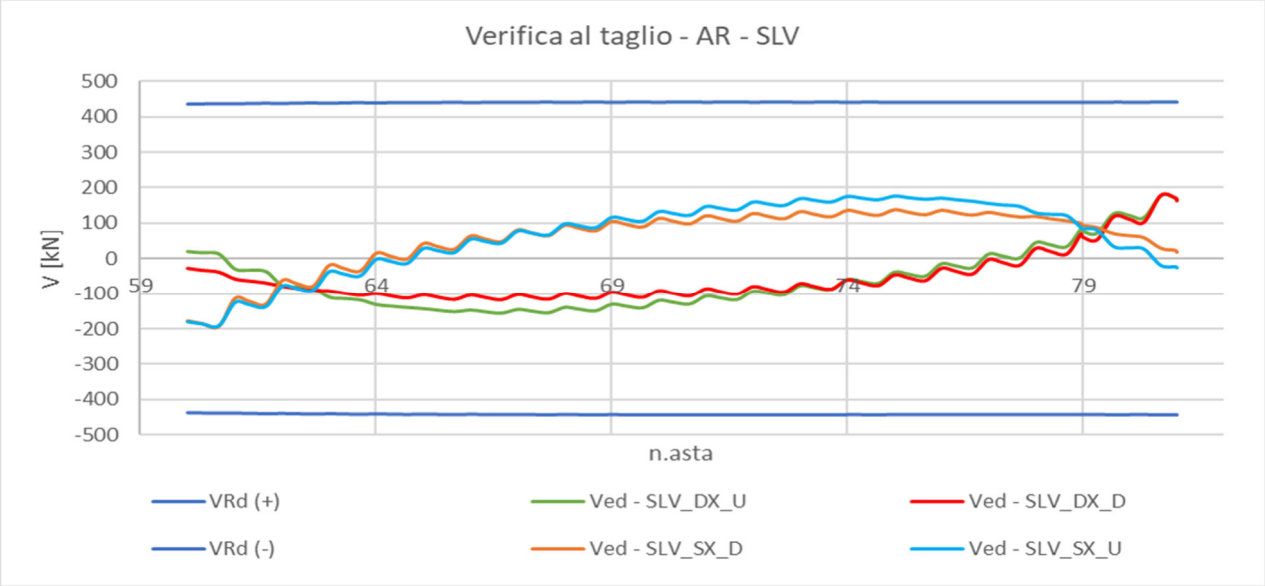
Sull'asse delle ascisse è riportato un numero delle aste del modello riscontrabili in Figura 8.

Le verifiche al taglio in calotta e in arco rovescio sono soddisfatte considerando il solo contributo delle armature longitudinali per tutte le sezioni ad eccezione dei primi 2m sopra le murette dove sono necessarie delle staffe Φ14/300mm a 3 braccia.


Verifica al taglio - Calotta - SLU
V [kN]
n.asta
VRd,sw (+)
VRd (+)
Ved SLU
VRd, sw (-)
VRd (-)

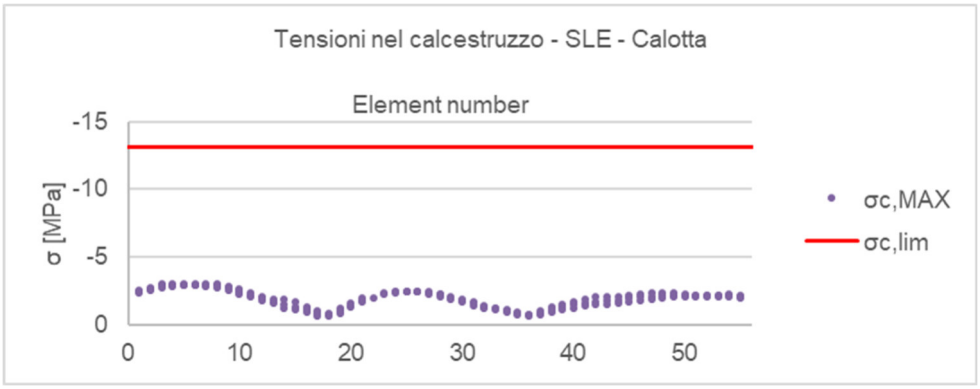

Verifica al taglio - AR - SLU
V [kN]
n.asta
VRd (+)
Ved SLU
VRd (-)

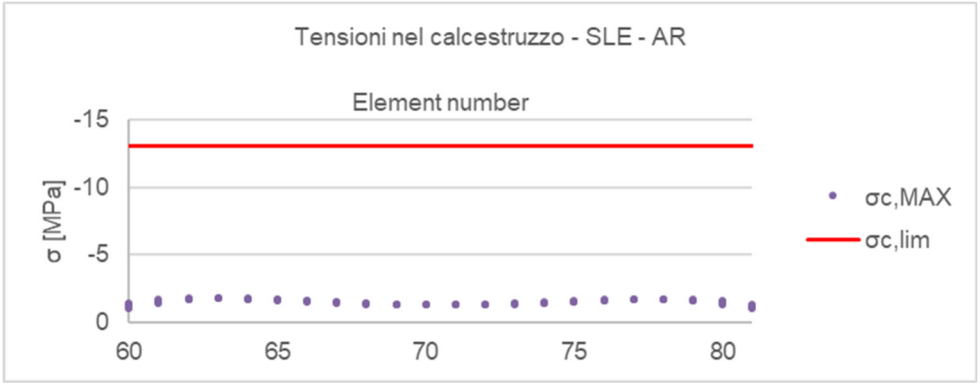

Verifica al taglio - Calotta - SLV
V [kN]
n.asta
VRd,sw (+)
VRd (+)
Ved - SLV_DX_U
Ved - SLV_DX_D
VRd, sw (-)
VRd (-)
Ved - SLV_SX_D
Ved - SLV_SX_U

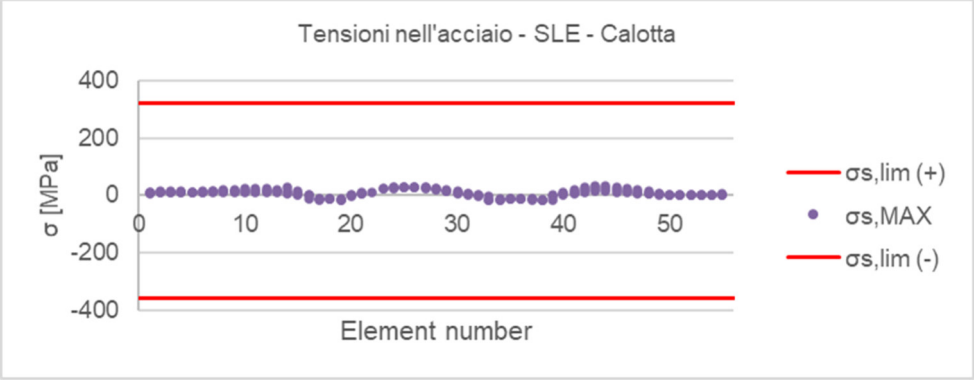


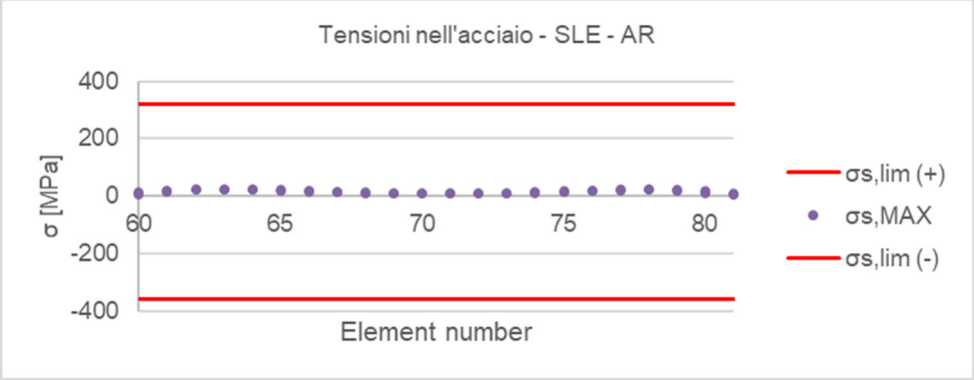
7.8 Verifiche agli stati limite di esercizio

Nel seguente paragrafo sono riportati dei grafici che mostrano l'andamento delle tensioni massime nel calcestruzzo e nell'acciaio lungo la calotta e l'arco rovescio nella combinazione SLE.
Le sollecitazioni sono state calcolate per ogni asta in funzione della geometria e quantità di armatura. Sull'asse delle ascisse è riportato un numero delle aste del modello riscontrabili in Figura 8. Negli stessi grafici sono riportate le sollecitazioni massime ammesse da normativa come riportate nel Par. 6.3.









Le tensioni nel calcestruzzo e nell'acciaio sono inferiori ai valori previsti da normativa, dunque le verifiche sono soddisfatte.

7.9 Verifiche a fessurazione

Dal confronto delle tensioni nell'acciaio dei grafici precedenti con le tabelle della normativa riportate nel Par. 6.4. che definiscono i diametri massimi e la spaziatura massima delle barre in funzione della tensione dell'acciaio per il controllo della fessurazione, si deduce che l'apertura delle fessure rientra nel limite 0.3 sia per la calotta che per l'arco rovescio.

8 ALLEGATI

- ALLEGATO 1: Tabulato di calcolo SAP2000

ALLEGATO 1:
Tabulato di calcolo SAP2000

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SAP2000 Analysis Report

Prepared by

Pro Iter srl

Model Name: 2023.10_GA_Sud.sdb

4 ottobre 2023

Contents

List of Figures

List of Tables

1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

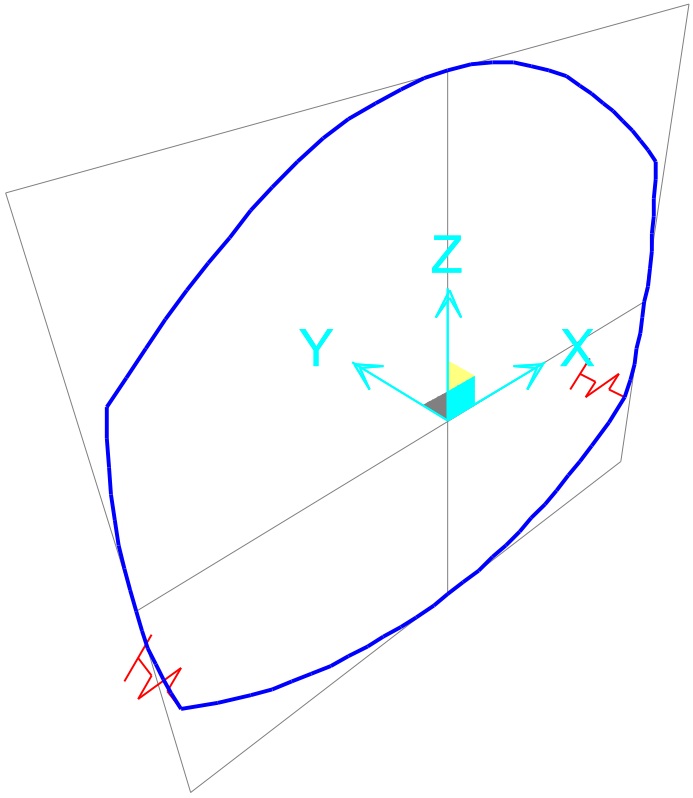

Figure 1: Finite element model

1.1. Joint coordinates

Table 1: Joint Coordinates

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
1	GLOBAL	Cartesian	-6.7342	0.	-2.24697
2	GLOBAL	Cartesian	-6.79382	0.	-1.79992
3	GLOBAL	Cartesian	-6.84024	0.	-1.35131
4	GLOBAL	Cartesian	-6.87343	0.	-0.90153
5	GLOBAL	Cartesian	-6.89336	0.	-0.45096
6	GLOBAL	Cartesian	-6.9	0.	0.
7	GLOBAL	Cartesian	-6.89322	0.	0.47087
8	GLOBAL	Cartesian	-6.87288	0.	0.94136
9	GLOBAL	Cartesian	-6.83901	0.	1.41106
10	GLOBAL	Cartesian	-6.79162	0.	1.87959
11	GLOBAL	Cartesian	-6.73077	0.	2.34656
12	GLOBAL	Cartesian	-6.65649	0.	2.81159
13	GLOBAL	Cartesian	-6.56886	0.	3.27428
14	GLOBAL	Cartesian	-6.46793	0.	3.73426

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
15	GLOBAL	Cartesian	-6.12004	0.	4.05165
16	GLOBAL	Cartesian	-5.76315	0.	4.3589
17	GLOBAL	Cartesian	-5.39757	0.	4.65574
18	GLOBAL	Cartesian	-5.02358	0.	4.94193
19	GLOBAL	Cartesian	-4.64152	0.	5.21723
20	GLOBAL	Cartesian	-4.25168	0.	5.48141
21	GLOBAL	Cartesian	-3.8544	0.	5.73427
22	GLOBAL	Cartesian	-3.45	0.	5.97558
23	GLOBAL	Cartesian	-2.9938	0.	6.21669
24	GLOBAL	Cartesian	-2.52085	0.	6.42303
25	GLOBAL	Cartesian	-2.03381	0.	6.59345
26	GLOBAL	Cartesian	-1.53539	0.	6.727
27	GLOBAL	Cartesian	-1.02839	0.	6.82293
28	GLOBAL	Cartesian	-0.51564	0.	6.88071
29	GLOBAL	Cartesian	0.	0.	6.9
30	GLOBAL	Cartesian	0.51564	0.	6.88071
31	GLOBAL	Cartesian	1.02839	0.	6.82293
32	GLOBAL	Cartesian	1.53539	0.	6.727
33	GLOBAL	Cartesian	2.03381	0.	6.59345
34	GLOBAL	Cartesian	2.52085	0.	6.42303
35	GLOBAL	Cartesian	2.9938	0.	6.21669
36	GLOBAL	Cartesian	3.45	0.	5.97558
37	GLOBAL	Cartesian	3.8544	0.	5.73427
38	GLOBAL	Cartesian	4.25168	0.	5.48141
39	GLOBAL	Cartesian	4.64152	0.	5.21723
40	GLOBAL	Cartesian	5.02358	0.	4.94193
41	GLOBAL	Cartesian	5.39757	0.	4.65574
42	GLOBAL	Cartesian	5.76315	0.	4.3589
43	GLOBAL	Cartesian	6.12004	0.	4.05165
44	GLOBAL	Cartesian	6.46793	0.	3.73426
45	GLOBAL	Cartesian	6.56886	0.	3.27428
46	GLOBAL	Cartesian	6.65649	0.	2.81159
47	GLOBAL	Cartesian	6.73077	0.	2.34656
48	GLOBAL	Cartesian	6.79162	0.	1.87959
49	GLOBAL	Cartesian	6.83901	0.	1.41106
50	GLOBAL	Cartesian	6.87288	0.	0.94136
51	GLOBAL	Cartesian	6.89322	0.	0.47087
52	GLOBAL	Cartesian	6.9	0.	0.
53	GLOBAL	Cartesian	6.89336	0.	-0.45096
54	GLOBAL	Cartesian	6.87343	0.	-0.90153
55	GLOBAL	Cartesian	6.84024	0.	-1.35131
56	GLOBAL	Cartesian	6.79382	0.	-1.79992
57	GLOBAL	Cartesian	6.7342	0.	-2.24697
58	GLOBAL	Cartesian	6.64432	0.	-2.78617
59	GLOBAL	Cartesian	5.99817	0.	-3.26424
60	GLOBAL	Cartesian	5.31776	0.	-3.69215
61	GLOBAL	Cartesian	4.87348	0.	-3.93474
62	GLOBAL	Cartesian	4.41816	0.	-4.15593
63	GLOBAL	Cartesian	3.95283	0.	-4.35519
64	GLOBAL	Cartesian	3.47854	0.	-4.53209
65	GLOBAL	Cartesian	2.99637	0.	-4.68622
66	GLOBAL	Cartesian	2.50742	0.	-4.81724
67	GLOBAL	Cartesian	2.01279	0.	-4.92484
68	GLOBAL	Cartesian	1.51359	0.	-5.00878

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
69	GLOBAL	Cartesian	1.01097	0.	-5.06888
70	GLOBAL	Cartesian	0.50606	0.	-5.10499
71	GLOBAL	Cartesian	0.	0.	-5.11704
72	GLOBAL	Cartesian	-0.50606	0.	-5.10499
73	GLOBAL	Cartesian	-1.01097	0.	-5.06888
74	GLOBAL	Cartesian	-1.51359	0.	-5.00878
75	GLOBAL	Cartesian	-2.01279	0.	-4.92484
76	GLOBAL	Cartesian	-2.50742	0.	-4.81724
77	GLOBAL	Cartesian	-2.99637	0.	-4.68622
78	GLOBAL	Cartesian	-3.47854	0.	-4.53209
79	GLOBAL	Cartesian	-3.95283	0.	-4.35519
80	GLOBAL	Cartesian	-4.41816	0.	-4.15593
81	GLOBAL	Cartesian	-4.87348	0.	-3.93474
82	GLOBAL	Cartesian	-5.31776	0.	-3.69215
83	GLOBAL	Cartesian	-5.99817	0.	-3.26424
84	GLOBAL	Cartesian	-6.64432	0.	-2.78617

1.2. Element connectivity

Table 2: Connectivity - Frame

Table 2: Connectivity - Frame

Frame	JointI	JointJ	Length
			m
1	1	2	0.45101
2	2	3	0.45101
3	3	4	0.45101
4	4	5	0.45101
5	5	6	0.45101
6	6	7	0.47092
7	7	8	0.47092
8	8	9	0.47092
9	9	10	0.47092
10	10	11	0.47092
11	11	12	0.47092
12	12	13	0.47092
13	13	14	0.47092
14	14	15	0.47092
15	15	16	0.47092
16	16	17	0.47092
17	17	18	0.47092
18	18	19	0.47092
19	19	20	0.47092
20	20	21	0.47092
21	21	22	0.47092
22	22	23	0.516
23	23	24	0.516
24	24	25	0.516
25	25	26	0.516
26	26	27	0.516
27	27	28	0.516

Table 2: Connectivity - Frame

Frame	JointI	JointJ	Length m
28	28	29	0.516
29	29	30	0.516
30	30	31	0.516
31	31	32	0.516
32	32	33	0.516
33	33	34	0.516
34	34	35	0.516
35	35	36	0.516
36	36	37	0.47092
37	37	38	0.47092
38	38	39	0.47092
39	39	40	0.47092
40	40	41	0.47092
41	41	42	0.47092
42	42	43	0.47092
43	43	44	0.47092
44	44	45	0.47092
45	45	46	0.47092
46	46	47	0.47092
47	47	48	0.47092
48	48	49	0.47092
49	49	50	0.47092
50	50	51	0.47092
51	51	52	0.47092
52	52	53	0.45101
53	53	54	0.45101
54	54	55	0.45101
55	55	56	0.45101
56	56	57	0.45101
57	57	58	0.54664
58	58	59	0.80378
59	59	60	0.80378
60	60	61	0.5062
61	61	62	0.5062
62	62	63	0.5062
63	63	64	0.5062
64	64	65	0.5062
65	65	66	0.5062
66	66	67	0.5062
67	67	68	0.5062
68	68	69	0.5062
69	69	70	0.5062
70	70	71	0.5062
71	71	72	0.5062
72	72	73	0.5062
73	73	74	0.5062
74	74	75	0.5062
75	75	76	0.5062
76	76	77	0.5062
77	77	78	0.5062
78	78	79	0.5062
79	79	80	0.5062
80	80	81	0.5062
81	81	82	0.5062

Table 2: Connectivity - Frame

Frame	JointI	JointJ	Length m
82	82	83	0.80378
83	83	84	0.80378
84	84	1	0.54664

Table 3: Frame Section Assignments

Table 3: Frame Section Assignments

Frame	AnalSect	DesignSect	MatProp
1	C115	C115	Default
2	C105	C105	Default
3	C096	C096	Default
4	C092	C092	Default
5	C090	C090	Default
6	C090	C090	Default
7	C092	C092	Default
8	C096	C096	Default
9	C105	C105	Default
10	C117	C117	Default
11	C132	C132	Default
12	C150	C150	Default
13	C172	C172	Default
14	C172	C172	Default
15	C150	C150	Default
16	C132	C132	Default
17	C117	C117	Default
18	C105	C105	Default
19	C096	C096	Default
20	C092	C092	Default
21	C090	C090	Default
22	C090	C090	Default
23	C090	C090	Default
24	C090	C090	Default
25	C090	C090	Default
26	C090	C090	Default
27	C090	C090	Default
28	C090	C090	Default
29	C090	C090	Default
30	C090	C090	Default
31	C090	C090	Default
32	C090	C090	Default
33	C090	C090	Default
34	C090	C090	Default
35	C090	C090	Default
36	C090	C090	Default
37	C092	C092	Default
38	C096	C096	Default
39	C105	C105	Default
40	C117	C117	Default
41	C132	C132	Default
42	C150	C150	Default
43	C172	C172	Default

Table 3: Frame Section Assignments

Frame	AnalSect	DesignSect	MatProp
44	C172	C172	Default
45	C150	C150	Default
46	C132	C132	Default
47	C117	C117	Default
48	C105	C105	Default
49	C096	C096	Default
50	C092	C092	Default
51	C090	C090	Default
52	C090	C090	Default
53	C092	C092	Default
54	C096	C096	Default
55	C105	C105	Default
56	C115	C115	Default
57	C150	C150	Default
58	C150	C150	Default
59	C150	C150	Default
60	C100	C100	Default
61	C100	C100	Default
62	C100	C100	Default
63	C100	C100	Default
64	C100	C100	Default
65	C100	C100	Default
66	C100	C100	Default
67	C100	C100	Default
68	C100	C100	Default
69	C100	C100	Default
70	C100	C100	Default
71	C100	C100	Default
72	C100	C100	Default
73	C100	C100	Default
74	C100	C100	Default
75	C100	C100	Default
76	C100	C100	Default
77	C100	C100	Default
78	C100	C100	Default
79	C100	C100	Default
80	C100	C100	Default
81	C100	C100	Default
82	C150	C150	Default
83	C150	C150	Default
84	C150	C150	Default

2. Material properties

This section provides material property information for materials used in the model.

Table 4: Material Properties 02 - Basic Mechanical Properties

Table 4: 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	24855578.06	10356490.86	0.2	9.9000E-06
A416Gr270	7.6973E+01	7.8490E+00	196500599.9			1.1700E-05
A615Gr60	7.6973E+01	7.8490E+00	199947978.8			1.1700E-05
A992Fy50	7.6973E+01	7.8490E+00	199947978.8	76903068.77	0.3	1.1700E-05
C28/35	2.4993E+01	2.5485E+00	32308000.	13461666.67	0.2	1.0000E-05

Table 5: Material Properties 03a - Steel Data

Table 5: Material Properties 03a - Steel Data

Material	Fy	Fu	FinalSlope
	KN/m2	KN/m2	
A992Fy50	344737.89	448159.26	-0.1

Table 6: Material Properties 03b - Concrete Data

Table 6: Material Properties 03b - Concrete Data

Material	Fc	eFc	FinalSlope
	KN/m2	KN/m2	
4000Psi	27579.03	27579.03	-0.1
C28/35	28000.	28000.	-0.1

Table 7: Material Properties 03e - Rebar Data

Table 7: Material Properties 03e - Rebar Data

Material	Fy	Fu	FinalSlope
	KN/m2	KN/m2	
A615Gr60	413685.47	620528.21	-0.1

Table 8: Material Properties 03f - Tendon Data

Table 8: Material Properties 03f - Tendon Data

Material	Fy	Fu	FinalSlope
	KN/m2	KN/m2	
A416Gr270	1689905.16	1861584.63	-0.1

3. Section properties

This section provides section property information for objects used in the model.

3.1. Frames

Table 9: Frame Section Properties 01 - General, Part 1 of 4

Table 9: Frame Section Properties 01 - General, Part 1 of 4

SectionName	Material	Shape	t3	t2	tf	tw	t2b	tfb
			m	m	m	m	m	m
C090	C28/35	Rectangular	0.9	1.				
C092	C28/35	Rectangular	0.92	1.				
C096	C28/35	Rectangular	0.96	1.				
C100	C28/35	Rectangular	1.	1.				
C105	C28/35	Rectangular	1.05	1.				
C115	C28/35	Rectangular	1.15	1.				
C117	C28/35	Rectangular	1.17	1.				
C132	C28/35	Rectangular	1.32	1.				
C150	C28/35	Rectangular	1.5	1.				
C172	C28/35	Rectangular	1.72	1.				
W18X35	A992Fy50	I/Wide Flange	0.44958	0.1524	0.010795	0.00762	0.1524	0.010795

Table 9: Frame Section Properties 01 - General, Part 2 of 4

Table 9: Frame Section Properties 01 - General, Part 2 of 4

SectionName	Area	TorsConst	I33	I22	I23	AS2	AS3
	m2	m4	m4	m4	m4	m2	m2
C090	0.9	0.112752	0.06075	0.075	0.	0.75	0.75
C092	0.92	0.118101	0.064891	0.076667	0.	0.766667	0.766667
C096	0.96	0.129174	0.073728	0.08	0.	0.8	0.8
C100	1.	0.140833	0.083333	0.083333	0.	0.833333	0.833333
C105	1.05	0.154397	0.096469	0.0875	0.	0.875	0.875
C115	1.15	0.183339	0.12674	0.095833	0.	0.958333	0.958333
C117	1.17	0.189339	0.133468	0.0975	0.	0.975	0.975
C132	1.32	0.235764	0.191664	0.11	0.	1.1	1.1
C150	1.5	0.293457	0.28125	0.125	0.	1.25	1.25
C172	1.72	0.365333	0.424037	0.143333	0.	1.433333	1.433333
W18X35	0.006645	2.106E-07	0.000212	6.368E-06	0.	0.003426	0.002742

Table 9: Frame Section Properties 01 - General, Part 3 of 4

Table 9: Frame Section Properties 01 - General, Part 3 of 4

SectionName	S33	S22	Z33	Z22	R33	R22
	m3	m3	m3	m3	m	m
C090	0.135	0.15	0.2025	0.225	0.259808	0.288675
C092	0.141067	0.153333	0.2116	0.23	0.265581	0.288675
C096	0.1536	0.16	0.2304	0.24	0.277128	0.288675
C100	0.166667	0.166667	0.25	0.25	0.288675	0.288675
C105	0.18375	0.175	0.275625	0.2625	0.303109	0.288675
C115	0.220417	0.191667	0.330625	0.2875	0.331976	0.288675
C117	0.22815	0.195	0.342225	0.2925	0.33775	0.288675
C132	0.2904	0.22	0.4356	0.33	0.381051	0.288675
C150	0.375	0.25	0.5625	0.375	0.433013	0.288675
C172	0.493067	0.286667	0.7396	0.43	0.496521	0.288675
W18X35	0.000944	0.000084	0.00109	0.000132	0.178731	0.030957

Table 9: Frame Section Properties 01 - General, Part 4 of 4

Table 9: Frame Section Properties 01 - General, Part 4 of 4

SectionName	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod	MMod	WMod
C090	1.	1.	1.	1.	1.	1.	1.	1.
C092	1.	1.	1.	1.	1.	1.	1.	1.
C096	1.	1.	1.	1.	1.	1.	1.	1.
C100	1.	1.	1.	1.	1.	1.	1.	1.
C105	1.	1.	1.	1.	1.	1.	1.	1.
C115	1.	1.	1.	1.	1.	1.	1.	1.
C117	1.	1.	1.	1.	1.	1.	1.	1.
C132	1.	1.	1.	1.	1.	1.	1.	1.
C150	1.	1.	1.	1.	1.	1.	1.	1.
C172	1.	1.	1.	1.	1.	1.	1.	1.
W18X35	1.	1.	1.	1.	1.	1.	1.	1.

Table 10: Frame Section Properties 02 - Concrete Column, Part 1 of 2

Table 10: Frame Section Properties 02 - Concrete Column, Part 1 of 2

SectionName	RebarMatL	RebarMatC	ReinfConfig	LatReinf	Cover	NumBars3Dir	NumBars2Dir
					m		
C090	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C092	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C096	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C100	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C105	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C115	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C117	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C132	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C150	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3
C172	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3

Table 10: Frame Section Properties 02 - Concrete Column, Part 2 of 2

Table 10: Frame Section Properties 02 - Concrete Column, Part 2 of 2

SectionName	BarSizeL	BarSizeC	SpacingC	NumCBars2	NumCBars3
			m		
C090	#9	#4	0.15	3	3
C092	#9	#4	0.15	3	3
C096	#9	#4	0.15	3	3
C100	#9	#4	0.15	3	3
C105	#9	#4	0.15	3	3
C115	#9	#4	0.15	3	3
C117	#9	#4	0.15	3	3
C132	#9	#4	0.15	3	3
C150	#9	#4	0.15	3	3
C172	#9	#4	0.15	3	3

3.2. Areas

Table 11: Area Section Properties, Part 1 of 3

Table 11: Area Section Properties, Part 1 of 3

Section	Material	AreaType	Type	DrillDOF	Thickness	BendThick	F11Mod
					m	m	
ASEC1	4000Psi	Shell	Shell-Thin	Yes	0.25	0.25	1.

Table 11: Area Section Properties, Part 2 of 3

Table 11: Area Section Properties, Part 2 of 3

Section	F22Mod	F12Mod	M11Mod	M22Mod	M12Mod	V13Mod	V23Mod
ASEC1	1.	1.	1.	1.	1.	1.	1.

Table 11: Area Section Properties, Part 3 of 3

Table 11: Area Section Properties, Part 3 of 3

Section	MMod	WMod
ASEC1	1.	1.

3.3. Solids

Table 12: Solid Property Definitions

Table 12: Solid Property Definitions

SolidProp	Material	MatAngleA	MatAngleB	MatAngleC
		Degrees	Degrees	Degrees
Solid1	4000Psi	0.	0.	0.

4. Load patterns

This section provides loading information as applied to the model.

4.1. Definitions

Table 13: Load Pattern Definitions

Table 13: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad
PP	Dead	1.	
Ph_sx	Dead	0.	
Pv	Dead	0.	
Ph_dx	Dead	0.	

Table 13: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad
Sisma dx	Dead	0.	
Sisma sx	Dead	0.	
In_sx	Dead	0.	
In_dx	Dead	0.	

5. Load cases

This section provides load case information.

5.1. Definitions

Table 14: Load Case Definitions, Part 1 of 2

Table 14: Load Case Definitions, Part 1 of 2

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesActOpt
PP	NonStatic	Zero				Prog Det
Pv	NonStatic	Zero				Prog Det
Ph_sx	NonStatic	Zero				Prog Det
Ph_dx	NonStatic	Zero				Prog Det
Sisma sx	NonStatic	Zero				Prog Det
Sisma dx	NonStatic	Zero				Prog Det
In_sx	NonStatic	Zero				Prog Det
In_dx	NonStatic	Zero				Prog Det
SLE	NonStatic	Zero				Prog Det
SLU	NonStatic	Zero				Prog Det
SLV_DX_D	NonStatic	Zero				Prog Det
SLV_SX_D	NonStatic	Zero				Prog Det
SLV_DX_U	NonStatic	Zero				Prog Det
SLV_SX_U	NonStatic	Zero				Prog Det

Table 14: Load Case Definitions, Part 2 of 2

Table 14: Load Case Definitions, Part 2 of 2

Case	DesignAct
PP	Non-Composite
Pv	Non-Composite
Ph_sx	Non-Composite
Ph_dx	Non-Composite
Sisma sx	Non-Composite
Sisma dx	Non-Composite
In_sx	Non-Composite

Table 14: Load Case Definitions, Part 2 of 2

Case	DesignAct
In_dx	Non-Composite
SLE	Non-Composite
SLU	Non-Composite
SLV_DX_D	Non-Composite
SLV_SX_D	Non-Composite
SLV_DX_U	Non-Composite
SLV_SX_U	Non-Composite

5.2. Static case load assignments

Table 15: Case - Static 1 - Load Assignments

Table 15: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
PP	Load pattern	PP	1.
Pv	Load pattern	Pv	1.
Ph_sx	Load pattern	Ph_sx	1.
Ph_dx	Load pattern	Ph_dx	1.
Sisma sx	Load pattern	Sisma sx	1.
Sisma dx	Load pattern	Sisma dx	1.
In_sx	Load pattern	In_sx	1.
In_dx	Load pattern	In_dx	1.
SLE	Load pattern	Ph_sx	1.
SLE	Load pattern	Ph_dx	1.
SLE	Load pattern	Pv	1.
SLE	Load pattern	PP	1.
SLU	Load pattern	Ph_sx	1.3
SLU	Load pattern	Ph_dx	1.3
SLU	Load pattern	Pv	1.3
SLU	Load pattern	PP	1.3
SLV_DX_D	Load pattern	Ph_sx	1.
SLV_DX_D	Load pattern	Ph_dx	1.
SLV_DX_D	Load pattern	In_dx	0.38
SLV_DX_D	Load pattern	Pv	1.19
SLV_DX_D	Load pattern	Sisma dx	1.
SLV_DX_D	Load pattern	PP	1.19
SLV_SX_D	Load pattern	Ph_sx	1.
SLV_SX_D	Load pattern	Ph_dx	1.
SLV_SX_D	Load pattern	In_sx	0.38
SLV_SX_D	Load pattern	Pv	1.19
SLV_SX_D	Load pattern	Sisma sx	1.
SLV_SX_D	Load pattern	PP	1.19
SLV_DX_U	Load pattern	Ph_sx	1.

Table 15: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
SLV_DX_U	Load pattern	Ph_dx	1.
SLV_DX_U	Load pattern	In_dx	0.38
SLV_DX_U	Load pattern	Pv	0.81
SLV_DX_U	Load pattern	Sisma dx	1.
SLV_DX_U	Load pattern	PP	0.81
SLV_SX_U	Load pattern	Ph_sx	1.
SLV_SX_U	Load pattern	Ph_dx	1.
SLV_SX_U	Load pattern	In_sx	0.38
SLV_SX_U	Load pattern	Pv	0.81
SLV_SX_U	Load pattern	Sisma sx	1.
SLV_SX_U	Load pattern	PP	0.81

5.3. Response spectrum case load assignments

Table 16: Function - Response Spectrum - User

Table 16: Function - Response Spectrum - User

Name	Period	Accel	FuncDamp
	Sec		
UNIFRS	0.	1.	0.05
UNIFRS	1.	1.	

6. Structure results

This section provides structure results, including items such as structural periods and base reactions.

6.1. Mass summary

Table 17: Assembled Joint Masses, Part 1 of 2

Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
1	MSSSRC1	1.71	1.71	1.71	0.	0.	0.	-6.7342
2	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	-6.79382
3	MSSSRC1	1.16	1.16	1.16	0.	0.	0.	-6.84024
4	MSSSRC1	1.08	1.08	1.08	0.	0.	0.	-6.87343
5	MSSSRC1	1.05	1.05	1.05	0.	0.	0.	-6.89336
6	MSSSRC1	1.06	1.06	1.06	0.	0.	0.	-6.9
7	MSSSRC1	1.09	1.09	1.09	0.	0.	0.	-6.89322
8	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-6.87288
9	MSSSRC1	1.21	1.21	1.21	0.	0.	0.	-6.83901
10	MSSSRC1	1.33	1.33	1.33	0.	0.	0.	-6.79162
11	MSSSRC1	1.49	1.49	1.49	0.	0.	0.	-6.73077
12	MSSSRC1	1.69	1.69	1.69	0.	0.	0.	-6.65649
13	MSSSRC1	1.93	1.93	1.93	0.	0.	0.	-6.56886
14	MSSSRC1	2.06	2.06	2.06	0.	0.	0.	-6.46793

Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
15	MSSSRC1	1.93	1.93	1.93	0.	0.	0.	-6.12004
16	MSSSRC1	1.69	1.69	1.69	0.	0.	0.	-5.76315
17	MSSSRC1	1.49	1.49	1.49	0.	0.	0.	-5.39757
18	MSSSRC1	1.33	1.33	1.33	0.	0.	0.	-5.02358
19	MSSSRC1	1.21	1.21	1.21	0.	0.	0.	-4.64152
20	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-4.25168
21	MSSSRC1	1.09	1.09	1.09	0.	0.	0.	-3.8544
22	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	-3.45
23	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	-2.9938
24	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	-2.52085
25	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	-2.03381
26	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	-1.53539
27	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	-1.02839
28	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	-0.51564
29	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	0.
30	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	0.51564
31	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	1.02839
32	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	1.53539
33	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	2.03381
34	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	2.52085
35	MSSSRC1	1.18	1.18	1.18	0.	0.	0.	2.9938
36	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	3.45
37	MSSSRC1	1.09	1.09	1.09	0.	0.	0.	3.8544
38	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	4.25168
39	MSSSRC1	1.21	1.21	1.21	0.	0.	0.	4.64152
40	MSSSRC1	1.33	1.33	1.33	0.	0.	0.	5.02358
41	MSSSRC1	1.49	1.49	1.49	0.	0.	0.	5.39757
42	MSSSRC1	1.69	1.69	1.69	0.	0.	0.	5.76315
43	MSSSRC1	1.93	1.93	1.93	0.	0.	0.	6.12004
44	MSSSRC1	2.06	2.06	2.06	0.	0.	0.	6.46793
45	MSSSRC1	1.93	1.93	1.93	0.	0.	0.	6.56886
46	MSSSRC1	1.69	1.69	1.69	0.	0.	0.	6.65649
47	MSSSRC1	1.49	1.49	1.49	0.	0.	0.	6.73077
48	MSSSRC1	1.33	1.33	1.33	0.	0.	0.	6.79162
49	MSSSRC1	1.21	1.21	1.21	0.	0.	0.	6.83901
50	MSSSRC1	1.13	1.13	1.13	0.	0.	0.	6.87288
51	MSSSRC1	1.09	1.09	1.09	0.	0.	0.	6.89322
52	MSSSRC1	1.06	1.06	1.06	0.	0.	0.	6.9
53	MSSSRC1	1.05	1.05	1.05	0.	0.	0.	6.89336
54	MSSSRC1	1.08	1.08	1.08	0.	0.	0.	6.87343
55	MSSSRC1	1.16	1.16	1.16	0.	0.	0.	6.84024
56	MSSSRC1	1.26	1.26	1.26	0.	0.	0.	6.79382
57	MSSSRC1	1.71	1.71	1.71	0.	0.	0.	6.7342
58	MSSSRC1	2.58	2.58	2.58	0.	0.	0.	6.64432
59	MSSSRC1	3.07	3.07	3.07	0.	0.	0.	5.99817
60	MSSSRC1	2.18	2.18	2.18	0.	0.	0.	5.31776
61	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	4.87348
62	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	4.41816
63	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	3.95283
64	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	3.47854
65	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	2.99637
66	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	2.50742
67	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	2.01279
68	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	1.51359

Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
69	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	1.01097
70	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	0.50606
71	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	0.
72	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-0.50606
73	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-1.01097
74	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-1.51359
75	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-2.01279
76	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-2.50742
77	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-2.99637
78	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-3.47854
79	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-3.95283
80	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-4.41816
81	MSSSRC1	1.29	1.29	1.29	0.	0.	0.	-4.87348
82	MSSSRC1	2.18	2.18	2.18	0.	0.	0.	-5.31776
83	MSSSRC1	3.07	3.07	3.07	0.	0.	0.	-5.99817
84	MSSSRC1	2.58	2.58	2.58	0.	0.	0.	-6.64432
84~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.64432
1~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.7342
2~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.79382
3~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.84024
4~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.87343
5~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.89336
6~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.9
7~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.89322
8~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.87288
9~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.83901
10~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.79162
11~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.73077
12~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.65649
13~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.56886
14~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.46793
15~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-6.12004
16~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.76315
17~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.39757
18~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.02358
19~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.64152
20~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.25168
21~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.8544
22~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.45
23~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.9938
24~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.52085
25~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.03381
26~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.53539
27~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.02839
28~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-0.51564
29~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
30~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.51564
31~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.02839
32~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.53539
33~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.03381
34~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.52085
35~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.9938
36~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.45
37~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.8544

Table 17: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
38~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.25168
39~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.64152
40~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.02358
41~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.39757
42~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.76315
43~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.12004
44~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.46793
45~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.56886
46~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.65649
47~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.73077
48~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.79162
49~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.83901
50~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.87288
51~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.89322
52~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.9
53~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.89336
54~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.87343
55~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.84024
56~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.79382
57~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.7342
58~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	6.64432
59~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.99817
60~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	5.31776
61~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.87348
62~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	4.41816
63~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.95283
64~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.47854
65~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.99637
66~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.50742
67~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.01279
68~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.51359
69~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.01097
70~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.50606
71~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
72~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-0.50606
73~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.01097
74~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-1.51359
75~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.01279
76~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.50742
77~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-2.99637
78~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.47854
79~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-3.95283
80~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.41816
81~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-4.87348
82~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.31776
83~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	-5.99817
SumAccelUX	MSSSRC1	118.67	0.	0.	0.	0.	0.	-7.945E-17
SumAccelUY	MSSSRC1	0.	118.67	0.	0.	0.	0.	-7.945E-17
SumAccelUZ	MSSSRC1	0.	0.	118.67	0.	0.	0.	-7.945E-17

Table 17: Assembled Joint Masses, Part 2 of 2

Table 17: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
1	MSSSRC1	0.	-2.24697
2	MSSSRC1	0.	-1.79992
3	MSSSRC1	0.	-1.35131
4	MSSSRC1	0.	-0.90153
5	MSSSRC1	0.	-0.45096
6	MSSSRC1	0.	0.
7	MSSSRC1	0.	0.47087
8	MSSSRC1	0.	0.94136
9	MSSSRC1	0.	1.41106
10	MSSSRC1	0.	1.87959
11	MSSSRC1	0.	2.34656
12	MSSSRC1	0.	2.81159
13	MSSSRC1	0.	3.27428
14	MSSSRC1	0.	3.73426
15	MSSSRC1	0.	4.05165
16	MSSSRC1	0.	4.3589
17	MSSSRC1	0.	4.65574
18	MSSSRC1	0.	4.94193
19	MSSSRC1	0.	5.21723
20	MSSSRC1	0.	5.48141
21	MSSSRC1	0.	5.73427
22	MSSSRC1	0.	5.97558
23	MSSSRC1	0.	6.21669
24	MSSSRC1	0.	6.42303
25	MSSSRC1	0.	6.59345
26	MSSSRC1	0.	6.727
27	MSSSRC1	0.	6.82293
28	MSSSRC1	0.	6.88071
29	MSSSRC1	0.	6.9
30	MSSSRC1	0.	6.88071
31	MSSSRC1	0.	6.82293
32	MSSSRC1	0.	6.727
33	MSSSRC1	0.	6.59345
34	MSSSRC1	0.	6.42303
35	MSSSRC1	0.	6.21669
36	MSSSRC1	0.	5.97558
37	MSSSRC1	0.	5.73427
38	MSSSRC1	0.	5.48141
39	MSSSRC1	0.	5.21723
40	MSSSRC1	0.	4.94193
41	MSSSRC1	0.	4.65574
42	MSSSRC1	0.	4.3589
43	MSSSRC1	0.	4.05165
44	MSSSRC1	0.	3.73426
45	MSSSRC1	0.	3.27428
46	MSSSRC1	0.	2.81159
47	MSSSRC1	0.	2.34656
48	MSSSRC1	0.	1.87959
49	MSSSRC1	0.	1.41106
50	MSSSRC1	0.	0.94136
51	MSSSRC1	0.	0.47087
52	MSSSRC1	0.	0.
53	MSSSRC1	0.	-0.45096

Table 17: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
54	MSSSRC1	0.	-0.90153
55	MSSSRC1	0.	-1.35131
56	MSSSRC1	0.	-1.79992
57	MSSSRC1	0.	-2.24697
58	MSSSRC1	0.	-2.78617
59	MSSSRC1	0.	-3.26424
60	MSSSRC1	0.	-3.69215
61	MSSSRC1	0.	-3.93474
62	MSSSRC1	0.	-4.15593
63	MSSSRC1	0.	-4.35519
64	MSSSRC1	0.	-4.53209
65	MSSSRC1	0.	-4.68622
66	MSSSRC1	0.	-4.81724
67	MSSSRC1	0.	-4.92484
68	MSSSRC1	0.	-5.00878
69	MSSSRC1	0.	-5.06888
70	MSSSRC1	0.	-5.10499
71	MSSSRC1	0.	-5.11704
72	MSSSRC1	0.	-5.10499
73	MSSSRC1	0.	-5.06888
74	MSSSRC1	0.	-5.00878
75	MSSSRC1	0.	-4.92484
76	MSSSRC1	0.	-4.81724
77	MSSSRC1	0.	-4.68622
78	MSSSRC1	0.	-4.53209
79	MSSSRC1	0.	-4.35519
80	MSSSRC1	0.	-4.15593
81	MSSSRC1	0.	-3.93474
82	MSSSRC1	0.	-3.69215
83	MSSSRC1	0.	-3.26424
84	MSSSRC1	0.	-2.78617
84~Link	MSSSRC1	0.	-2.78617
1~Link	MSSSRC1	0.	-2.24697
2~Link	MSSSRC1	0.	-1.79992
3~Link	MSSSRC1	0.	-1.35131
4~Link	MSSSRC1	0.	-0.90153
5~Link	MSSSRC1	0.	-0.45096
6~Link	MSSSRC1	0.	0.
7~Link	MSSSRC1	0.	0.47087
8~Link	MSSSRC1	0.	0.94136
9~Link	MSSSRC1	0.	1.41106
10~Link	MSSSRC1	0.	1.87959
11~Link	MSSSRC1	0.	2.34656
12~Link	MSSSRC1	0.	2.81159
13~Link	MSSSRC1	0.	3.27428
14~Link	MSSSRC1	0.	3.73426
15~Link	MSSSRC1	0.	4.05165
16~Link	MSSSRC1	0.	4.3589
17~Link	MSSSRC1	0.	4.65574
18~Link	MSSSRC1	0.	4.94193
19~Link	MSSSRC1	0.	5.21723
20~Link	MSSSRC1	0.	5.48141
21~Link	MSSSRC1	0.	5.73427
22~Link	MSSSRC1	0.	5.97558

Table 17: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
23~Link	MSSSRC1	0.	6.21669
24~Link	MSSSRC1	0.	6.42303
25~Link	MSSSRC1	0.	6.59345
26~Link	MSSSRC1	0.	6.727
27~Link	MSSSRC1	0.	6.82293
28~Link	MSSSRC1	0.	6.88071
29~Link	MSSSRC1	0.	6.9
30~Link	MSSSRC1	0.	6.88071
31~Link	MSSSRC1	0.	6.82293
32~Link	MSSSRC1	0.	6.727
33~Link	MSSSRC1	0.	6.59345
34~Link	MSSSRC1	0.	6.42303
35~Link	MSSSRC1	0.	6.21669
36~Link	MSSSRC1	0.	5.97558
37~Link	MSSSRC1	0.	5.73427
38~Link	MSSSRC1	0.	5.48141
39~Link	MSSSRC1	0.	5.21723
40~Link	MSSSRC1	0.	4.94193
41~Link	MSSSRC1	0.	4.65574
42~Link	MSSSRC1	0.	4.3589
43~Link	MSSSRC1	0.	4.05165
44~Link	MSSSRC1	0.	3.73426
45~Link	MSSSRC1	0.	3.27428
46~Link	MSSSRC1	0.	2.81159
47~Link	MSSSRC1	0.	2.34656
48~Link	MSSSRC1	0.	1.87959
49~Link	MSSSRC1	0.	1.41106
50~Link	MSSSRC1	0.	0.94136
51~Link	MSSSRC1	0.	0.47087
52~Link	MSSSRC1	0.	0.
53~Link	MSSSRC1	0.	-0.45096
54~Link	MSSSRC1	0.	-0.90153
55~Link	MSSSRC1	0.	-1.35131
56~Link	MSSSRC1	0.	-1.79992
57~Link	MSSSRC1	0.	-2.24697
58~Link	MSSSRC1	0.	-2.78617
59~Link	MSSSRC1	0.	-3.26424
60~Link	MSSSRC1	0.	-3.69215
61~Link	MSSSRC1	0.	-3.93474
62~Link	MSSSRC1	0.	-4.15593
63~Link	MSSSRC1	0.	-4.35519
64~Link	MSSSRC1	0.	-4.53209
65~Link	MSSSRC1	0.	-4.68622
66~Link	MSSSRC1	0.	-4.81724
67~Link	MSSSRC1	0.	-4.92484
68~Link	MSSSRC1	0.	-5.00878
69~Link	MSSSRC1	0.	-5.06888
70~Link	MSSSRC1	0.	-5.10499
71~Link	MSSSRC1	0.	-5.11704
72~Link	MSSSRC1	0.	-5.10499
73~Link	MSSSRC1	0.	-5.06888
74~Link	MSSSRC1	0.	-5.00878
75~Link	MSSSRC1	0.	-4.92484
76~Link	MSSSRC1	0.	-4.81724

Table 17: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
77~Link	MSSSRC1	0.	-4.68622
78~Link	MSSSRC1	0.	-4.53209
79~Link	MSSSRC1	0.	-4.35519
80~Link	MSSSRC1	0.	-4.15593
81~Link	MSSSRC1	0.	-3.93474
82~Link	MSSSRC1	0.	-3.69215
83~Link	MSSSRC1	0.	-3.26424
SumAccelUX	MSSSRC1	0.	0.59935
SumAccelUY	MSSSRC1	0.	0.59935
SumAccelUZ	MSSSRC1	0.	0.59935

6.2. Base reactions

Table 18: Base Reactions

Table 18: Base Reactions

OutputCase	StepType	GlobalFX	GlobalFY	GlobalFZ	GlobalMX	GlobalMY	GlobalMZ
		KN	KN	KN	KN-m	KN-m	KN-m
SLE	Max	-127.043	-1.120E-13	2478.961	-5.050E-13	411.3218	1.700E-16
SLE	Min	-127.043	-1.120E-13	2478.961	-5.050E-13	411.3218	1.700E-16
SLU	Max	-165.155	-1.456E-13	3222.649	-6.565E-13	534.7184	2.210E-16
SLU	Min	-165.155	-1.456E-13	3222.649	-6.565E-13	534.7184	2.210E-16
SLV_DX_D	Max	1351.297	-1.784E-13	2950.078	-8.240E-13	2940.2877	2.067E-13
SLV_DX_D	Min	1351.297	-1.784E-13	2950.078	-8.240E-13	2940.2877	2.067E-13
SLV_SX_D	Max	-1605.42	-1.879E-13	2950.082	-8.704E-13	-1853.0212	-2.346E-13
SLV_SX_D	Min	-1605.42	-1.879E-13	2950.082	-8.704E-13	-1853.0212	-2.346E-13
SLV_DX_U	Max	1351.371	-1.614E-13	2008.049	-7.542E-13	2675.7015	2.437E-13
SLV_DX_U	Min	1351.371	-1.614E-13	2008.049	-7.542E-13	2675.7015	2.437E-13
SLV_SX_U	Max	-1605.502	-1.725E-13	2008.05	-8.064E-13	-2117.7192	-2.696E-13
SLV_SX_U	Min	-1605.502	-1.725E-13	2008.05	-8.064E-13	-2117.7192	-2.696E-13

7. Joint results

This section provides joint results, including items such as displacements and reactions.

Table 19: Joint Displacements, Part 1 of 2

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
1	SLE	Max	-0.000571	0.	-0.002058	0.	-0.000302
1	SLE	Min	-0.000571	0.	-0.002058	0.	-0.000302
1	SLU	Max	-0.000742	0.	-0.002675	0.	-0.000392
1	SLU	Min	-0.000742	0.	-0.002675	0.	-0.000392
1	SLV_DX_D	Max	-0.002811	0.	-0.002082	0.	-0.000264
1	SLV_DX_D	Min	-0.002811	0.	-0.002082	0.	-0.000264
1	SLV_SX_D	Max	0.003883	0.	-0.001409	0.	0.000475
1	SLV_SX_D	Min	0.003883	0.	-0.001409	0.	0.000475

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
1	SLV_DX_U	Max	-0.002933	0.	-0.001002	0.	-5.120E-06
1	SLV_DX_U	Min	-0.002933	0.	-0.001002	0.	-5.120E-06
1	SLV_SX_U	Max	0.005401	0.	-0.000287	0.	0.000828
1	SLV_SX_U	Min	0.005401	0.	-0.000287	0.	0.000828
2	SLE	Max	-0.000693	0.	-0.002087	0.	-0.000263
2	SLE	Min	-0.000693	0.	-0.002087	0.	-0.000263
2	SLU	Max	-0.0009	0.	-0.002713	0.	-0.000342
2	SLU	Min	-0.0009	0.	-0.002713	0.	-0.000342
2	SLV_DX_D	Max	-0.002908	0.	-0.002113	0.	-0.000237
2	SLV_DX_D	Min	-0.002908	0.	-0.002113	0.	-0.000237
2	SLV_SX_D	Max	0.004129	0.	-0.001391	0.	0.000543
2	SLV_SX_D	Min	0.004129	0.	-0.001391	0.	0.000543
2	SLV_DX_U	Max	-0.002916	0.	-0.001013	0.	6.395E-06
2	SLV_DX_U	Min	-0.002916	0.	-0.001013	0.	6.395E-06
2	SLV_SX_U	Max	0.005805	0.	-0.000244	0.	0.00088
2	SLV_SX_U	Min	0.005805	0.	-0.000244	0.	0.00088
3	SLE	Max	-0.000796	0.	-0.002112	0.	-0.000218
3	SLE	Min	-0.000796	0.	-0.002112	0.	-0.000218
3	SLU	Max	-0.001035	0.	-0.002745	0.	-0.000283
3	SLU	Min	-0.001035	0.	-0.002745	0.	-0.000283
3	SLV_DX_D	Max	-0.002998	0.	-0.002141	0.	-0.000222
3	SLV_DX_D	Min	-0.002998	0.	-0.002141	0.	-0.000222
3	SLV_SX_D	Max	0.004405	0.	-0.001378	0.	0.000604
3	SLV_SX_D	Min	0.004405	0.	-0.001378	0.	0.000604
3	SLV_DX_U	Max	-0.0029	0.	-0.001025	0.	-2.808E-06
3	SLV_DX_U	Min	-0.0029	0.	-0.001025	0.	-2.808E-06
3	SLV_SX_U	Max	0.006228	0.	-0.00021	0.	0.000914
3	SLV_SX_U	Min	0.006228	0.	-0.00021	0.	0.000914
4	SLE	Max	-0.000879	0.	-0.002133	0.	-0.000163
4	SLE	Min	-0.000879	0.	-0.002133	0.	-0.000163
4	SLU	Max	-0.001142	0.	-0.002773	0.	-0.000212
4	SLU	Min	-0.001142	0.	-0.002773	0.	-0.000212
4	SLV_DX_D	Max	-0.003086	0.	-0.002168	0.	-0.000223
4	SLV_DX_D	Min	-0.003086	0.	-0.002168	0.	-0.000223
4	SLV_SX_D	Max	0.004704	0.	-0.001373	0.	0.000652
4	SLV_SX_D	Min	0.004704	0.	-0.001373	0.	0.000652
4	SLV_DX_U	Max	-0.002896	0.	-0.00104	0.	-0.000042
4	SLV_DX_U	Min	-0.002896	0.	-0.00104	0.	-0.000042
4	SLV_SX_U	Max	0.006661	0.	-0.00019	0.	0.000918
4	SLV_SX_U	Min	0.006661	0.	-0.00019	0.	0.000918
5	SLE	Max	-0.000937	0.	-0.002151	0.	-0.000104
5	SLE	Min	-0.000937	0.	-0.002151	0.	-0.000104
5	SLU	Max	-0.001218	0.	-0.002797	0.	-0.000136
5	SLU	Min	-0.001218	0.	-0.002797	0.	-0.000136
5	SLV_DX_D	Max	-0.003182	0.	-0.002193	0.	-0.000244
5	SLV_DX_D	Min	-0.003182	0.	-0.002193	0.	-0.000244
5	SLV_SX_D	Max	0.005018	0.	-0.001376	0.	0.000674
5	SLV_SX_D	Min	0.005018	0.	-0.001376	0.	0.000674
5	SLV_DX_U	Max	-0.002919	0.	-0.001056	0.	-0.00011
5	SLV_DX_U	Min	-0.002919	0.	-0.001056	0.	-0.00011
5	SLV_SX_U	Max	0.007085	0.	-0.000183	0.	0.000883
5	SLV_SX_U	Min	0.007085	0.	-0.000183	0.	0.000883
6	SLE	Max	-0.000969	0.	-0.002168	0.	-0.000044
6	SLE	Min	-0.000969	0.	-0.002168	0.	-0.000044

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
6	SLU	Max	-0.00126	0.	-0.002818	0.	-0.000057
6	SLU	Min	-0.00126	0.	-0.002818	0.	-0.000057
6	SLV_DX_D	Max	-0.003295	0.	-0.002215	0.	-0.000283
6	SLV_DX_D	Min	-0.003295	0.	-0.002215	0.	-0.000283
6	SLV_SX_D	Max	0.005333	0.	-0.001389	0.	0.000668
6	SLV_SX_D	Min	0.005333	0.	-0.001389	0.	0.000668
6	SLV_DX_U	Max	-0.002982	0.	-0.001072	0.	-0.000203
6	SLV_DX_U	Min	-0.002982	0.	-0.001072	0.	-0.000203
6	SLV_SX_U	Max	0.007483	0.	-0.000188	0.	0.000809
6	SLV_SX_U	Min	0.007483	0.	-0.000188	0.	0.000809
7	SLE	Max	-0.000976	0.	-0.002184	0.	0.000019
7	SLE	Min	-0.000976	0.	-0.002184	0.	0.000019
7	SLU	Max	-0.001269	0.	-0.002839	0.	0.000024
7	SLU	Min	-0.001269	0.	-0.002839	0.	0.000024
7	SLV_DX_D	Max	-0.003437	0.	-0.002234	0.	-0.000332
7	SLV_DX_D	Min	-0.003437	0.	-0.002234	0.	-0.000332
7	SLV_SX_D	Max	0.005651	0.	-0.001411	0.	0.000637
7	SLV_SX_D	Min	0.005651	0.	-0.001411	0.	0.000637
7	SLV_DX_U	Max	-0.003099	0.	-0.001086	0.	-0.000314
7	SLV_DX_U	Min	-0.003099	0.	-0.001086	0.	-0.000314
7	SLV_SX_U	Max	0.007851	0.	-0.000205	0.	0.0007
7	SLV_SX_U	Min	0.007851	0.	-0.000205	0.	0.0007
8	SLE	Max	-0.000955	0.	-0.0022	0.	0.00008
8	SLE	Min	-0.000955	0.	-0.0022	0.	0.00008
8	SLU	Max	-0.001242	0.	-0.00286	0.	0.000104
8	SLU	Min	-0.001242	0.	-0.00286	0.	0.000104
8	SLV_DX_D	Max	-0.003606	0.	-0.002248	0.	-0.000381
8	SLV_DX_D	Min	-0.003606	0.	-0.002248	0.	-0.000381
8	SLV_SX_D	Max	0.005946	0.	-0.001441	0.	0.000588
8	SLV_SX_D	Min	0.005946	0.	-0.001441	0.	0.000588
8	SLV_DX_U	Max	-0.003271	0.	-0.001094	0.	-0.000424
8	SLV_DX_U	Min	-0.003271	0.	-0.001094	0.	-0.000424
8	SLV_SX_U	Max	0.00816	0.	-0.000229	0.	0.000573
8	SLV_SX_U	Min	0.00816	0.	-0.000229	0.	0.000573
9	SLE	Max	-0.000908	0.	-0.002219	0.	0.000137
9	SLE	Min	-0.000908	0.	-0.002219	0.	0.000137
9	SLU	Max	-0.00118	0.	-0.002884	0.	0.000179
9	SLU	Min	-0.00118	0.	-0.002884	0.	0.000179
9	SLV_DX_D	Max	-0.003799	0.	-0.002254	0.	-0.00042
9	SLV_DX_D	Min	-0.003799	0.	-0.002254	0.	-0.00042
9	SLV_SX_D	Max	0.006213	0.	-0.001476	0.	0.000532
9	SLV_SX_D	Min	0.006213	0.	-0.001476	0.	0.000532
9	SLV_DX_U	Max	-0.003496	0.	-0.001092	0.	-0.00052
9	SLV_DX_U	Min	-0.003496	0.	-0.001092	0.	-0.00052
9	SLV_SX_U	Max	0.008405	0.	-0.000257	0.	0.000446
9	SLV_SX_U	Min	0.008405	0.	-0.000257	0.	0.000446
10	SLE	Max	-0.000837	0.	-0.002239	0.	0.000186
10	SLE	Min	-0.000837	0.	-0.002239	0.	0.000186
10	SLU	Max	-0.001088	0.	-0.002911	0.	0.000242
10	SLU	Min	-0.001088	0.	-0.002911	0.	0.000242
10	SLV_DX_D	Max	-0.004009	0.	-0.00225	0.	-0.000441
10	SLV_DX_D	Min	-0.004009	0.	-0.00225	0.	-0.000441
10	SLV_SX_D	Max	0.006452	0.	-0.001514	0.	0.000484
10	SLV_SX_D	Min	0.006452	0.	-0.001514	0.	0.000484

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
10	SLV_DX_U	Max	-0.003762	0.	-0.001078	0.	-0.000587
10	SLV_DX_U	Min	-0.003762	0.	-0.001078	0.	-0.000587
10	SLV_SX_U	Max	0.008592	0.	-0.000286	0.	0.000341
10	SLV_SX_U	Min	0.008592	0.	-0.000286	0.	0.000341
11	SLE	Max	-0.000746	0.	-0.002263	0.	0.000225
11	SLE	Min	-0.000746	0.	-0.002263	0.	0.000225
11	SLU	Max	-0.000969	0.	-0.002942	0.	0.000293
11	SLU	Min	-0.000969	0.	-0.002942	0.	0.000293
11	SLV_DX_D	Max	-0.004227	0.	-0.002238	0.	-0.000447
11	SLV_DX_D	Min	-0.004227	0.	-0.002238	0.	-0.000447
11	SLV_SX_D	Max	0.006668	0.	-0.001555	0.	0.000448
11	SLV_SX_D	Min	0.006668	0.	-0.001555	0.	0.000448
11	SLV_DX_U	Max	-0.004055	0.	-0.001052	0.	-0.000628
11	SLV_DX_U	Min	-0.004055	0.	-0.001052	0.	-0.000628
11	SLV_SX_U	Max	0.008732	0.	-0.000312	0.	0.000262
11	SLV_SX_U	Min	0.008732	0.	-0.000312	0.	0.000262
12	SLE	Max	-0.000639	0.	-0.002291	0.	0.000256
12	SLE	Min	-0.000639	0.	-0.002291	0.	0.000256
12	SLU	Max	-0.00083	0.	-0.002978	0.	0.000333
12	SLU	Min	-0.00083	0.	-0.002978	0.	0.000333
12	SLV_DX_D	Max	-0.004446	0.	-0.002217	0.	-0.000441
12	SLV_DX_D	Min	-0.004446	0.	-0.002217	0.	-0.000441
12	SLV_SX_D	Max	0.006868	0.	-0.001598	0.	0.000424
12	SLV_SX_D	Min	0.006868	0.	-0.001598	0.	0.000424
12	SLV_DX_U	Max	-0.004362	0.	-0.001014	0.	-0.000647
12	SLV_DX_U	Min	-0.004362	0.	-0.001014	0.	-0.000647
12	SLV_SX_U	Max	0.008839	0.	-0.000337	0.	0.000208
12	SLV_SX_U	Min	0.008839	0.	-0.000337	0.	0.000208
13	SLE	Max	-0.00052	0.	-0.002322	0.	0.00028
13	SLE	Min	-0.00052	0.	-0.002322	0.	0.00028
13	SLU	Max	-0.000676	0.	-0.003019	0.	0.000364
13	SLU	Min	-0.000676	0.	-0.003019	0.	0.000364
13	SLV_DX_D	Max	-0.004661	0.	-0.002189	0.	-0.000429
13	SLV_DX_D	Min	-0.004661	0.	-0.002189	0.	-0.000429
13	SLV_SX_D	Max	0.007056	0.	-0.001643	0.	0.000409
13	SLV_SX_D	Min	0.007056	0.	-0.001643	0.	0.000409
13	SLV_DX_U	Max	-0.004676	0.	-0.000964	0.	-0.000652
13	SLV_DX_U	Min	-0.004676	0.	-0.000964	0.	-0.000652
13	SLV_SX_U	Max	0.008923	0.	-0.000359	0.	0.000173
13	SLV_SX_U	Min	0.008923	0.	-0.000359	0.	0.000173
14	SLE	Max	-0.000392	0.	-0.002358	0.	0.000298
14	SLE	Min	-0.000392	0.	-0.002358	0.	0.000298
14	SLU	Max	-0.000509	0.	-0.003065	0.	0.000387
14	SLU	Min	-0.000509	0.	-0.003065	0.	0.000387
14	SLV_DX_D	Max	-0.004869	0.	-0.002155	0.	-0.000413
14	SLV_DX_D	Min	-0.004869	0.	-0.002155	0.	-0.000413
14	SLV_SX_D	Max	0.007236	0.	-0.001691	0.	0.000401
14	SLV_SX_D	Min	0.007236	0.	-0.001691	0.	0.000401
14	SLV_DX_U	Max	-0.004988	0.	-0.000903	0.	-0.000649
14	SLV_DX_U	Min	-0.004988	0.	-0.000903	0.	-0.000649
14	SLV_SX_U	Max	0.008993	0.	-0.00038	0.	0.000152
14	SLV_SX_U	Min	0.008993	0.	-0.00038	0.	0.000152
15	SLE	Max	-0.000294	0.	-0.002475	0.	0.000314
15	SLE	Min	-0.000294	0.	-0.002475	0.	0.000314

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
15	SLU	Max	-0.000382	0.	-0.003218	0.	0.000408
15	SLU	Min	-0.000382	0.	-0.003218	0.	0.000408
15	SLV_DX_D	Max	-0.005002	0.	-0.002026	0.	-0.000395
15	SLV_DX_D	Min	-0.005002	0.	-0.002026	0.	-0.000395
15	SLV_SX_D	Max	0.007362	0.	-0.00184	0.	0.000392
15	SLV_SX_D	Min	0.007362	0.	-0.00184	0.	0.000392
15	SLV_DX_U	Max	-0.005199	0.	-0.000687	0.	-0.000642
15	SLV_DX_U	Min	-0.005199	0.	-0.000687	0.	-0.000642
15	SLV_SX_U	Max	0.009036	0.	-0.000435	0.	0.000131
15	SLV_SX_U	Min	0.009036	0.	-0.000435	0.	0.000131
16	SLE	Max	-0.000195	0.	-0.002601	0.	0.00033
16	SLE	Min	-0.000195	0.	-0.002601	0.	0.00033
16	SLU	Max	-0.000254	0.	-0.003381	0.	0.000429
16	SLU	Min	-0.000254	0.	-0.003381	0.	0.000429
16	SLV_DX_D	Max	-0.005126	0.	-0.001901	0.	-0.000374
16	SLV_DX_D	Min	-0.005126	0.	-0.001901	0.	-0.000374
16	SLV_SX_D	Max	0.007477	0.	-0.001987	0.	0.000371
16	SLV_SX_D	Min	0.007477	0.	-0.001987	0.	0.000371
16	SLV_DX_U	Max	-0.005401	0.	-0.000467	0.	-0.000633
16	SLV_DX_U	Min	-0.005401	0.	-0.000467	0.	-0.000633
16	SLV_SX_U	Max	0.009068	0.	-0.000482	0.	0.000097
16	SLV_SX_U	Min	0.009068	0.	-0.000482	0.	0.000097
17	SLE	Max	-0.000096	0.	-0.002736	0.	0.000344
17	SLE	Min	-0.000096	0.	-0.002736	0.	0.000344
17	SLU	Max	-0.000125	0.	-0.003557	0.	0.000448
17	SLU	Min	-0.000125	0.	-0.003557	0.	0.000448
17	SLV_DX_D	Max	-0.00524	0.	-0.001782	0.	-0.000348
17	SLV_DX_D	Min	-0.00524	0.	-0.001782	0.	-0.000348
17	SLV_SX_D	Max	0.007578	0.	-0.002126	0.	0.000334
17	SLV_SX_D	Min	0.007578	0.	-0.002126	0.	0.000334
17	SLV_DX_U	Max	-0.005596	0.	-0.000245	0.	-0.000621
17	SLV_DX_U	Min	-0.005596	0.	-0.000245	0.	-0.000621
17	SLV_SX_U	Max	0.009083	0.	-0.000513	0.	0.000045
17	SLV_SX_U	Min	0.009083	0.	-0.000513	0.	0.000045
18	SLE	Max	1.564E-06	0.	-0.002878	0.	0.000353
18	SLE	Min	1.564E-06	0.	-0.002878	0.	0.000353
18	SLU	Max	2.034E-06	0.	-0.003741	0.	0.000459
18	SLU	Min	2.034E-06	0.	-0.003741	0.	0.000459
18	SLV_DX_D	Max	-0.005345	0.	-0.00167	0.	-0.000317
18	SLV_DX_D	Min	-0.005345	0.	-0.00167	0.	-0.000317
18	SLV_SX_D	Max	0.007659	0.	-0.002249	0.	0.000274
18	SLV_SX_D	Min	0.007659	0.	-0.002249	0.	0.000274
18	SLV_DX_U	Max	-0.005782	0.	-0.000024	0.	-0.000604
18	SLV_DX_U	Min	-0.005782	0.	-0.000024	0.	-0.000604
18	SLV_SX_U	Max	0.009078	0.	-0.00052	0.	-0.000028
18	SLV_SX_U	Min	0.009078	0.	-0.00052	0.	-0.000028
19	SLE	Max	0.000095	0.	-0.003024	0.	0.000352
19	SLE	Min	0.000095	0.	-0.003024	0.	0.000352
19	SLU	Max	0.000124	0.	-0.003931	0.	0.000458
19	SLU	Min	0.000124	0.	-0.003931	0.	0.000458
19	SLV_DX_D	Max	-0.005439	0.	-0.001568	0.	-0.000282
19	SLV_DX_D	Min	-0.005439	0.	-0.001568	0.	-0.000282
19	SLV_SX_D	Max	0.007713	0.	-0.002345	0.	0.000187
19	SLV_SX_D	Min	0.007713	0.	-0.002345	0.	0.000187

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
19	SLV_DX_U	Max	-0.005957	0.	0.000195	0.	-0.00058
19	SLV_DX_U	Min	-0.005957	0.	0.000195	0.	-0.00058
19	SLV_SX_U	Max	0.009047	0.	-0.000493	0.	-0.000125
19	SLV_SX_U	Min	0.009047	0.	-0.000493	0.	-0.000125
20	SLE	Max	0.000182	0.	-0.003169	0.	0.000338
20	SLE	Min	0.000182	0.	-0.003169	0.	0.000338
20	SLU	Max	0.000236	0.	-0.00412	0.	0.000439
20	SLU	Min	0.000236	0.	-0.00412	0.	0.000439
20	SLV_DX_D	Max	-0.005521	0.	-0.001477	0.	-0.000241
20	SLV_DX_D	Min	-0.005521	0.	-0.001477	0.	-0.000241
20	SLV_SX_D	Max	0.007736	0.	-0.002402	0.	0.000073
20	SLV_SX_D	Min	0.007736	0.	-0.002402	0.	0.000073
20	SLV_DX_U	Max	-0.00612	0.	0.000408	0.	-0.000545
20	SLV_DX_U	Min	-0.00612	0.	0.000408	0.	-0.000545
20	SLV_SX_U	Max	0.008985	0.	-0.000422	0.	-0.00024
20	SLV_SX_U	Min	0.008985	0.	-0.000422	0.	-0.00024
21	SLE	Max	0.000257	0.	-0.003307	0.	0.000309
21	SLE	Min	0.000257	0.	-0.003307	0.	0.000309
21	SLU	Max	0.000335	0.	-0.004299	0.	0.000402
21	SLU	Min	0.000335	0.	-0.004299	0.	0.000402
21	SLV_DX_D	Max	-0.005591	0.	-0.0014	0.	-0.000199
21	SLV_DX_D	Min	-0.005591	0.	-0.0014	0.	-0.000199
21	SLV_SX_D	Max	0.007725	0.	-0.00241	0.	-0.00005
21	SLV_SX_D	Min	0.007725	0.	-0.00241	0.	-0.00005
21	SLV_DX_U	Max	-0.006267	0.	0.00061	0.	-0.000498
21	SLV_DX_U	Min	-0.006267	0.	0.00061	0.	-0.000498
21	SLV_SX_U	Max	0.008895	0.	-0.000303	0.	-0.000354
21	SLV_SX_U	Min	0.008895	0.	-0.000303	0.	-0.000354
22	SLE	Max	0.00032	0.	-0.003431	0.	0.00027
22	SLE	Min	0.00032	0.	-0.003431	0.	0.00027
22	SLU	Max	0.000416	0.	-0.004461	0.	0.000351
22	SLU	Min	0.000416	0.	-0.004461	0.	0.000351
22	SLV_DX_D	Max	-0.005649	0.	-0.001337	0.	-0.000153
22	SLV_DX_D	Min	-0.005649	0.	-0.001337	0.	-0.000153
22	SLV_SX_D	Max	0.007682	0.	-0.002367	0.	-0.000168
22	SLV_SX_D	Min	0.007682	0.	-0.002367	0.	-0.000168
22	SLV_DX_U	Max	-0.006396	0.	0.000795	0.	-0.00044
22	SLV_DX_U	Min	-0.006396	0.	0.000795	0.	-0.00044
22	SLV_SX_U	Max	0.008782	0.	-0.000136	0.	-0.000453
22	SLV_SX_U	Min	0.008782	0.	-0.000136	0.	-0.000453
23	SLE	Max	0.000371	0.	-0.00355	0.	0.000222
23	SLE	Min	0.000371	0.	-0.00355	0.	0.000222
23	SLU	Max	0.000482	0.	-0.004615	0.	0.000288
23	SLU	Min	0.000482	0.	-0.004615	0.	0.000288
23	SLV_DX_D	Max	-0.005697	0.	-0.001287	0.	-0.0001
23	SLV_DX_D	Min	-0.005697	0.	-0.001287	0.	-0.0001
23	SLV_SX_D	Max	0.00761	0.	-0.002265	0.	-0.000276
23	SLV_SX_D	Min	0.00761	0.	-0.002265	0.	-0.000276
23	SLV_DX_U	Max	-0.00651	0.	0.000975	0.	-0.000364
23	SLV_DX_U	Min	-0.00651	0.	0.000975	0.	-0.000364
23	SLV_SX_U	Max	0.008644	0.	0.000094	0.	-0.000531
23	SLV_SX_U	Min	0.008644	0.	0.000094	0.	-0.000531
24	SLE	Max	0.000402	0.	-0.003648	0.	0.000169
24	SLE	Min	0.000402	0.	-0.003648	0.	0.000169

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
24	SLU	Max	0.000523	0.	-0.004743	0.	0.00022
24	SLU	Min	0.000523	0.	-0.004743	0.	0.00022
24	SLV_DX_D	Max	-0.00573	0.	-0.00126	0.	-0.000045
24	SLV_DX_D	Min	-0.00573	0.	-0.00126	0.	-0.000045
24	SLV_SX_D	Max	0.007525	0.	-0.002111	0.	-0.00036
24	SLV_SX_D	Min	0.007525	0.	-0.002111	0.	-0.00036
24	SLV_DX_U	Max	-0.006593	0.	0.001123	0.	-0.000277
24	SLV_DX_U	Min	-0.006593	0.	0.001123	0.	-0.000277
24	SLV_SX_U	Max	0.008511	0.	0.000362	0.	-0.000575
24	SLV_SX_U	Min	0.008511	0.	0.000362	0.	-0.000575
25	SLE	Max	0.000417	0.	-0.003721	0.	0.000115
25	SLE	Min	0.000417	0.	-0.003721	0.	0.000115
25	SLU	Max	0.000542	0.	-0.004838	0.	0.000149
25	SLU	Min	0.000542	0.	-0.004838	0.	0.000149
25	SLV_DX_D	Max	-0.00575	0.	-0.001258	0.	0.00001
25	SLV_DX_D	Min	-0.00575	0.	-0.001258	0.	0.00001
25	SLV_SX_D	Max	0.00744	0.	-0.001917	0.	-0.00042
25	SLV_SX_D	Min	0.00744	0.	-0.001917	0.	-0.00042
25	SLV_DX_U	Max	-0.006649	0.	0.001232	0.	-0.000183
25	SLV_DX_U	Min	-0.006649	0.	0.001232	0.	-0.000183
25	SLV_SX_U	Max	0.008393	0.	0.000653	0.	-0.000588
25	SLV_SX_U	Min	0.008393	0.	0.000653	0.	-0.000588
26	SLE	Max	0.000419	0.	-0.003767	0.	0.000059
26	SLE	Min	0.000419	0.	-0.003767	0.	0.000059
26	SLU	Max	0.000545	0.	-0.004898	0.	0.000077
26	SLU	Min	0.000545	0.	-0.004898	0.	0.000077
26	SLV_DX_D	Max	-0.005762	0.	-0.001282	0.	0.000063
26	SLV_DX_D	Min	-0.005762	0.	-0.001282	0.	0.000063
26	SLV_SX_D	Max	0.007362	0.	-0.001693	0.	-0.000454
26	SLV_SX_D	Min	0.007362	0.	-0.001693	0.	-0.000454
26	SLV_DX_U	Max	-0.006684	0.	0.001295	0.	-0.000085
26	SLV_DX_U	Min	-0.006684	0.	0.001295	0.	-0.000085
26	SLV_SX_U	Max	0.008297	0.	0.000949	0.	-0.00057
26	SLV_SX_U	Min	0.008297	0.	0.000949	0.	-0.00057
27	SLE	Max	0.000413	0.	-0.003785	0.	3.828E-06
27	SLE	Min	0.000413	0.	-0.003785	0.	3.828E-06
27	SLU	Max	0.000536	0.	-0.00492	0.	4.976E-06
27	SLU	Min	0.000536	0.	-0.00492	0.	4.976E-06
27	SLV_DX_D	Max	-0.005771	0.	-0.001332	0.	0.000112
27	SLV_DX_D	Min	-0.005771	0.	-0.001332	0.	0.000112
27	SLV_SX_D	Max	0.007299	0.	-0.001454	0.	-0.000463
27	SLV_SX_D	Min	0.007299	0.	-0.001454	0.	-0.000463
27	SLV_DX_U	Max	-0.006704	0.	0.00131	0.	0.000013
27	SLV_DX_U	Min	-0.006704	0.	0.00131	0.	0.000013
27	SLV_SX_U	Max	0.008227	0.	0.001235	0.	-0.000525
27	SLV_SX_U	Min	0.008227	0.	0.001235	0.	-0.000525
28	SLE	Max	0.000401	0.	-0.003773	0.	-0.00005
28	SLE	Min	0.000401	0.	-0.003773	0.	-0.00005
28	SLU	Max	0.000522	0.	-0.004905	0.	-0.000065
28	SLU	Min	0.000522	0.	-0.004905	0.	-0.000065
28	SLV_DX_D	Max	-0.00578	0.	-0.001405	0.	0.000155
28	SLV_DX_D	Min	-0.00578	0.	-0.001405	0.	0.000155
28	SLV_SX_D	Max	0.007254	0.	-0.001213	0.	-0.000449
28	SLV_SX_D	Min	0.007254	0.	-0.001213	0.	-0.000449

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
28	SLV_DX_U	Max	-0.006716	0.	0.001275	0.	0.000109
28	SLV_DX_U	Min	-0.006716	0.	0.001275	0.	0.000109
28	SLV_SX_U	Max	0.008181	0.	0.001494	0.	-0.000456
28	SLV_SX_U	Min	0.008181	0.	0.001494	0.	-0.000456
29	SLE	Max	0.00039	0.	-0.003733	0.	-0.0001
29	SLE	Min	0.00039	0.	-0.003733	0.	-0.0001
29	SLU	Max	0.000507	0.	-0.004853	0.	-0.00013
29	SLU	Min	0.000507	0.	-0.004853	0.	-0.00013
29	SLV_DX_D	Max	-0.005794	0.	-0.001499	0.	0.00019
29	SLV_DX_D	Min	-0.005794	0.	-0.001499	0.	0.00019
29	SLV_SX_D	Max	0.007228	0.	-0.000982	0.	-0.000414
29	SLV_SX_D	Min	0.007228	0.	-0.000982	0.	-0.000414
29	SLV_DX_U	Max	-0.00673	0.	0.001192	0.	0.000198
29	SLV_DX_U	Min	-0.00673	0.	0.001192	0.	0.000198
29	SLV_SX_U	Max	0.008155	0.	0.001713	0.	-0.000366
29	SLV_SX_U	Min	0.008155	0.	0.001713	0.	-0.000366
30	SLE	Max	0.000383	0.	-0.003667	0.	-0.000147
30	SLE	Min	0.000383	0.	-0.003667	0.	-0.000147
30	SLU	Max	0.000497	0.	-0.004767	0.	-0.000191
30	SLU	Min	0.000497	0.	-0.004767	0.	-0.000191
30	SLV_DX_D	Max	-0.005816	0.	-0.001607	0.	0.000214
30	SLV_DX_D	Min	-0.005816	0.	-0.001607	0.	0.000214
30	SLV_SX_D	Max	0.007217	0.	-0.000775	0.	-0.000361
30	SLV_SX_D	Min	0.007217	0.	-0.000775	0.	-0.000361
30	SLV_DX_U	Max	-0.006751	0.	0.001065	0.	0.000278
30	SLV_DX_U	Min	-0.006751	0.	0.001065	0.	0.000278
30	SLV_SX_U	Max	0.008144	0.	0.00188	0.	-0.000259
30	SLV_SX_U	Min	0.008144	0.	0.00188	0.	-0.000259
31	SLE	Max	0.000383	0.	-0.003578	0.	-0.000189
31	SLE	Min	0.000383	0.	-0.003578	0.	-0.000189
31	SLU	Max	0.000498	0.	-0.004651	0.	-0.000245
31	SLU	Min	0.000498	0.	-0.004651	0.	-0.000245
31	SLV_DX_D	Max	-0.005846	0.	-0.001724	0.	0.000227
31	SLV_DX_D	Min	-0.005846	0.	-0.001724	0.	0.000227
31	SLV_SX_D	Max	0.007218	0.	-0.000599	0.	-0.000291
31	SLV_SX_D	Min	0.007218	0.	-0.000599	0.	-0.000291
31	SLV_DX_U	Max	-0.006785	0.	0.000901	0.	0.000344
31	SLV_DX_U	Min	-0.006785	0.	0.000901	0.	0.000344
31	SLV_SX_U	Max	0.008139	0.	0.001989	0.	-0.000139
31	SLV_SX_U	Min	0.008139	0.	0.001989	0.	-0.000139
32	SLE	Max	0.000393	0.	-0.003469	0.	-0.000225
32	SLE	Min	0.000393	0.	-0.003469	0.	-0.000225
32	SLU	Max	0.000511	0.	-0.004509	0.	-0.000292
32	SLU	Min	0.000511	0.	-0.004509	0.	-0.000292
32	SLV_DX_D	Max	-0.005885	0.	-0.001841	0.	0.000225
32	SLV_DX_D	Min	-0.005885	0.	-0.001841	0.	0.000225
32	SLV_SX_D	Max	0.007224	0.	-0.000465	0.	-0.000207
32	SLV_SX_D	Min	0.007224	0.	-0.000465	0.	-0.000207
32	SLV_DX_U	Max	-0.006837	0.	0.000709	0.	0.000392
32	SLV_DX_U	Min	-0.006837	0.	0.000709	0.	0.000392
32	SLV_SX_U	Max	0.008129	0.	0.002033	0.	-0.000012
32	SLV_SX_U	Min	0.008129	0.	0.002033	0.	-0.000012
33	SLE	Max	0.000416	0.	-0.003344	0.	-0.000255
33	SLE	Min	0.000416	0.	-0.003344	0.	-0.000255

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
33	SLU	Max	0.000541	0.	-0.004347	0.	-0.000331
33	SLU	Min	0.000541	0.	-0.004347	0.	-0.000331
33	SLV_DX_D	Max	-0.005932	0.	-0.001951	0.	0.000208
33	SLV_DX_D	Min	-0.005932	0.	-0.001951	0.	0.000208
33	SLV_SX_D	Max	0.007228	0.	-0.000376	0.	-0.000114
33	SLV_SX_D	Min	0.007228	0.	-0.000376	0.	-0.000114
33	SLV_DX_U	Max	-0.006908	0.	0.000502	0.	0.00042
33	SLV_DX_U	Min	-0.006908	0.	0.000502	0.	0.00042
33	SLV_SX_U	Max	0.008105	0.	0.002012	0.	0.000119
33	SLV_SX_U	Min	0.008105	0.	0.002012	0.	0.000119
34	SLE	Max	0.000452	0.	-0.003208	0.	-0.000278
34	SLE	Min	0.000452	0.	-0.003208	0.	-0.000278
34	SLU	Max	0.000588	0.	-0.00417	0.	-0.000361
34	SLU	Min	0.000588	0.	-0.00417	0.	-0.000361
34	SLV_DX_D	Max	-0.005982	0.	-0.002046	0.	0.000174
34	SLV_DX_D	Min	-0.005982	0.	-0.002046	0.	0.000174
34	SLV_SX_D	Max	0.007221	0.	-0.000337	0.	-0.000014
34	SLV_SX_D	Min	0.007221	0.	-0.000337	0.	-0.000014
34	SLV_DX_U	Max	-0.006998	0.	0.000292	0.	0.000424
34	SLV_DX_U	Min	-0.006998	0.	0.000292	0.	0.000424
34	SLV_SX_U	Max	0.008056	0.	0.001927	0.	0.00025
34	SLV_SX_U	Min	0.008056	0.	0.001927	0.	0.00025
35	SLE	Max	0.000503	0.	-0.003066	0.	-0.000294
35	SLE	Min	0.000503	0.	-0.003066	0.	-0.000294
35	SLU	Max	0.000654	0.	-0.003985	0.	-0.000382
35	SLU	Min	0.000654	0.	-0.003985	0.	-0.000382
35	SLV_DX_D	Max	-0.00603	0.	-0.002116	0.	0.000122
35	SLV_DX_D	Min	-0.00603	0.	-0.002116	0.	0.000122
35	SLV_SX_D	Max	0.007195	0.	-0.000346	0.	0.000089
35	SLV_SX_D	Min	0.007195	0.	-0.000346	0.	0.000089
35	SLV_DX_U	Max	-0.0071	0.	0.000091	0.	0.000403
35	SLV_DX_U	Min	-0.0071	0.	0.000091	0.	0.000403
35	SLV_SX_U	Max	0.007973	0.	0.001783	0.	0.000376
35	SLV_SX_U	Min	0.007973	0.	0.001783	0.	0.000376
36	SLE	Max	0.000566	0.	-0.002922	0.	-0.000302
36	SLE	Min	0.000566	0.	-0.002922	0.	-0.000302
36	SLU	Max	0.000736	0.	-0.003799	0.	-0.000393
36	SLU	Min	0.000736	0.	-0.003799	0.	-0.000393
36	SLV_DX_D	Max	-0.006068	0.	-0.002156	0.	0.000053
36	SLV_DX_D	Min	-0.006068	0.	-0.002156	0.	0.000053
36	SLV_SX_D	Max	0.007143	0.	-0.000401	0.	0.000191
36	SLV_SX_D	Min	0.007143	0.	-0.000401	0.	0.000191
36	SLV_DX_U	Max	-0.007209	0.	-0.000085	0.	0.000355
36	SLV_DX_U	Min	-0.007209	0.	-0.000085	0.	0.000355
36	SLV_SX_U	Max	0.00785	0.	0.00159	0.	0.000492
36	SLV_SX_U	Min	0.00785	0.	0.00159	0.	0.000492
37	SLE	Max	0.000632	0.	-0.002792	0.	-0.000303
37	SLE	Min	0.000632	0.	-0.002792	0.	-0.000303
37	SLU	Max	0.000822	0.	-0.003629	0.	-0.000394
37	SLU	Min	0.000822	0.	-0.003629	0.	-0.000394
37	SLV_DX_D	Max	-0.006086	0.	-0.002159	0.	-0.000025
37	SLV_DX_D	Min	-0.006086	0.	-0.002159	0.	-0.000025
37	SLV_SX_D	Max	0.007069	0.	-0.000488	0.	0.000282
37	SLV_SX_D	Min	0.007069	0.	-0.000488	0.	0.000282

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
37	SLV_DX_U	Max	-0.007302	0.	-0.000217	0.	0.000287
37	SLV_DX_U	Min	-0.007302	0.	-0.000217	0.	0.000287
37	SLV_SX_U	Max	0.007703	0.	0.001376	0.	0.000587
37	SLV_SX_U	Min	0.007703	0.	0.001376	0.	0.000587
38	SLE	Max	0.000702	0.	-0.002663	0.	-0.000295
38	SLE	Min	0.000702	0.	-0.002663	0.	-0.000295
38	SLU	Max	0.000912	0.	-0.003462	0.	-0.000384
38	SLU	Min	0.000912	0.	-0.003462	0.	-0.000384
38	SLV_DX_D	Max	-0.006082	0.	-0.002128	0.	-0.000107
38	SLV_DX_D	Min	-0.006082	0.	-0.002128	0.	-0.000107
38	SLV_SX_D	Max	0.006971	0.	-0.000607	0.	0.000366
38	SLV_SX_D	Min	0.006971	0.	-0.000607	0.	0.000366
38	SLV_DX_U	Max	-0.007378	0.	-0.000316	0.	0.000206
38	SLV_DX_U	Min	-0.007378	0.	-0.000316	0.	0.000206
38	SLV_SX_U	Max	0.007528	0.	0.001132	0.	0.000667
38	SLV_SX_U	Min	0.007528	0.	0.001132	0.	0.000667
39	SLE	Max	0.000772	0.	-0.002541	0.	-0.000279
39	SLE	Min	0.000772	0.	-0.002541	0.	-0.000279
39	SLU	Max	0.001004	0.	-0.003304	0.	-0.000363
39	SLU	Min	0.001004	0.	-0.003304	0.	-0.000363
39	SLV_DX_D	Max	-0.006055	0.	-0.002066	0.	-0.000183
39	SLV_DX_D	Min	-0.006055	0.	-0.002066	0.	-0.000183
39	SLV_SX_D	Max	0.00685	0.	-0.000753	0.	0.00044
39	SLV_SX_D	Min	0.00685	0.	-0.000753	0.	0.00044
39	SLV_DX_U	Max	-0.007433	0.	-0.000379	0.	0.000121
39	SLV_DX_U	Min	-0.007433	0.	-0.000379	0.	0.000121
39	SLV_SX_U	Max	0.007329	0.	0.000866	0.	0.000729
39	SLV_SX_U	Min	0.007329	0.	0.000866	0.	0.000729
40	SLE	Max	0.000842	0.	-0.002428	0.	-0.000258
40	SLE	Min	0.000842	0.	-0.002428	0.	-0.000258
40	SLU	Max	0.001095	0.	-0.003157	0.	-0.000335
40	SLU	Min	0.001095	0.	-0.003157	0.	-0.000335
40	SLV_DX_D	Max	-0.006005	0.	-0.001977	0.	-0.000241
40	SLV_DX_D	Min	-0.006005	0.	-0.001977	0.	-0.000241
40	SLV_SX_D	Max	0.006708	0.	-0.000921	0.	0.000498
40	SLV_SX_D	Min	0.006708	0.	-0.000921	0.	0.000498
40	SLV_DX_U	Max	-0.007466	0.	-0.000408	0.	0.000048
40	SLV_DX_U	Min	-0.007466	0.	-0.000408	0.	0.000048
40	SLV_SX_U	Max	0.007108	0.	0.000586	0.	0.000772
40	SLV_SX_U	Min	0.007108	0.	0.000586	0.	0.000772
41	SLE	Max	0.000909	0.	-0.002326	0.	-0.000234
41	SLE	Min	0.000909	0.	-0.002326	0.	-0.000234
41	SLU	Max	0.001182	0.	-0.003024	0.	-0.000304
41	SLU	Min	0.001182	0.	-0.003024	0.	-0.000304
41	SLV_DX_D	Max	-0.005937	0.	-0.001871	0.	-0.000281
41	SLV_DX_D	Min	-0.005937	0.	-0.001871	0.	-0.000281
41	SLV_SX_D	Max	0.006548	0.	-0.001105	0.	0.000542
41	SLV_SX_D	Min	0.006548	0.	-0.001105	0.	0.000542
41	SLV_DX_U	Max	-0.007479	0.	-0.000412	0.	-7.989E-06
41	SLV_DX_U	Min	-0.007479	0.	-0.000412	0.	-7.989E-06
41	SLV_SX_U	Max	0.006871	0.	0.000298	0.	0.0008
41	SLV_SX_U	Min	0.006871	0.	0.000298	0.	0.0008
42	SLE	Max	0.000973	0.	-0.002234	0.	-0.000211
42	SLE	Min	0.000973	0.	-0.002234	0.	-0.000211

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
42	SLU	Max	0.001265	0.	-0.002905	0.	-0.000275
42	SLU	Min	0.001265	0.	-0.002905	0.	-0.000275
42	SLV_DX_D	Max	-0.005854	0.	-0.001755	0.	-0.000304
42	SLV_DX_D	Min	-0.005854	0.	-0.001755	0.	-0.000304
42	SLV_SX_D	Max	0.006373	0.	-0.001298	0.	0.000575
42	SLV_SX_D	Min	0.006373	0.	-0.001298	0.	0.000575
42	SLV_DX_U	Max	-0.007476	0.	-0.000398	0.	-0.000048
42	SLV_DX_U	Min	-0.007476	0.	-0.000398	0.	-0.000048
42	SLV_SX_U	Max	0.006621	0.	9.348E-06	0.	0.000818
42	SLV_SX_U	Min	0.006621	0.	9.348E-06	0.	0.000818
43	SLE	Max	0.001034	0.	-0.002153	0.	-0.00019
43	SLE	Min	0.001034	0.	-0.002153	0.	-0.00019
43	SLU	Max	0.001344	0.	-0.002799	0.	-0.000248
43	SLU	Min	0.001344	0.	-0.002799	0.	-0.000248
43	SLV_DX_D	Max	-0.005761	0.	-0.001635	0.	-0.000317
43	SLV_DX_D	Min	-0.005761	0.	-0.001635	0.	-0.000317
43	SLV_SX_D	Max	0.006185	0.	-0.001497	0.	0.0006
43	SLV_SX_D	Min	0.006185	0.	-0.001497	0.	0.0006
43	SLV_DX_U	Max	-0.007461	0.	-0.000371	0.	-0.000074
43	SLV_DX_U	Min	-0.007461	0.	-0.000371	0.	-0.000074
43	SLV_SX_U	Max	0.006359	0.	-0.000278	0.	0.00083
43	SLV_SX_U	Min	0.006359	0.	-0.000278	0.	0.00083
44	SLE	Max	0.001091	0.	-0.00208	0.	-0.000173
44	SLE	Min	0.001091	0.	-0.00208	0.	-0.000173
44	SLU	Max	0.001418	0.	-0.002705	0.	-0.000224
44	SLU	Min	0.001418	0.	-0.002705	0.	-0.000224
44	SLV_DX_D	Max	-0.005661	0.	-0.001514	0.	-0.000321
44	SLV_DX_D	Min	-0.005661	0.	-0.001514	0.	-0.000321
44	SLV_SX_D	Max	0.005985	0.	-0.001699	0.	0.000618
44	SLV_SX_D	Min	0.005985	0.	-0.001699	0.	0.000618
44	SLV_DX_U	Max	-0.007437	0.	-0.000337	0.	-0.000091
44	SLV_DX_U	Min	-0.007437	0.	-0.000337	0.	-0.000091
44	SLV_SX_U	Max	0.006088	0.	-0.000562	0.	0.000837
44	SLV_SX_U	Min	0.006088	0.	-0.000562	0.	0.000837
45	SLE	Max	0.00116	0.	-0.002058	0.	-0.000154
45	SLE	Min	0.00116	0.	-0.002058	0.	-0.000154
45	SLU	Max	0.001508	0.	-0.002676	0.	-0.000201
45	SLU	Min	0.001508	0.	-0.002676	0.	-0.000201
45	SLV_DX_D	Max	-0.005518	0.	-0.001476	0.	-0.000325
45	SLV_DX_D	Min	-0.005518	0.	-0.001476	0.	-0.000325
45	SLV_SX_D	Max	0.005681	0.	-0.001755	0.	0.000632
45	SLV_SX_D	Min	0.005681	0.	-0.001755	0.	0.000632
45	SLV_DX_U	Max	-0.007397	0.	-0.000323	0.	-0.000107
45	SLV_DX_U	Min	-0.007397	0.	-0.000323	0.	-0.000107
45	SLV_SX_U	Max	0.005686	0.	-0.000641	0.	0.00084
45	SLV_SX_U	Min	0.005686	0.	-0.000641	0.	0.00084
46	SLE	Max	0.00122	0.	-0.002039	0.	-0.000131
46	SLE	Min	0.00122	0.	-0.002039	0.	-0.000131
46	SLU	Max	0.001586	0.	-0.00265	0.	-0.000171
46	SLU	Min	0.001586	0.	-0.00265	0.	-0.000171
46	SLV_DX_D	Max	-0.005371	0.	-0.001439	0.	-0.000335
46	SLV_DX_D	Min	-0.005371	0.	-0.001439	0.	-0.000335
46	SLV_SX_D	Max	0.005371	0.	-0.001802	0.	0.000641
46	SLV_SX_D	Min	0.005371	0.	-0.001802	0.	0.000641

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
46	SLV_DX_U	Max	-0.007345	0.	-0.000308	0.	-0.000137
46	SLV_DX_U	Min	-0.007345	0.	-0.000308	0.	-0.000137
46	SLV_SX_U	Max	0.005285	0.	-0.000708	0.	0.000831
46	SLV_SX_U	Min	0.005285	0.	-0.000708	0.	0.000831
47	SLE	Max	0.001268	0.	-0.002021	0.	-0.000103
47	SLE	Min	0.001268	0.	-0.002021	0.	-0.000103
47	SLU	Max	0.001648	0.	-0.002628	0.	-0.000134
47	SLU	Min	0.001648	0.	-0.002628	0.	-0.000134
47	SLV_DX_D	Max	-0.005215	0.	-0.001404	0.	-0.000352
47	SLV_DX_D	Min	-0.005215	0.	-0.001404	0.	-0.000352
47	SLV_SX_D	Max	0.005059	0.	-0.001839	0.	0.000639
47	SLV_SX_D	Min	0.005059	0.	-0.001839	0.	0.000639
47	SLV_DX_U	Max	-0.007274	0.	-0.00029	0.	-0.000183
47	SLV_DX_U	Min	-0.007274	0.	-0.00029	0.	-0.000183
47	SLV_SX_U	Max	0.004892	0.	-0.000761	0.	0.000805
47	SLV_SX_U	Min	0.004892	0.	-0.000761	0.	0.000805
48	SLE	Max	0.001302	0.	-0.002006	0.	-0.000069
48	SLE	Min	0.001302	0.	-0.002006	0.	-0.000069
48	SLU	Max	0.001693	0.	-0.002608	0.	-0.00009
48	SLU	Min	0.001693	0.	-0.002608	0.	-0.00009
48	SLV_DX_D	Max	-0.005047	0.	-0.001371	0.	-0.00038
48	SLV_DX_D	Min	-0.005047	0.	-0.001371	0.	-0.00038
48	SLV_SX_D	Max	0.004753	0.	-0.001863	0.	0.000619
48	SLV_SX_D	Min	0.004753	0.	-0.001863	0.	0.000619
48	SLV_DX_U	Max	-0.007174	0.	-0.000269	0.	-0.000251
48	SLV_DX_U	Min	-0.007174	0.	-0.000269	0.	-0.000251
48	SLV_SX_U	Max	0.004518	0.	-0.000798	0.	0.000752
48	SLV_SX_U	Min	0.004518	0.	-0.000798	0.	0.000752
49	SLE	Max	0.00132	0.	-0.001992	0.	-0.00003
49	SLE	Min	0.00132	0.	-0.001992	0.	-0.00003
49	SLU	Max	0.001716	0.	-0.00259	0.	-0.000039
49	SLU	Min	0.001716	0.	-0.00259	0.	-0.000039
49	SLV_DX_D	Max	-0.00486	0.	-0.001339	0.	-0.000419
49	SLV_DX_D	Min	-0.00486	0.	-0.001339	0.	-0.000419
49	SLV_SX_D	Max	0.004464	0.	-0.001876	0.	0.000575
49	SLV_SX_D	Min	0.004464	0.	-0.001876	0.	0.000575
49	SLV_DX_U	Max	-0.007033	0.	-0.000246	0.	-0.000345
49	SLV_DX_U	Min	-0.007033	0.	-0.000246	0.	-0.000345
49	SLV_SX_U	Max	0.004178	0.	-0.00082	0.	0.000665
49	SLV_SX_U	Min	0.004178	0.	-0.00082	0.	0.000665
50	SLE	Max	0.00132	0.	-0.001978	0.	0.000013
50	SLE	Min	0.00132	0.	-0.001978	0.	0.000013
50	SLU	Max	0.001716	0.	-0.002572	0.	0.000017
50	SLU	Min	0.001716	0.	-0.002572	0.	0.000017
50	SLV_DX_D	Max	-0.00465	0.	-0.00131	0.	-0.000466
50	SLV_DX_D	Min	-0.00465	0.	-0.00131	0.	-0.000466
50	SLV_SX_D	Max	0.004205	0.	-0.001876	0.	0.000505
50	SLV_SX_D	Min	0.004205	0.	-0.001876	0.	0.000505
50	SLV_DX_U	Max	-0.00684	0.	-0.000223	0.	-0.00046
50	SLV_DX_U	Min	-0.00684	0.	-0.000223	0.	-0.00046
50	SLV_SX_U	Max	0.003891	0.	-0.000827	0.	0.000542
50	SLV_SX_U	Min	0.003891	0.	-0.000827	0.	0.000542
51	SLE	Max	0.001301	0.	-0.001965	0.	0.000056
51	SLE	Min	0.001301	0.	-0.001965	0.	0.000056

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
51	SLU	Max	0.001691	0.	-0.002554	0.	0.000073
51	SLU	Min	0.001691	0.	-0.002554	0.	0.000073
51	SLV_DX_D	Max	-0.004415	0.	-0.001284	0.	-0.00051
51	SLV_DX_D	Min	-0.004415	0.	-0.001284	0.	-0.00051
51	SLV_SX_D	Max	0.003985	0.	-0.001866	0.	0.00042
51	SLV_SX_D	Min	0.003985	0.	-0.001866	0.	0.00042
51	SLV_DX_U	Max	-0.006588	0.	-0.000202	0.	-0.000576
51	SLV_DX_U	Min	-0.006588	0.	-0.000202	0.	-0.000576
51	SLV_SX_U	Max	0.00367	0.	-0.000822	0.	0.0004
51	SLV_SX_U	Min	0.00367	0.	-0.000822	0.	0.0004
52	SLE	Max	0.001263	0.	-0.001951	0.	0.000099
52	SLE	Min	0.001263	0.	-0.001951	0.	0.000099
52	SLU	Max	0.001642	0.	-0.002536	0.	0.000129
52	SLU	Min	0.001642	0.	-0.002536	0.	0.000129
52	SLV_DX_D	Max	-0.004159	0.	-0.001265	0.	-0.00054
52	SLV_DX_D	Min	-0.004159	0.	-0.001265	0.	-0.00054
52	SLV_SX_D	Max	0.003811	0.	-0.001849	0.	0.000333
52	SLV_SX_D	Min	0.003811	0.	-0.001849	0.	0.000333
52	SLV_DX_U	Max	-0.006281	0.	-0.000188	0.	-0.000679
52	SLV_DX_U	Min	-0.006281	0.	-0.000188	0.	-0.000679
52	SLV_SX_U	Max	0.003521	0.	-0.00081	0.	0.000256
52	SLV_SX_U	Min	0.003521	0.	-0.00081	0.	0.000256
53	SLE	Max	0.00121	0.	-0.001936	0.	0.00014
53	SLE	Min	0.00121	0.	-0.001936	0.	0.00014
53	SLU	Max	0.001573	0.	-0.002516	0.	0.000182
53	SLU	Min	0.001573	0.	-0.002516	0.	0.000182
53	SLV_DX_D	Max	-0.003903	0.	-0.001253	0.	-0.000549
53	SLV_DX_D	Min	-0.003903	0.	-0.001253	0.	-0.000549
53	SLV_SX_D	Max	0.003685	0.	-0.001828	0.	0.000259
53	SLV_SX_D	Min	0.003685	0.	-0.001828	0.	0.000259
53	SLV_DX_U	Max	-0.005945	0.	-0.000182	0.	-0.000751
53	SLV_DX_U	Min	-0.005945	0.	-0.000182	0.	-0.000751
53	SLV_SX_U	Max	0.003442	0.	-0.000794	0.	0.000132
53	SLV_SX_U	Min	0.003442	0.	-0.000794	0.	0.000132
54	SLE	Max	0.00114	0.	-0.001918	0.	0.00018
54	SLE	Min	0.00114	0.	-0.001918	0.	0.00018
54	SLU	Max	0.001482	0.	-0.002494	0.	0.000234
54	SLU	Min	0.001482	0.	-0.002494	0.	0.000234
54	SLV_DX_D	Max	-0.003646	0.	-0.001249	0.	-0.000534
54	SLV_DX_D	Min	-0.003646	0.	-0.001249	0.	-0.000534
54	SLV_SX_D	Max	0.00359	0.	-0.001804	0.	0.000207
54	SLV_SX_D	Min	0.00359	0.	-0.001804	0.	0.000207
54	SLV_DX_U	Max	-0.005582	0.	-0.000188	0.	-0.000789
54	SLV_DX_U	Min	-0.005582	0.	-0.000188	0.	-0.000789
54	SLV_SX_U	Max	0.003416	0.	-0.000778	0.	0.000038
54	SLV_SX_U	Min	0.003416	0.	-0.000778	0.	0.000038
55	SLE	Max	0.001054	0.	-0.001898	0.	0.000219
55	SLE	Min	0.001054	0.	-0.001898	0.	0.000219
55	SLU	Max	0.00137	0.	-0.002468	0.	0.000285
55	SLU	Min	0.00137	0.	-0.002468	0.	0.000285
55	SLV_DX_D	Max	-0.003399	0.	-0.001252	0.	-0.000496
55	SLV_DX_D	Min	-0.003399	0.	-0.001252	0.	-0.000496
55	SLV_SX_D	Max	0.003516	0.	-0.00178	0.	0.000181
55	SLV_SX_D	Min	0.003516	0.	-0.00178	0.	0.000181

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
55	SLV_DX_U	Max	-0.005208	0.	-0.000206	0.	-0.000791
55	SLV_DX_U	Min	-0.005208	0.	-0.000206	0.	-0.000791
55	SLV_SX_U	Max	0.003428	0.	-0.000765	0.	-0.000022
55	SLV_SX_U	Min	0.003428	0.	-0.000765	0.	-0.000022
56	SLE	Max	0.000952	0.	-0.001875	0.	0.000253
56	SLE	Min	0.000952	0.	-0.001875	0.	0.000253
56	SLU	Max	0.001238	0.	-0.002437	0.	0.000329
56	SLU	Min	0.001238	0.	-0.002437	0.	0.000329
56	SLV_DX_D	Max	-0.003172	0.	-0.001262	0.	-0.000446
56	SLV_DX_D	Min	-0.003172	0.	-0.001262	0.	-0.000446
56	SLV_SX_D	Max	0.00345	0.	-0.001755	0.	0.00018
56	SLV_SX_D	Min	0.00345	0.	-0.001755	0.	0.00018
56	SLV_DX_U	Max	-0.00484	0.	-0.000234	0.	-0.000765
56	SLV_DX_U	Min	-0.00484	0.	-0.000234	0.	-0.000765
56	SLV_SX_U	Max	0.00346	0.	-0.000755	0.	-0.000045
56	SLV_SX_U	Min	0.00346	0.	-0.000755	0.	-0.000045
57	SLE	Max	0.000837	0.	-0.001847	0.	0.000283
57	SLE	Min	0.000837	0.	-0.001847	0.	0.000283
57	SLU	Max	0.001089	0.	-0.002401	0.	0.000368
57	SLU	Min	0.001089	0.	-0.002401	0.	0.000368
57	SLV_DX_D	Max	-0.002969	0.	-0.001275	0.	-0.000389
57	SLV_DX_D	Min	-0.002969	0.	-0.001275	0.	-0.000389
57	SLV_SX_D	Max	0.003382	0.	-0.00173	0.	0.000197
57	SLV_SX_D	Min	0.003382	0.	-0.00173	0.	0.000197
57	SLV_DX_U	Max	-0.004488	0.	-0.000272	0.	-0.000722
57	SLV_DX_U	Min	-0.004488	0.	-0.000272	0.	-0.000722
57	SLV_SX_U	Max	0.003497	0.	-0.000747	0.	-0.000041
57	SLV_SX_U	Min	0.003497	0.	-0.000747	0.	-0.000041
58	SLE	Max	0.000685	0.	-0.00181	0.	0.000303
58	SLE	Min	0.000685	0.	-0.00181	0.	0.000303
58	SLU	Max	0.00089	0.	-0.002353	0.	0.000394
58	SLU	Min	0.00089	0.	-0.002353	0.	0.000394
58	SLV_DX_D	Max	-0.002754	0.	-0.001298	0.	-0.000345
58	SLV_DX_D	Min	-0.002754	0.	-0.001298	0.	-0.000345
58	SLV_SX_D	Max	0.003287	0.	-0.001698	0.	0.000219
58	SLV_SX_D	Min	0.003287	0.	-0.001698	0.	0.000219
58	SLV_DX_U	Max	-0.004089	0.	-0.000329	0.	-0.000682
58	SLV_DX_U	Min	-0.004089	0.	-0.000329	0.	-0.000682
58	SLV_SX_U	Max	0.003535	0.	-0.000741	0.	-0.000024
58	SLV_SX_U	Min	0.003535	0.	-0.000741	0.	-0.000024
59	SLE	Max	0.000531	0.	-0.001582	0.	0.000323
59	SLE	Min	0.000531	0.	-0.001582	0.	0.000323
59	SLU	Max	0.00069	0.	-0.002057	0.	0.00042
59	SLU	Min	0.00069	0.	-0.002057	0.	0.00042
59	SLV_DX_D	Max	-0.002599	0.	-0.001477	0.	-0.000286
59	SLV_DX_D	Min	-0.002599	0.	-0.001477	0.	-0.000286
59	SLV_SX_D	Max	0.003177	0.	-0.001514	0.	0.000248
59	SLV_SX_D	Min	0.003177	0.	-0.001514	0.	0.000248
59	SLV_DX_U	Max	-0.003767	0.	-0.000736	0.	-0.000622
59	SLV_DX_U	Min	-0.003767	0.	-0.000736	0.	-0.000622
59	SLV_SX_U	Max	0.003547	0.	-0.000725	0.	3.321E-06
59	SLV_SX_U	Min	0.003547	0.	-0.000725	0.	3.321E-06
60	SLE	Max	0.000395	0.	-0.00135	0.	0.00032
60	SLE	Min	0.000395	0.	-0.00135	0.	0.00032

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
60	SLU	Max	0.000513	0.	-0.001755	0.	0.000416
60	SLU	Min	0.000513	0.	-0.001755	0.	0.000416
60	SLV_DX_D	Max	-0.002477	0.	-0.001642	0.	-0.000243
60	SLV_DX_D	Min	-0.002477	0.	-0.001642	0.	-0.000243
60	SLV_SX_D	Max	0.003077	0.	-0.001322	0.	0.00025
60	SLV_SX_D	Min	0.003077	0.	-0.001322	0.	0.00025
60	SLV_DX_U	Max	-0.003501	0.	-0.00113	0.	-0.000566
60	SLV_DX_U	Min	-0.003501	0.	-0.00113	0.	-0.000566
60	SLV_SX_U	Max	0.003551	0.	-0.0007	0.	0.000013
60	SLV_SX_U	Min	0.003551	0.	-0.0007	0.	0.000013
61	SLE	Max	0.000325	0.	-0.001207	0.	0.000295
61	SLE	Min	0.000325	0.	-0.001207	0.	0.000295
61	SLU	Max	0.000422	0.	-0.001569	0.	0.000383
61	SLU	Min	0.000422	0.	-0.001569	0.	0.000383
61	SLV_DX_D	Max	-0.002416	0.	-0.001724	0.	-0.000164
61	SLV_DX_D	Min	-0.002416	0.	-0.001724	0.	-0.000164
61	SLV_SX_D	Max	0.003029	0.	-0.001202	0.	0.000221
61	SLV_SX_D	Min	0.003029	0.	-0.001202	0.	0.000221
61	SLV_DX_U	Max	-0.003365	0.	-0.00135	0.	-0.00045
61	SLV_DX_U	Min	-0.003365	0.	-0.00135	0.	-0.00045
61	SLV_SX_U	Max	0.003558	0.	-0.00068	0.	6.498E-06
61	SLV_SX_U	Min	0.003558	0.	-0.00068	0.	6.498E-06
62	SLE	Max	0.000268	0.	-0.001075	0.	0.000264
62	SLE	Min	0.000268	0.	-0.001075	0.	0.000264
62	SLU	Max	0.000348	0.	-0.001398	0.	0.000343
62	SLU	Min	0.000348	0.	-0.001398	0.	0.000343
62	SLV_DX_D	Max	-0.002378	0.	-0.001773	0.	-0.00009
62	SLV_DX_D	Min	-0.002378	0.	-0.001773	0.	-0.00009
62	SLV_SX_D	Max	0.002996	0.	-0.001099	0.	0.000178
62	SLV_SX_D	Min	0.002996	0.	-0.001099	0.	0.000178
62	SLV_DX_U	Max	-0.003266	0.	-0.001521	0.	-0.000334
62	SLV_DX_U	Min	-0.003266	0.	-0.001521	0.	-0.000334
62	SLV_SX_U	Max	0.00357	0.	-0.00067	0.	-0.000015
62	SLV_SX_U	Min	0.00357	0.	-0.00067	0.	-0.000015
63	SLE	Max	0.000224	0.	-0.000957	0.	0.00023
63	SLE	Min	0.000224	0.	-0.000957	0.	0.00023
63	SLU	Max	0.000292	0.	-0.001244	0.	0.000299
63	SLU	Min	0.000292	0.	-0.001244	0.	0.000299
63	SLV_DX_D	Max	-0.002356	0.	-0.00179	0.	-0.000022
63	SLV_DX_D	Min	-0.002356	0.	-0.00179	0.	-0.000022
63	SLV_SX_D	Max	0.002978	0.	-0.00102	0.	0.000125
63	SLV_SX_D	Min	0.002978	0.	-0.00102	0.	0.000125
63	SLV_DX_U	Max	-0.003199	0.	-0.001642	0.	-0.000224
63	SLV_DX_U	Min	-0.003199	0.	-0.001642	0.	-0.000224
63	SLV_SX_U	Max	0.003589	0.	-0.000674	0.	-0.000047
63	SLV_SX_U	Min	0.003589	0.	-0.000674	0.	-0.000047
64	SLE	Max	0.000193	0.	-0.000853	0.	0.000196
64	SLE	Min	0.000193	0.	-0.000853	0.	0.000196
64	SLU	Max	0.000251	0.	-0.001109	0.	0.000254
64	SLU	Min	0.000251	0.	-0.001109	0.	0.000254
64	SLV_DX_D	Max	-0.002346	0.	-0.001778	0.	0.000036
64	SLV_DX_D	Min	-0.002346	0.	-0.001778	0.	0.000036
64	SLV_SX_D	Max	0.002974	0.	-0.000967	0.	0.000068
64	SLV_SX_D	Min	0.002974	0.	-0.000967	0.	0.000068

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
64	SLV_DX_U	Max	-0.003157	0.	-0.001714	0.	-0.000123
64	SLV_DX_U	Min	-0.003157	0.	-0.001714	0.	-0.000123
64	SLV_SX_U	Max	0.003614	0.	-0.000698	0.	-0.000085
64	SLV_SX_U	Min	0.003614	0.	-0.000698	0.	-0.000085
65	SLE	Max	0.000172	0.	-0.000765	0.	0.000161
65	SLE	Min	0.000172	0.	-0.000765	0.	0.000161
65	SLU	Max	0.000224	0.	-0.000995	0.	0.000209
65	SLU	Min	0.000224	0.	-0.000995	0.	0.000209
65	SLV_DX_D	Max	-0.002344	0.	-0.001739	0.	0.000085
65	SLV_DX_D	Min	-0.002344	0.	-0.001739	0.	0.000085
65	SLV_SX_D	Max	0.002983	0.	-0.000944	0.	9.955E-06
65	SLV_SX_D	Min	0.002983	0.	-0.000944	0.	9.955E-06
65	SLV_DX_U	Max	-0.003134	0.	-0.001741	0.	-0.000034
65	SLV_DX_U	Min	-0.003134	0.	-0.001741	0.	-0.000034
65	SLV_SX_U	Max	0.003645	0.	-0.000744	0.	-0.000125
65	SLV_SX_U	Min	0.003645	0.	-0.000744	0.	-0.000125
66	SLE	Max	0.00016	0.	-0.000694	0.	0.000128
66	SLE	Min	0.00016	0.	-0.000694	0.	0.000128
66	SLU	Max	0.000208	0.	-0.000902	0.	0.000166
66	SLU	Min	0.000208	0.	-0.000902	0.	0.000166
66	SLV_DX_D	Max	-0.002345	0.	-0.001679	0.	0.000124
66	SLV_DX_D	Min	-0.002345	0.	-0.001679	0.	0.000124
66	SLV_SX_D	Max	0.003	0.	-0.000951	0.	-0.000046
66	SLV_SX_D	Min	0.003	0.	-0.000951	0.	-0.000046
66	SLV_DX_U	Max	-0.003122	0.	-0.001728	0.	0.000042
66	SLV_DX_U	Min	-0.003122	0.	-0.001728	0.	0.000042
66	SLV_SX_U	Max	0.003679	0.	-0.000812	0.	-0.000165
66	SLV_SX_U	Min	0.003679	0.	-0.000812	0.	-0.000165
67	SLE	Max	0.000155	0.	-0.000638	0.	0.000096
67	SLE	Min	0.000155	0.	-0.000638	0.	0.000096
67	SLU	Max	0.000202	0.	-0.000829	0.	0.000125
67	SLU	Min	0.000202	0.	-0.000829	0.	0.000125
67	SLV_DX_D	Max	-0.002348	0.	-0.001603	0.	0.000152
67	SLV_DX_D	Min	-0.002348	0.	-0.001603	0.	0.000152
67	SLV_SX_D	Max	0.003023	0.	-0.000986	0.	-0.000098
67	SLV_SX_D	Min	0.003023	0.	-0.000986	0.	-0.000098
67	SLV_DX_U	Max	-0.003118	0.	-0.001682	0.	0.000103
67	SLV_DX_U	Min	-0.003118	0.	-0.001682	0.	0.000103
67	SLV_SX_U	Max	0.003714	0.	-0.000902	0.	-0.000201
67	SLV_SX_U	Min	0.003714	0.	-0.000902	0.	-0.000201
68	SLE	Max	0.000156	0.	-0.000597	0.	0.000066
68	SLE	Min	0.000156	0.	-0.000597	0.	0.000066
68	SLU	Max	0.000202	0.	-0.000776	0.	0.000086
68	SLU	Min	0.000202	0.	-0.000776	0.	0.000086
68	SLV_DX_D	Max	-0.002349	0.	-0.001515	0.	0.00017
68	SLV_DX_D	Min	-0.002349	0.	-0.001515	0.	0.00017
68	SLV_SX_D	Max	0.003048	0.	-0.001047	0.	-0.000143
68	SLV_SX_D	Min	0.003048	0.	-0.001047	0.	-0.000143
68	SLV_DX_U	Max	-0.003116	0.	-0.00161	0.	0.00015
68	SLV_DX_U	Min	-0.003116	0.	-0.00161	0.	0.00015
68	SLV_SX_U	Max	0.003748	0.	-0.001011	0.	-0.000232
68	SLV_SX_U	Min	0.003748	0.	-0.001011	0.	-0.000232
69	SLE	Max	0.00016	0.	-0.000571	0.	0.000038
69	SLE	Min	0.00016	0.	-0.000571	0.	0.000038

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
69	SLU	Max	0.000208	0.	-0.000742	0.	0.000049
69	SLU	Min	0.000208	0.	-0.000742	0.	0.000049
69	SLV_DX_D	Max	-0.002346	0.	-0.001421	0.	0.000177
69	SLV_DX_D	Min	-0.002346	0.	-0.001421	0.	0.000177
69	SLV_SX_D	Max	0.003073	0.	-0.001131	0.	-0.000181
69	SLV_SX_D	Min	0.003073	0.	-0.001131	0.	-0.000181
69	SLV_DX_U	Max	-0.003113	0.	-0.001517	0.	0.000183
69	SLV_DX_U	Min	-0.003113	0.	-0.001517	0.	0.000183
69	SLV_SX_U	Max	0.003778	0.	-0.001136	0.	-0.000254
69	SLV_SX_U	Min	0.003778	0.	-0.001136	0.	-0.000254
70	SLE	Max	0.000166	0.	-0.000558	0.	0.00001
70	SLE	Min	0.000166	0.	-0.000558	0.	0.00001
70	SLU	Max	0.000216	0.	-0.000726	0.	0.000013
70	SLU	Min	0.000216	0.	-0.000726	0.	0.000013
70	SLV_DX_D	Max	-0.002339	0.	-0.001326	0.	0.000174
70	SLV_DX_D	Min	-0.002339	0.	-0.001326	0.	0.000174
70	SLV_SX_D	Max	0.003096	0.	-0.001233	0.	-0.00021
70	SLV_SX_D	Min	0.003096	0.	-0.001233	0.	-0.00021
70	SLV_DX_U	Max	-0.003106	0.	-0.001412	0.	0.000203
70	SLV_DX_U	Min	-0.003106	0.	-0.001412	0.	0.000203
70	SLV_SX_U	Max	0.003803	0.	-0.001271	0.	-0.000267
70	SLV_SX_U	Min	0.003803	0.	-0.001271	0.	-0.000267
71	SLE	Max	0.000173	0.	-0.00056	0.	-0.000017
71	SLE	Min	0.000173	0.	-0.00056	0.	-0.000017
71	SLU	Max	0.000225	0.	-0.000728	0.	-0.000022
71	SLU	Min	0.000225	0.	-0.000728	0.	-0.000022
71	SLV_DX_D	Max	-0.002327	0.	-0.001236	0.	0.000162
71	SLV_DX_D	Min	-0.002327	0.	-0.001236	0.	0.000162
71	SLV_SX_D	Max	0.003114	0.	-0.001349	0.	-0.000229
71	SLV_SX_D	Min	0.003114	0.	-0.001349	0.	-0.000229
71	SLV_DX_U	Max	-0.003094	0.	-0.001301	0.	0.000211
71	SLV_DX_U	Min	-0.003094	0.	-0.001301	0.	0.000211
71	SLV_SX_U	Max	0.003822	0.	-0.001413	0.	-0.000268
71	SLV_SX_U	Min	0.003822	0.	-0.001413	0.	-0.000268
72	SLE	Max	0.00018	0.	-0.000576	0.	-0.000044
72	SLE	Min	0.00018	0.	-0.000576	0.	-0.000044
72	SLU	Max	0.000234	0.	-0.000748	0.	-0.000057
72	SLU	Min	0.000234	0.	-0.000748	0.	-0.000057
72	SLV_DX_D	Max	-0.002311	0.	-0.001155	0.	0.000141
72	SLV_DX_D	Min	-0.002311	0.	-0.001155	0.	0.000141
72	SLV_SX_D	Max	0.003126	0.	-0.001473	0.	-0.000238
72	SLV_SX_D	Min	0.003126	0.	-0.001473	0.	-0.000238
72	SLV_DX_U	Max	-0.003078	0.	-0.00119	0.	0.000207
72	SLV_DX_U	Min	-0.003078	0.	-0.00119	0.	0.000207
72	SLV_SX_U	Max	0.003834	0.	-0.001553	0.	-0.000256
72	SLV_SX_U	Min	0.003834	0.	-0.001553	0.	-0.000256
73	SLE	Max	0.000185	0.	-0.000605	0.	-0.000071
73	SLE	Min	0.000185	0.	-0.000605	0.	-0.000071
73	SLU	Max	0.000241	0.	-0.000786	0.	-0.000092
73	SLU	Min	0.000241	0.	-0.000786	0.	-0.000092
73	SLV_DX_D	Max	-0.002293	0.	-0.001088	0.	0.000111
73	SLV_DX_D	Min	-0.002293	0.	-0.001088	0.	0.000111
73	SLV_SX_D	Max	0.003132	0.	-0.0016	0.	-0.000236
73	SLV_SX_D	Min	0.003132	0.	-0.0016	0.	-0.000236

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
73	SLV_DX_U	Max	-0.003056	0.	-0.001085	0.	0.000193
73	SLV_DX_U	Min	-0.003056	0.	-0.001085	0.	0.000193
73	SLV_SX_U	Max	0.00384	0.	-0.001684	0.	-0.000231
73	SLV_SX_U	Min	0.00384	0.	-0.001684	0.	-0.000231
74	SLE	Max	0.000187	0.	-0.000648	0.	-0.000099
74	SLE	Min	0.000187	0.	-0.000648	0.	-0.000099
74	SLU	Max	0.000243	0.	-0.000842	0.	-0.000129
74	SLU	Min	0.000243	0.	-0.000842	0.	-0.000129
74	SLV_DX_D	Max	-0.002273	0.	-0.00104	0.	0.000073
74	SLV_DX_D	Min	-0.002273	0.	-0.00104	0.	0.000073
74	SLV_SX_D	Max	0.003132	0.	-0.001723	0.	-0.000222
74	SLV_SX_D	Min	0.003132	0.	-0.001723	0.	-0.000222
74	SLV_DX_U	Max	-0.003031	0.	-0.000991	0.	0.000171
74	SLV_DX_U	Min	-0.003031	0.	-0.000991	0.	0.000171
74	SLV_SX_U	Max	0.003841	0.	-0.0018	0.	-0.00019
74	SLV_SX_U	Min	0.003841	0.	-0.0018	0.	-0.00019
75	SLE	Max	0.000185	0.	-0.000705	0.	-0.000129
75	SLE	Min	0.000185	0.	-0.000705	0.	-0.000129
75	SLU	Max	0.00024	0.	-0.000917	0.	-0.000168
75	SLU	Min	0.00024	0.	-0.000917	0.	-0.000168
75	SLV_DX_D	Max	-0.002254	0.	-0.001014	0.	0.000028
75	SLV_DX_D	Min	-0.002254	0.	-0.001014	0.	0.000028
75	SLV_SX_D	Max	0.003128	0.	-0.001836	0.	-0.000195
75	SLV_SX_D	Min	0.003128	0.	-0.001836	0.	-0.000195
75	SLV_DX_U	Max	-0.003003	0.	-0.000912	0.	0.000142
75	SLV_DX_U	Min	-0.003003	0.	-0.000912	0.	0.000142
75	SLV_SX_U	Max	0.003842	0.	-0.001891	0.	-0.000132
75	SLV_SX_U	Min	0.003842	0.	-0.001891	0.	-0.000132
76	SLE	Max	0.000176	0.	-0.000777	0.	-0.00016
76	SLE	Min	0.000176	0.	-0.000777	0.	-0.00016
76	SLU	Max	0.000229	0.	-0.001011	0.	-0.000209
76	SLU	Min	0.000229	0.	-0.001011	0.	-0.000209
76	SLV_DX_D	Max	-0.00224	0.	-0.001013	0.	-0.000023
76	SLV_DX_D	Min	-0.00224	0.	-0.001013	0.	-0.000023
76	SLV_SX_D	Max	0.003123	0.	-0.001932	0.	-0.000157
76	SLV_SX_D	Min	0.003123	0.	-0.001932	0.	-0.000157
76	SLV_DX_U	Max	-0.002975	0.	-0.000852	0.	0.000107
76	SLV_DX_U	Min	-0.002975	0.	-0.000852	0.	0.000107
76	SLV_SX_U	Max	0.003845	0.	-0.00195	0.	-0.000059
76	SLV_SX_U	Min	0.003845	0.	-0.00195	0.	-0.000059
77	SLE	Max	0.00016	0.	-0.000865	0.	-0.000193
77	SLE	Min	0.00016	0.	-0.000865	0.	-0.000193
77	SLU	Max	0.000208	0.	-0.001125	0.	-0.000251
77	SLU	Min	0.000208	0.	-0.001125	0.	-0.000251
77	SLV_DX_D	Max	-0.002233	0.	-0.001039	0.	-0.000078
77	SLV_DX_D	Min	-0.002233	0.	-0.001039	0.	-0.000078
77	SLV_SX_D	Max	0.003118	0.	-0.002006	0.	-0.000106
77	SLV_SX_D	Min	0.003118	0.	-0.002006	0.	-0.000106
77	SLV_DX_U	Max	-0.00295	0.	-0.000811	0.	0.00007
77	SLV_DX_U	Min	-0.00295	0.	-0.000811	0.	0.00007
77	SLV_SX_U	Max	0.003855	0.	-0.001969	0.	0.000031
77	SLV_SX_U	Min	0.003855	0.	-0.001969	0.	0.000031
78	SLE	Max	0.000134	0.	-0.000968	0.	-0.000227
78	SLE	Min	0.000134	0.	-0.000968	0.	-0.000227

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
78	SLU	Max	0.000174	0.	-0.001259	0.	-0.000295
78	SLU	Min	0.000174	0.	-0.001259	0.	-0.000295
78	SLV_DX_D	Max	-0.002236	0.	-0.001094	0.	-0.000135
78	SLV_DX_D	Min	-0.002236	0.	-0.001094	0.	-0.000135
78	SLV_SX_D	Max	0.003119	0.	-0.002053	0.	-0.000043
78	SLV_SX_D	Min	0.003119	0.	-0.002053	0.	-0.000043
78	SLV_DX_U	Max	-0.002929	0.	-0.000791	0.	0.000032
78	SLV_DX_U	Min	-0.002929	0.	-0.000791	0.	0.000032
78	SLV_SX_U	Max	0.003881	0.	-0.00194	0.	0.000135
78	SLV_SX_U	Min	0.003881	0.	-0.00194	0.	0.000135
79	SLE	Max	0.000097	0.	-0.001086	0.	-0.000261
79	SLE	Min	0.000097	0.	-0.001086	0.	-0.000261
79	SLU	Max	0.000126	0.	-0.001412	0.	-0.000339
79	SLU	Min	0.000126	0.	-0.001412	0.	-0.000339
79	SLV_DX_D	Max	-0.002252	0.	-0.001177	0.	-0.000192
79	SLV_DX_D	Min	-0.002252	0.	-0.001177	0.	-0.000192
79	SLV_SX_D	Max	0.00313	0.	-0.002066	0.	0.000032
79	SLV_SX_D	Min	0.00313	0.	-0.002066	0.	0.000032
79	SLV_DX_U	Max	-0.002914	0.	-0.000791	0.	-4.079E-06
79	SLV_DX_U	Min	-0.002914	0.	-0.000791	0.	-4.079E-06
79	SLV_SX_U	Max	0.003927	0.	-0.001859	0.	0.000254
79	SLV_SX_U	Min	0.003927	0.	-0.001859	0.	0.000254
80	SLE	Max	0.000048	0.	-0.001219	0.	-0.000294
80	SLE	Min	0.000048	0.	-0.001219	0.	-0.000294
80	SLU	Max	0.000062	0.	-0.001585	0.	-0.000382
80	SLU	Min	0.000062	0.	-0.001585	0.	-0.000382
80	SLV_DX_D	Max	-0.002284	0.	-0.001287	0.	-0.000245
80	SLV_DX_D	Min	-0.002284	0.	-0.001287	0.	-0.000245
80	SLV_SX_D	Max	0.003157	0.	-0.002041	0.	0.000116
80	SLV_SX_D	Min	0.003157	0.	-0.002041	0.	0.000116
80	SLV_DX_U	Max	-0.002906	0.	-0.000809	0.	-0.000034
80	SLV_DX_U	Min	-0.002906	0.	-0.000809	0.	-0.000034
80	SLV_SX_U	Max	0.004003	0.	-0.001722	0.	0.000382
80	SLV_SX_U	Min	0.004003	0.	-0.001722	0.	0.000382
81	SLE	Max	-0.000015	0.	-0.001364	0.	-0.000323
81	SLE	Min	-0.000015	0.	-0.001364	0.	-0.000323
81	SLU	Max	-0.00002	0.	-0.001774	0.	-0.00042
81	SLU	Min	-0.00002	0.	-0.001774	0.	-0.00042
81	SLV_DX_D	Max	-0.002333	0.	-0.001419	0.	-0.000289
81	SLV_DX_D	Min	-0.002333	0.	-0.001419	0.	-0.000289
81	SLV_SX_D	Max	0.003204	0.	-0.001977	0.	0.000208
81	SLV_SX_D	Min	0.003204	0.	-0.001977	0.	0.000208
81	SLV_DX_U	Max	-0.002906	0.	-0.000841	0.	-0.000055
81	SLV_DX_U	Min	-0.002906	0.	-0.000841	0.	-0.000055
81	SLV_SX_U	Max	0.004116	0.	-0.001525	0.	0.000515
81	SLV_SX_U	Min	0.004116	0.	-0.001525	0.	0.000515
82	SLE	Max	-0.000093	0.	-0.00152	0.	-0.000347
82	SLE	Min	-0.000093	0.	-0.00152	0.	-0.000347
82	SLU	Max	-0.00012	0.	-0.001976	0.	-0.000452
82	SLU	Min	-0.00012	0.	-0.001976	0.	-0.000452
82	SLV_DX_D	Max	-0.002399	0.	-0.001569	0.	-0.000321
82	SLV_DX_D	Min	-0.002399	0.	-0.001569	0.	-0.000321
82	SLV_SX_D	Max	0.003279	0.	-0.001871	0.	0.000304
82	SLV_SX_D	Min	0.003279	0.	-0.001871	0.	0.000304

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
82	SLV_DX_U	Max	-0.002911	0.	-0.000882	0.	-0.000063
82	SLV_DX_U	Min	-0.002911	0.	-0.000882	0.	-0.000063
82	SLV_SX_U	Max	0.004271	0.	-0.001273	0.	0.000649
82	SLV_SX_U	Min	0.004271	0.	-0.001273	0.	0.000649
83	SLE	Max	-0.00024	0.	-0.001771	0.	-0.000349
83	SLE	Min	-0.00024	0.	-0.001771	0.	-0.000349
83	SLU	Max	-0.000313	0.	-0.002302	0.	-0.000454
83	SLU	Min	-0.000313	0.	-0.002302	0.	-0.000454
83	SLV_DX_D	Max	-0.002531	0.	-0.00181	0.	-0.000321
83	SLV_DX_D	Min	-0.002531	0.	-0.00181	0.	-0.000321
83	SLV_SX_D	Max	0.00343	0.	-0.001662	0.	0.000355
83	SLV_SX_D	Min	0.00343	0.	-0.001662	0.	0.000355
83	SLV_DX_U	Max	-0.002929	0.	-0.000941	0.	-0.000054
83	SLV_DX_U	Min	-0.002929	0.	-0.000941	0.	-0.000054
83	SLV_SX_U	Max	0.004575	0.	-0.00082	0.	0.000713
83	SLV_SX_U	Min	0.004575	0.	-0.00082	0.	0.000713
84	SLE	Max	-0.000407	0.	-0.002018	0.	-0.000325
84	SLE	Min	-0.000407	0.	-0.002018	0.	-0.000325
84	SLU	Max	-0.000529	0.	-0.002623	0.	-0.000423
84	SLU	Min	-0.000529	0.	-0.002623	0.	-0.000423
84	SLV_DX_D	Max	-0.002677	0.	-0.002043	0.	-0.00029
84	SLV_DX_D	Min	-0.002677	0.	-0.002043	0.	-0.00029
84	SLV_SX_D	Max	0.003622	0.	-0.001438	0.	0.000424
84	SLV_SX_D	Min	0.003622	0.	-0.001438	0.	0.000424
84	SLV_DX_U	Max	-0.002943	0.	-0.000991	0.	-0.000025
84	SLV_DX_U	Min	-0.002943	0.	-0.000991	0.	-0.000025
84	SLV_SX_U	Max	0.004944	0.	-0.000353	0.	0.000782
84	SLV_SX_U	Min	0.004944	0.	-0.000353	0.	0.000782
84~Link	SLE	Max	0.	0.	0.	0.	0.
84~Link	SLE	Min	0.	0.	0.	0.	0.
84~Link	SLU	Max	0.	0.	0.	0.	0.
84~Link	SLU	Min	0.	0.	0.	0.	0.
84~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
84~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
84~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
84~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
84~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
84~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
84~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
84~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
1~Link	SLE	Max	0.	0.	0.	0.	0.
1~Link	SLE	Min	0.	0.	0.	0.	0.
1~Link	SLU	Max	0.	0.	0.	0.	0.
1~Link	SLU	Min	0.	0.	0.	0.	0.
1~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
1~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
1~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
1~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
1~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
1~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
1~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
1~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
2~Link	SLE	Max	0.	0.	0.	0.	0.
2~Link	SLE	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
2~Link	SLU	Max	0.	0.	0.	0.	0.
2~Link	SLU	Min	0.	0.	0.	0.	0.
2~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
2~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
2~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
2~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
2~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
2~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
2~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
2~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
3~Link	SLE	Max	0.	0.	0.	0.	0.
3~Link	SLE	Min	0.	0.	0.	0.	0.
3~Link	SLU	Max	0.	0.	0.	0.	0.
3~Link	SLU	Min	0.	0.	0.	0.	0.
3~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
3~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
3~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
3~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
3~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
3~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
3~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
3~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
4~Link	SLE	Max	0.	0.	0.	0.	0.
4~Link	SLE	Min	0.	0.	0.	0.	0.
4~Link	SLU	Max	0.	0.	0.	0.	0.
4~Link	SLU	Min	0.	0.	0.	0.	0.
4~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
4~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
4~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
4~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
4~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
4~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
4~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
4~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
5~Link	SLE	Max	0.	0.	0.	0.	0.
5~Link	SLE	Min	0.	0.	0.	0.	0.
5~Link	SLU	Max	0.	0.	0.	0.	0.
5~Link	SLU	Min	0.	0.	0.	0.	0.
5~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
5~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
5~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
5~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
5~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
5~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
5~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
5~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
6~Link	SLE	Max	0.	0.	0.	0.	0.
6~Link	SLE	Min	0.	0.	0.	0.	0.
6~Link	SLU	Max	0.	0.	0.	0.	0.
6~Link	SLU	Min	0.	0.	0.	0.	0.
6~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
6~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
6~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
6~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
6~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
6~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
6~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
6~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
7~Link	SLE	Max	0.	0.	0.	0.	0.
7~Link	SLE	Min	0.	0.	0.	0.	0.
7~Link	SLU	Max	0.	0.	0.	0.	0.
7~Link	SLU	Min	0.	0.	0.	0.	0.
7~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
7~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
7~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
7~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
7~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
7~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
7~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
7~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
8~Link	SLE	Max	0.	0.	0.	0.	0.
8~Link	SLE	Min	0.	0.	0.	0.	0.
8~Link	SLU	Max	0.	0.	0.	0.	0.
8~Link	SLU	Min	0.	0.	0.	0.	0.
8~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
8~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
8~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
8~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
8~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
8~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
8~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
8~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
9~Link	SLE	Max	0.	0.	0.	0.	0.
9~Link	SLE	Min	0.	0.	0.	0.	0.
9~Link	SLU	Max	0.	0.	0.	0.	0.
9~Link	SLU	Min	0.	0.	0.	0.	0.
9~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
9~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
9~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
9~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
9~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
9~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
9~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
9~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
10~Link	SLE	Max	0.	0.	0.	0.	0.
10~Link	SLE	Min	0.	0.	0.	0.	0.
10~Link	SLU	Max	0.	0.	0.	0.	0.
10~Link	SLU	Min	0.	0.	0.	0.	0.
10~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
10~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
10~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
10~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
10~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
10~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
10~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
10~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
11~Link	SLE	Max	0.	0.	0.	0.	0.
11~Link	SLE	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
11~Link	SLU	Max	0.	0.	0.	0.	0.
11~Link	SLU	Min	0.	0.	0.	0.	0.
11~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
11~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
11~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
11~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
11~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
11~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
11~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
11~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
12~Link	SLE	Max	0.	0.	0.	0.	0.
12~Link	SLE	Min	0.	0.	0.	0.	0.
12~Link	SLU	Max	0.	0.	0.	0.	0.
12~Link	SLU	Min	0.	0.	0.	0.	0.
12~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
12~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
12~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
12~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
12~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
12~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
12~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
12~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
13~Link	SLE	Max	0.	0.	0.	0.	0.
13~Link	SLE	Min	0.	0.	0.	0.	0.
13~Link	SLU	Max	0.	0.	0.	0.	0.
13~Link	SLU	Min	0.	0.	0.	0.	0.
13~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
13~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
13~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
13~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
13~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
13~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
13~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
13~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
14~Link	SLE	Max	0.	0.	0.	0.	0.
14~Link	SLE	Min	0.	0.	0.	0.	0.
14~Link	SLU	Max	0.	0.	0.	0.	0.
14~Link	SLU	Min	0.	0.	0.	0.	0.
14~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
14~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
14~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
14~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
14~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
14~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
14~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
14~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
15~Link	SLE	Max	0.	0.	0.	0.	0.
15~Link	SLE	Min	0.	0.	0.	0.	0.
15~Link	SLU	Max	0.	0.	0.	0.	0.
15~Link	SLU	Min	0.	0.	0.	0.	0.
15~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
15~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
15~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
15~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
15~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
15~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
15~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
15~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
16~Link	SLE	Max	0.	0.	0.	0.	0.
16~Link	SLE	Min	0.	0.	0.	0.	0.
16~Link	SLU	Max	0.	0.	0.	0.	0.
16~Link	SLU	Min	0.	0.	0.	0.	0.
16~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
16~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
16~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
16~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
16~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
16~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
16~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
16~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
17~Link	SLE	Max	0.	0.	0.	0.	0.
17~Link	SLE	Min	0.	0.	0.	0.	0.
17~Link	SLU	Max	0.	0.	0.	0.	0.
17~Link	SLU	Min	0.	0.	0.	0.	0.
17~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
17~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
17~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
17~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
17~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
17~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
17~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
17~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
18~Link	SLE	Max	0.	0.	0.	0.	0.
18~Link	SLE	Min	0.	0.	0.	0.	0.
18~Link	SLU	Max	0.	0.	0.	0.	0.
18~Link	SLU	Min	0.	0.	0.	0.	0.
18~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
18~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
18~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
18~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
18~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
18~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
18~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
18~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
19~Link	SLE	Max	0.	0.	0.	0.	0.
19~Link	SLE	Min	0.	0.	0.	0.	0.
19~Link	SLU	Max	0.	0.	0.	0.	0.
19~Link	SLU	Min	0.	0.	0.	0.	0.
19~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
19~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
19~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
19~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
19~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
19~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
19~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
19~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
20~Link	SLE	Max	0.	0.	0.	0.	0.
20~Link	SLE	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
20~Link	SLU	Max	0.	0.	0.	0.	0.
20~Link	SLU	Min	0.	0.	0.	0.	0.
20~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
20~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
20~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
20~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
20~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
20~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
20~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
20~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
21~Link	SLE	Max	0.	0.	0.	0.	0.
21~Link	SLE	Min	0.	0.	0.	0.	0.
21~Link	SLU	Max	0.	0.	0.	0.	0.
21~Link	SLU	Min	0.	0.	0.	0.	0.
21~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
21~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
21~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
21~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
21~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
21~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
21~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
21~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
22~Link	SLE	Max	0.	0.	0.	0.	0.
22~Link	SLE	Min	0.	0.	0.	0.	0.
22~Link	SLU	Max	0.	0.	0.	0.	0.
22~Link	SLU	Min	0.	0.	0.	0.	0.
22~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
22~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
22~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
22~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
22~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
22~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
22~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
22~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
23~Link	SLE	Max	0.	0.	0.	0.	0.
23~Link	SLE	Min	0.	0.	0.	0.	0.
23~Link	SLU	Max	0.	0.	0.	0.	0.
23~Link	SLU	Min	0.	0.	0.	0.	0.
23~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
23~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
23~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
23~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
23~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
23~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
23~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
23~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
24~Link	SLE	Max	0.	0.	0.	0.	0.
24~Link	SLE	Min	0.	0.	0.	0.	0.
24~Link	SLU	Max	0.	0.	0.	0.	0.
24~Link	SLU	Min	0.	0.	0.	0.	0.
24~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
24~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
24~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
24~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
24~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
24~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
24~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
24~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
25~Link	SLE	Max	0.	0.	0.	0.	0.
25~Link	SLE	Min	0.	0.	0.	0.	0.
25~Link	SLU	Max	0.	0.	0.	0.	0.
25~Link	SLU	Min	0.	0.	0.	0.	0.
25~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
25~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
25~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
25~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
25~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
25~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
25~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
25~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
26~Link	SLE	Max	0.	0.	0.	0.	0.
26~Link	SLE	Min	0.	0.	0.	0.	0.
26~Link	SLU	Max	0.	0.	0.	0.	0.
26~Link	SLU	Min	0.	0.	0.	0.	0.
26~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
26~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
26~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
26~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
26~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
26~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
26~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
26~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
27~Link	SLE	Max	0.	0.	0.	0.	0.
27~Link	SLE	Min	0.	0.	0.	0.	0.
27~Link	SLU	Max	0.	0.	0.	0.	0.
27~Link	SLU	Min	0.	0.	0.	0.	0.
27~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
27~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
27~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
27~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
27~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
27~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
27~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
27~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
28~Link	SLE	Max	0.	0.	0.	0.	0.
28~Link	SLE	Min	0.	0.	0.	0.	0.
28~Link	SLU	Max	0.	0.	0.	0.	0.
28~Link	SLU	Min	0.	0.	0.	0.	0.
28~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
28~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
28~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
28~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
28~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
28~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
28~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
28~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
29~Link	SLE	Max	0.	0.	0.	0.	0.
29~Link	SLE	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
29~Link	SLU	Max	0.	0.	0.	0.	0.
29~Link	SLU	Min	0.	0.	0.	0.	0.
29~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
29~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
29~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
29~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
29~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
29~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
29~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
29~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
30~Link	SLE	Max	0.	0.	0.	0.	0.
30~Link	SLE	Min	0.	0.	0.	0.	0.
30~Link	SLU	Max	0.	0.	0.	0.	0.
30~Link	SLU	Min	0.	0.	0.	0.	0.
30~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
30~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
30~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
30~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
30~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
30~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
30~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
30~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
31~Link	SLE	Max	0.	0.	0.	0.	0.
31~Link	SLE	Min	0.	0.	0.	0.	0.
31~Link	SLU	Max	0.	0.	0.	0.	0.
31~Link	SLU	Min	0.	0.	0.	0.	0.
31~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
31~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
31~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
31~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
31~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
31~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
31~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
31~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
32~Link	SLE	Max	0.	0.	0.	0.	0.
32~Link	SLE	Min	0.	0.	0.	0.	0.
32~Link	SLU	Max	0.	0.	0.	0.	0.
32~Link	SLU	Min	0.	0.	0.	0.	0.
32~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
32~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
32~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
32~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
32~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
32~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
32~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
32~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
33~Link	SLE	Max	0.	0.	0.	0.	0.
33~Link	SLE	Min	0.	0.	0.	0.	0.
33~Link	SLU	Max	0.	0.	0.	0.	0.
33~Link	SLU	Min	0.	0.	0.	0.	0.
33~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
33~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
33~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
33~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
33~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
33~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
33~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
33~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
34~Link	SLE	Max	0.	0.	0.	0.	0.
34~Link	SLE	Min	0.	0.	0.	0.	0.
34~Link	SLU	Max	0.	0.	0.	0.	0.
34~Link	SLU	Min	0.	0.	0.	0.	0.
34~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
34~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
34~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
34~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
34~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
34~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
34~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
34~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
35~Link	SLE	Max	0.	0.	0.	0.	0.
35~Link	SLE	Min	0.	0.	0.	0.	0.
35~Link	SLU	Max	0.	0.	0.	0.	0.
35~Link	SLU	Min	0.	0.	0.	0.	0.
35~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
35~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
35~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
35~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
35~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
35~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
35~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
35~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
36~Link	SLE	Max	0.	0.	0.	0.	0.
36~Link	SLE	Min	0.	0.	0.	0.	0.
36~Link	SLU	Max	0.	0.	0.	0.	0.
36~Link	SLU	Min	0.	0.	0.	0.	0.
36~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
36~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
36~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
36~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
36~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
36~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
36~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
36~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
37~Link	SLE	Max	0.	0.	0.	0.	0.
37~Link	SLE	Min	0.	0.	0.	0.	0.
37~Link	SLU	Max	0.	0.	0.	0.	0.
37~Link	SLU	Min	0.	0.	0.	0.	0.
37~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
37~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
37~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
37~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
37~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
37~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
37~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
37~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
38~Link	SLE	Max	0.	0.	0.	0.	0.
38~Link	SLE	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
38~Link	SLU	Max	0.	0.	0.	0.	0.
38~Link	SLU	Min	0.	0.	0.	0.	0.
38~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
38~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
38~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
38~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
38~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
38~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
38~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
38~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
39~Link	SLE	Max	0.	0.	0.	0.	0.
39~Link	SLE	Min	0.	0.	0.	0.	0.
39~Link	SLU	Max	0.	0.	0.	0.	0.
39~Link	SLU	Min	0.	0.	0.	0.	0.
39~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
39~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
39~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
39~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
39~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
39~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
39~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
39~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
40~Link	SLE	Max	0.	0.	0.	0.	0.
40~Link	SLE	Min	0.	0.	0.	0.	0.
40~Link	SLU	Max	0.	0.	0.	0.	0.
40~Link	SLU	Min	0.	0.	0.	0.	0.
40~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
40~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
40~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
40~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
40~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
40~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
40~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
40~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
41~Link	SLE	Max	0.	0.	0.	0.	0.
41~Link	SLE	Min	0.	0.	0.	0.	0.
41~Link	SLU	Max	0.	0.	0.	0.	0.
41~Link	SLU	Min	0.	0.	0.	0.	0.
41~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
41~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
41~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
41~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
41~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
41~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
41~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
41~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
42~Link	SLE	Max	0.	0.	0.	0.	0.
42~Link	SLE	Min	0.	0.	0.	0.	0.
42~Link	SLU	Max	0.	0.	0.	0.	0.
42~Link	SLU	Min	0.	0.	0.	0.	0.
42~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
42~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
42~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
42~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
42~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
42~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
42~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
42~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
43~Link	SLE	Max	0.	0.	0.	0.	0.
43~Link	SLE	Min	0.	0.	0.	0.	0.
43~Link	SLU	Max	0.	0.	0.	0.	0.
43~Link	SLU	Min	0.	0.	0.	0.	0.
43~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
43~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
43~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
43~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
43~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
43~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
43~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
43~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
44~Link	SLE	Max	0.	0.	0.	0.	0.
44~Link	SLE	Min	0.	0.	0.	0.	0.
44~Link	SLU	Max	0.	0.	0.	0.	0.
44~Link	SLU	Min	0.	0.	0.	0.	0.
44~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
44~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
44~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
44~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
44~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
44~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
44~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
44~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
45~Link	SLE	Max	0.	0.	0.	0.	0.
45~Link	SLE	Min	0.	0.	0.	0.	0.
45~Link	SLU	Max	0.	0.	0.	0.	0.
45~Link	SLU	Min	0.	0.	0.	0.	0.
45~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
45~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
45~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
45~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
45~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
45~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
45~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
45~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
46~Link	SLE	Max	0.	0.	0.	0.	0.
46~Link	SLE	Min	0.	0.	0.	0.	0.
46~Link	SLU	Max	0.	0.	0.	0.	0.
46~Link	SLU	Min	0.	0.	0.	0.	0.
46~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
46~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
46~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
46~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
46~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
46~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
46~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
46~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
47~Link	SLE	Max	0.	0.	0.	0.	0.
47~Link	SLE	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
47~Link	SLU	Max	0.	0.	0.	0.	0.
47~Link	SLU	Min	0.	0.	0.	0.	0.
47~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
47~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
47~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
47~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
47~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
47~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
47~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
47~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
48~Link	SLE	Max	0.	0.	0.	0.	0.
48~Link	SLE	Min	0.	0.	0.	0.	0.
48~Link	SLU	Max	0.	0.	0.	0.	0.
48~Link	SLU	Min	0.	0.	0.	0.	0.
48~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
48~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
48~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
48~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
48~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
48~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
48~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
48~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
49~Link	SLE	Max	0.	0.	0.	0.	0.
49~Link	SLE	Min	0.	0.	0.	0.	0.
49~Link	SLU	Max	0.	0.	0.	0.	0.
49~Link	SLU	Min	0.	0.	0.	0.	0.
49~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
49~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
49~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
49~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
49~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
49~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
49~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
49~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
50~Link	SLE	Max	0.	0.	0.	0.	0.
50~Link	SLE	Min	0.	0.	0.	0.	0.
50~Link	SLU	Max	0.	0.	0.	0.	0.
50~Link	SLU	Min	0.	0.	0.	0.	0.
50~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
50~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
50~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
50~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
50~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
50~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
50~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
50~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
51~Link	SLE	Max	0.	0.	0.	0.	0.
51~Link	SLE	Min	0.	0.	0.	0.	0.
51~Link	SLU	Max	0.	0.	0.	0.	0.
51~Link	SLU	Min	0.	0.	0.	0.	0.
51~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
51~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
51~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
51~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
51~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
51~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
51~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
51~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
52~Link	SLE	Max	0.	0.	0.	0.	0.
52~Link	SLE	Min	0.	0.	0.	0.	0.
52~Link	SLU	Max	0.	0.	0.	0.	0.
52~Link	SLU	Min	0.	0.	0.	0.	0.
52~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
52~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
52~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
52~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
52~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
52~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
52~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
52~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
53~Link	SLE	Max	0.	0.	0.	0.	0.
53~Link	SLE	Min	0.	0.	0.	0.	0.
53~Link	SLU	Max	0.	0.	0.	0.	0.
53~Link	SLU	Min	0.	0.	0.	0.	0.
53~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
53~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
53~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
53~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
53~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
53~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
53~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
53~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
54~Link	SLE	Max	0.	0.	0.	0.	0.
54~Link	SLE	Min	0.	0.	0.	0.	0.
54~Link	SLU	Max	0.	0.	0.	0.	0.
54~Link	SLU	Min	0.	0.	0.	0.	0.
54~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
54~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
54~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
54~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
54~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
54~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
54~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
54~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
55~Link	SLE	Max	0.	0.	0.	0.	0.
55~Link	SLE	Min	0.	0.	0.	0.	0.
55~Link	SLU	Max	0.	0.	0.	0.	0.
55~Link	SLU	Min	0.	0.	0.	0.	0.
55~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
55~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
55~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
55~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
55~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
55~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
55~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
55~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
56~Link	SLE	Max	0.	0.	0.	0.	0.
56~Link	SLE	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
56~Link	SLU	Max	0.	0.	0.	0.	0.
56~Link	SLU	Min	0.	0.	0.	0.	0.
56~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
56~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
56~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
56~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
56~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
56~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
56~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
56~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
57~Link	SLE	Max	0.	0.	0.	0.	0.
57~Link	SLE	Min	0.	0.	0.	0.	0.
57~Link	SLU	Max	0.	0.	0.	0.	0.
57~Link	SLU	Min	0.	0.	0.	0.	0.
57~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
57~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
57~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
57~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
57~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
57~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
57~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
57~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
58~Link	SLE	Max	0.	0.	0.	0.	0.
58~Link	SLE	Min	0.	0.	0.	0.	0.
58~Link	SLU	Max	0.	0.	0.	0.	0.
58~Link	SLU	Min	0.	0.	0.	0.	0.
58~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
58~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
58~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
58~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
58~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
58~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
58~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
58~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
59~Link	SLE	Max	0.	0.	0.	0.	0.
59~Link	SLE	Min	0.	0.	0.	0.	0.
59~Link	SLU	Max	0.	0.	0.	0.	0.
59~Link	SLU	Min	0.	0.	0.	0.	0.
59~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
59~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
59~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
59~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
59~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
59~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
59~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
59~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
60~Link	SLE	Max	0.	0.	0.	0.	0.
60~Link	SLE	Min	0.	0.	0.	0.	0.
60~Link	SLU	Max	0.	0.	0.	0.	0.
60~Link	SLU	Min	0.	0.	0.	0.	0.
60~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
60~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
60~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
60~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
60~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
60~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
60~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
60~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
61~Link	SLE	Max	0.	0.	0.	0.	0.
61~Link	SLE	Min	0.	0.	0.	0.	0.
61~Link	SLU	Max	0.	0.	0.	0.	0.
61~Link	SLU	Min	0.	0.	0.	0.	0.
61~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
61~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
61~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
61~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
61~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
61~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
61~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
61~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
62~Link	SLE	Max	0.	0.	0.	0.	0.
62~Link	SLE	Min	0.	0.	0.	0.	0.
62~Link	SLU	Max	0.	0.	0.	0.	0.
62~Link	SLU	Min	0.	0.	0.	0.	0.
62~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
62~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
62~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
62~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
62~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
62~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
62~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
62~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
63~Link	SLE	Max	0.	0.	0.	0.	0.
63~Link	SLE	Min	0.	0.	0.	0.	0.
63~Link	SLU	Max	0.	0.	0.	0.	0.
63~Link	SLU	Min	0.	0.	0.	0.	0.
63~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
63~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
63~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
63~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
63~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
63~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
63~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
63~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
64~Link	SLE	Max	0.	0.	0.	0.	0.
64~Link	SLE	Min	0.	0.	0.	0.	0.
64~Link	SLU	Max	0.	0.	0.	0.	0.
64~Link	SLU	Min	0.	0.	0.	0.	0.
64~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
64~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
64~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
64~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
64~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
64~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
64~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
64~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
65~Link	SLE	Max	0.	0.	0.	0.	0.
65~Link	SLE	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
65~Link	SLU	Max	0.	0.	0.	0.	0.
65~Link	SLU	Min	0.	0.	0.	0.	0.
65~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
65~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
65~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
65~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
65~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
65~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
65~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
65~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
66~Link	SLE	Max	0.	0.	0.	0.	0.
66~Link	SLE	Min	0.	0.	0.	0.	0.
66~Link	SLU	Max	0.	0.	0.	0.	0.
66~Link	SLU	Min	0.	0.	0.	0.	0.
66~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
66~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
66~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
66~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
66~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
66~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
66~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
66~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
67~Link	SLE	Max	0.	0.	0.	0.	0.
67~Link	SLE	Min	0.	0.	0.	0.	0.
67~Link	SLU	Max	0.	0.	0.	0.	0.
67~Link	SLU	Min	0.	0.	0.	0.	0.
67~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
67~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
67~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
67~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
67~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
67~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
67~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
67~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
68~Link	SLE	Max	0.	0.	0.	0.	0.
68~Link	SLE	Min	0.	0.	0.	0.	0.
68~Link	SLU	Max	0.	0.	0.	0.	0.
68~Link	SLU	Min	0.	0.	0.	0.	0.
68~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
68~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
68~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
68~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
68~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
68~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
68~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
68~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
69~Link	SLE	Max	0.	0.	0.	0.	0.
69~Link	SLE	Min	0.	0.	0.	0.	0.
69~Link	SLU	Max	0.	0.	0.	0.	0.
69~Link	SLU	Min	0.	0.	0.	0.	0.
69~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
69~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
69~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
69~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
69~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
69~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
69~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
69~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
70~Link	SLE	Max	0.	0.	0.	0.	0.
70~Link	SLE	Min	0.	0.	0.	0.	0.
70~Link	SLU	Max	0.	0.	0.	0.	0.
70~Link	SLU	Min	0.	0.	0.	0.	0.
70~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
70~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
70~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
70~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
70~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
70~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
70~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
70~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
71~Link	SLE	Max	0.	0.	0.	0.	0.
71~Link	SLE	Min	0.	0.	0.	0.	0.
71~Link	SLU	Max	0.	0.	0.	0.	0.
71~Link	SLU	Min	0.	0.	0.	0.	0.
71~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
71~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
71~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
71~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
71~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
71~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
71~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
71~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
72~Link	SLE	Max	0.	0.	0.	0.	0.
72~Link	SLE	Min	0.	0.	0.	0.	0.
72~Link	SLU	Max	0.	0.	0.	0.	0.
72~Link	SLU	Min	0.	0.	0.	0.	0.
72~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
72~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
72~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
72~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
72~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
72~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
72~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
72~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
73~Link	SLE	Max	0.	0.	0.	0.	0.
73~Link	SLE	Min	0.	0.	0.	0.	0.
73~Link	SLU	Max	0.	0.	0.	0.	0.
73~Link	SLU	Min	0.	0.	0.	0.	0.
73~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
73~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
73~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
73~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
73~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
73~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
73~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
73~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
74~Link	SLE	Max	0.	0.	0.	0.	0.
74~Link	SLE	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
74~Link	SLU	Max	0.	0.	0.	0.	0.
74~Link	SLU	Min	0.	0.	0.	0.	0.
74~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
74~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
74~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
74~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
74~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
74~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
74~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
74~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
75~Link	SLE	Max	0.	0.	0.	0.	0.
75~Link	SLE	Min	0.	0.	0.	0.	0.
75~Link	SLU	Max	0.	0.	0.	0.	0.
75~Link	SLU	Min	0.	0.	0.	0.	0.
75~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
75~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
75~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
75~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
75~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
75~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
75~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
75~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
76~Link	SLE	Max	0.	0.	0.	0.	0.
76~Link	SLE	Min	0.	0.	0.	0.	0.
76~Link	SLU	Max	0.	0.	0.	0.	0.
76~Link	SLU	Min	0.	0.	0.	0.	0.
76~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
76~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
76~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
76~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
76~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
76~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
76~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
76~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
77~Link	SLE	Max	0.	0.	0.	0.	0.
77~Link	SLE	Min	0.	0.	0.	0.	0.
77~Link	SLU	Max	0.	0.	0.	0.	0.
77~Link	SLU	Min	0.	0.	0.	0.	0.
77~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
77~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
77~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
77~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
77~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
77~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
77~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
77~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
78~Link	SLE	Max	0.	0.	0.	0.	0.
78~Link	SLE	Min	0.	0.	0.	0.	0.
78~Link	SLU	Max	0.	0.	0.	0.	0.
78~Link	SLU	Min	0.	0.	0.	0.	0.
78~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
78~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
78~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
78~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
78~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
78~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
78~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
78~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
79~Link	SLE	Max	0.	0.	0.	0.	0.
79~Link	SLE	Min	0.	0.	0.	0.	0.
79~Link	SLU	Max	0.	0.	0.	0.	0.
79~Link	SLU	Min	0.	0.	0.	0.	0.
79~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
79~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
79~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
79~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
79~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
79~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
79~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
79~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
80~Link	SLE	Max	0.	0.	0.	0.	0.
80~Link	SLE	Min	0.	0.	0.	0.	0.
80~Link	SLU	Max	0.	0.	0.	0.	0.
80~Link	SLU	Min	0.	0.	0.	0.	0.
80~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
80~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
80~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
80~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
80~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
80~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
80~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
80~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
81~Link	SLE	Max	0.	0.	0.	0.	0.
81~Link	SLE	Min	0.	0.	0.	0.	0.
81~Link	SLU	Max	0.	0.	0.	0.	0.
81~Link	SLU	Min	0.	0.	0.	0.	0.
81~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
81~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
81~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
81~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
81~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
81~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
81~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
81~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
82~Link	SLE	Max	0.	0.	0.	0.	0.
82~Link	SLE	Min	0.	0.	0.	0.	0.
82~Link	SLU	Max	0.	0.	0.	0.	0.
82~Link	SLU	Min	0.	0.	0.	0.	0.
82~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
82~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
82~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
82~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
82~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
82~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
82~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
82~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.
83~Link	SLE	Max	0.	0.	0.	0.	0.
83~Link	SLE	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
83~Link	SLU	Max	0.	0.	0.	0.	0.
83~Link	SLU	Min	0.	0.	0.	0.	0.
83~Link	SLV_DX_D	Max	0.	0.	0.	0.	0.
83~Link	SLV_DX_D	Min	0.	0.	0.	0.	0.
83~Link	SLV_SX_D	Max	0.	0.	0.	0.	0.
83~Link	SLV_SX_D	Min	0.	0.	0.	0.	0.
83~Link	SLV_DX_U	Max	0.	0.	0.	0.	0.
83~Link	SLV_DX_U	Min	0.	0.	0.	0.	0.
83~Link	SLV_SX_U	Max	0.	0.	0.	0.	0.
83~Link	SLV_SX_U	Min	0.	0.	0.	0.	0.

Table 19: Joint Displacements, Part 2 of 2

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
4	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
12	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
17	0.
17	0.
17	0.
17	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
21	0.
21	0.
21	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
26	0.
26	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
30	0.
30	0.
30	0.
30	0.
30	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
39	0.
39	0.
39	0.
39	0.
39	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
43	0.
43	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
48	0.
48	0.
48	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
52	0.
52	0.
52	0.
52	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
57	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
65	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
70	0.
70	0.
70	0.
70	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
74	0.
74	0.
74	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
79	0.
79	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
83	0.
83	0.
83	0.
83	0.
83	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
84~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
1~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.
2~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
3~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
4~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
5~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
6~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
7~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
8~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
9~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
10~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.
11~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
11~Link	0.
11~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
12~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
13~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
14~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
15~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
16~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
17~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
18~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
19~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
20~Link	0.
20~Link	0.
20~Link	0.
20~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
21~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
22~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
23~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
24~Link	0.
25~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
25~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
26~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
27~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
28~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
29~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
30~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
31~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
32~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.
33~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
33~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
34~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
35~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
36~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
37~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
38~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
39~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
40~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
41~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.
42~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
42~Link	0.
42~Link	0.
42~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
43~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
44~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
45~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
46~Link	0.
47~Link	0.
47~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
47~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
48~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
49~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
50~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
51~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
52~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
53~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
54~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.
55~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
56~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
57~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
58~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
59~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
60~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
61~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
62~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
63~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.
64~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
64~Link	0.
64~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
65~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
66~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
67~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
68~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
69~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
70~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
71~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
72~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
73~Link	0.
73~Link	0.
73~Link	0.
73~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
74~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
75~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
76~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
77~Link	0.
78~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
78~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
79~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
80~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
81~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.

Table 19: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
82~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.
83~Link	0.

Table 20: Joint Reactions, Part 1 of 2

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
1	SLE	Max	14.24	0.	0.	0.	0.
1	SLE	Min	14.24	0.	0.	0.	0.
1	SLU	Max	18.512	0.	0.	0.	0.
1	SLU	Min	18.512	0.	0.	0.	0.
1	SLV_DX_D	Max	70.099	0.	0.	0.	0.
1	SLV_DX_D	Min	70.099	0.	0.	0.	0.
1	SLV_SX_D	Max	0.	0.	0.	0.	0.
1	SLV_SX_D	Min	0.	0.	0.	0.	0.
1	SLV_DX_U	Max	73.149	0.	0.	0.	0.
1	SLV_DX_U	Min	73.149	0.	0.	0.	0.
1	SLV_SX_U	Max	0.	0.	0.	0.	0.
1	SLV_SX_U	Min	0.	0.	0.	0.	0.
2	SLE	Max	15.618	0.	0.	0.	0.
2	SLE	Min	15.618	0.	0.	0.	0.
2	SLU	Max	20.304	0.	0.	0.	0.
2	SLU	Min	20.304	0.	0.	0.	0.
2	SLV_DX_D	Max	65.582	0.	0.	0.	0.
2	SLV_DX_D	Min	65.582	0.	0.	0.	0.
2	SLV_SX_D	Max	0.	0.	0.	0.	0.
2	SLV_SX_D	Min	0.	0.	0.	0.	0.
2	SLV_DX_U	Max	65.76	0.	0.	0.	0.
2	SLV_DX_U	Min	65.76	0.	0.	0.	0.
2	SLV_SX_U	Max	0.	0.	0.	0.	0.
2	SLV_SX_U	Min	0.	0.	0.	0.	0.
3	SLE	Max	17.959	0.	0.	0.	0.
3	SLE	Min	17.959	0.	0.	0.	0.
3	SLU	Max	23.346	0.	0.	0.	0.
3	SLU	Min	23.346	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
3	SLV_DX_D	Max	67.601	0.	0.	0.	0.
3	SLV_DX_D	Min	67.601	0.	0.	0.	0.
3	SLV_SX_D	Max	0.	0.	0.	0.	0.
3	SLV_SX_D	Min	0.	0.	0.	0.	0.
3	SLV_DX_U	Max	65.397	0.	0.	0.	0.
3	SLV_DX_U	Min	65.397	0.	0.	0.	0.
3	SLV_SX_U	Max	0.	0.	0.	0.	0.
3	SLV_SX_U	Min	0.	0.	0.	0.	0.
4	SLE	Max	19.814	0.	0.	0.	0.
4	SLE	Min	19.814	0.	0.	0.	0.
4	SLU	Max	25.758	0.	0.	0.	0.
4	SLU	Min	25.758	0.	0.	0.	0.
4	SLV_DX_D	Max	69.589	0.	0.	0.	0.
4	SLV_DX_D	Min	69.589	0.	0.	0.	0.
4	SLV_SX_D	Max	0.	0.	0.	0.	0.
4	SLV_SX_D	Min	0.	0.	0.	0.	0.
4	SLV_DX_U	Max	65.311	0.	0.	0.	0.
4	SLV_DX_U	Min	65.311	0.	0.	0.	0.
4	SLV_SX_U	Max	0.	0.	0.	0.	0.
4	SLV_SX_U	Min	0.	0.	0.	0.	0.
5	SLE	Max	21.124	0.	0.	0.	0.
5	SLE	Min	21.124	0.	0.	0.	0.
5	SLU	Max	27.461	0.	0.	0.	0.
5	SLU	Min	27.461	0.	0.	0.	0.
5	SLV_DX_D	Max	71.757	0.	0.	0.	0.
5	SLV_DX_D	Min	71.757	0.	0.	0.	0.
5	SLV_SX_D	Max	0.	0.	0.	0.	0.
5	SLV_SX_D	Min	0.	0.	0.	0.	0.
5	SLV_DX_U	Max	65.829	0.	0.	0.	0.
5	SLV_DX_U	Min	65.829	0.	0.	0.	0.
5	SLV_SX_U	Max	0.	0.	0.	0.	0.
5	SLV_SX_U	Min	0.	0.	0.	0.	0.
6	SLE	Max	22.345	0.	0.	0.	0.
6	SLE	Min	22.345	0.	0.	0.	0.
6	SLU	Max	29.048	0.	0.	0.	0.
6	SLU	Min	29.048	0.	0.	0.	0.
6	SLV_DX_D	Max	75.939	0.	0.	0.	0.
6	SLV_DX_D	Min	75.939	0.	0.	0.	0.
6	SLV_SX_D	Max	0.	0.	0.	0.	0.
6	SLV_SX_D	Min	0.	0.	0.	0.	0.
6	SLV_DX_U	Max	68.723	0.	0.	0.	0.
6	SLV_DX_U	Min	68.723	0.	0.	0.	0.
6	SLV_SX_U	Max	0.	0.	0.	0.	0.
6	SLV_SX_U	Min	0.	0.	0.	0.	0.
7	SLE	Max	22.987	0.	0.	0.	0.
7	SLE	Min	22.987	0.	0.	0.	0.
7	SLU	Max	29.883	0.	0.	0.	0.
7	SLU	Min	29.883	0.	0.	0.	0.
7	SLV_DX_D	Max	80.924	0.	0.	0.	0.
7	SLV_DX_D	Min	80.924	0.	0.	0.	0.
7	SLV_SX_D	Max	0.	0.	0.	0.	0.
7	SLV_SX_D	Min	0.	0.	0.	0.	0.
7	SLV_DX_U	Max	72.96	0.	0.	0.	0.
7	SLV_DX_U	Min	72.96	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
7	SLV_SX_U	Max	0.	0.	0.	0.	0.
7	SLV_SX_U	Min	0.	0.	0.	0.	0.
8	SLE	Max	22.495	0.	0.	0.	0.
8	SLE	Min	22.495	0.	0.	0.	0.
8	SLU	Max	29.244	0.	0.	0.	0.
8	SLU	Min	29.244	0.	0.	0.	0.
8	SLV_DX_D	Max	84.905	0.	0.	0.	0.
8	SLV_DX_D	Min	84.905	0.	0.	0.	0.
8	SLV_SX_D	Max	0.	0.	0.	0.	0.
8	SLV_SX_D	Min	0.	0.	0.	0.	0.
8	SLV_DX_U	Max	77.028	0.	0.	0.	0.
8	SLV_DX_U	Min	77.028	0.	0.	0.	0.
8	SLV_SX_U	Max	0.	0.	0.	0.	0.
8	SLV_SX_U	Min	0.	0.	0.	0.	0.
9	SLE	Max	21.379	0.	0.	0.	0.
9	SLE	Min	21.379	0.	0.	0.	0.
9	SLU	Max	27.792	0.	0.	0.	0.
9	SLU	Min	27.792	0.	0.	0.	0.
9	SLV_DX_D	Max	89.454	0.	0.	0.	0.
9	SLV_DX_D	Min	89.454	0.	0.	0.	0.
9	SLV_SX_D	Max	0.	0.	0.	0.	0.
9	SLV_SX_D	Min	0.	0.	0.	0.	0.
9	SLV_DX_U	Max	82.321	0.	0.	0.	0.
9	SLV_DX_U	Min	82.321	0.	0.	0.	0.
9	SLV_SX_U	Max	0.	0.	0.	0.	0.
9	SLV_SX_U	Min	0.	0.	0.	0.	0.
10	SLE	Max	19.699	0.	0.	0.	0.
10	SLE	Min	19.699	0.	0.	0.	0.
10	SLU	Max	25.609	0.	0.	0.	0.
10	SLU	Min	25.609	0.	0.	0.	0.
10	SLV_DX_D	Max	94.399	0.	0.	0.	0.
10	SLV_DX_D	Min	94.399	0.	0.	0.	0.
10	SLV_SX_D	Max	0.	0.	0.	0.	0.
10	SLV_SX_D	Min	0.	0.	0.	0.	0.
10	SLV_DX_U	Max	88.581	0.	0.	0.	0.
10	SLV_DX_U	Min	88.581	0.	0.	0.	0.
10	SLV_SX_U	Max	0.	0.	0.	0.	0.
10	SLV_SX_U	Min	0.	0.	0.	0.	0.
11	SLE	Max	17.554	0.	0.	0.	0.
11	SLE	Min	17.554	0.	0.	0.	0.
11	SLU	Max	22.82	0.	0.	0.	0.
11	SLU	Min	22.82	0.	0.	0.	0.
11	SLV_DX_D	Max	99.535	0.	0.	0.	0.
11	SLV_DX_D	Min	99.535	0.	0.	0.	0.
11	SLV_SX_D	Max	0.	0.	0.	0.	0.
11	SLV_SX_D	Min	0.	0.	0.	0.	0.
11	SLV_DX_U	Max	95.476	0.	0.	0.	0.
11	SLV_DX_U	Min	95.476	0.	0.	0.	0.
11	SLV_SX_U	Max	0.	0.	0.	0.	0.
11	SLV_SX_U	Min	0.	0.	0.	0.	0.
12	SLE	Max	15.039	0.	0.	0.	0.
12	SLE	Min	15.039	0.	0.	0.	0.
12	SLU	Max	19.551	0.	0.	0.	0.
12	SLU	Min	19.551	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
12	SLV_DX_D	Max	104.691	0.	0.	0.	0.
12	SLV_DX_D	Min	104.691	0.	0.	0.	0.
12	SLV_SX_D	Max	0.	0.	0.	0.	0.
12	SLV_SX_D	Min	0.	0.	0.	0.	0.
12	SLV_DX_U	Max	102.718	0.	0.	0.	0.
12	SLV_DX_U	Min	102.718	0.	0.	0.	0.
12	SLV_SX_U	Max	0.	0.	0.	0.	0.
12	SLV_SX_U	Min	0.	0.	0.	0.	0.
13	SLE	Max	12.239	0.	0.	0.	0.
13	SLE	Min	12.239	0.	0.	0.	0.
13	SLU	Max	15.91	0.	0.	0.	0.
13	SLU	Min	15.91	0.	0.	0.	0.
13	SLV_DX_D	Max	109.75	0.	0.	0.	0.
13	SLV_DX_D	Min	109.75	0.	0.	0.	0.
13	SLV_SX_D	Max	0.	0.	0.	0.	0.
13	SLV_SX_D	Min	0.	0.	0.	0.	0.
13	SLV_DX_U	Max	110.092	0.	0.	0.	0.
13	SLV_DX_U	Min	110.092	0.	0.	0.	0.
13	SLV_SX_U	Max	0.	0.	0.	0.	0.
13	SLV_SX_U	Min	0.	0.	0.	0.	0.
14	SLE	Max	4.613	0.	0.	0.	0.
14	SLE	Min	4.613	0.	0.	0.	0.
14	SLU	Max	5.996	0.	0.	0.	0.
14	SLU	Min	5.996	0.	0.	0.	0.
14	SLV_DX_D	Max	58.126	0.	-0.882	0.	0.
14	SLV_DX_D	Min	58.126	0.	-0.882	0.	0.
14	SLV_SX_D	Max	0.	0.	0.	0.	0.
14	SLV_SX_D	Min	0.	0.	0.	0.	0.
14	SLV_DX_U	Max	60.009	0.	-1.406	0.	0.
14	SLV_DX_U	Min	60.009	0.	-1.406	0.	0.
14	SLV_SX_U	Max	0.	0.	0.	0.	0.
14	SLV_SX_U	Min	0.	0.	0.	0.	0.
15	SLE	Max	0.	0.	0.	0.	0.
15	SLE	Min	0.	0.	0.	0.	0.
15	SLU	Max	0.	0.	0.	0.	0.
15	SLU	Min	0.	0.	0.	0.	0.
15	SLV_DX_D	Max	1.689	0.	-1.903	0.	0.
15	SLV_DX_D	Min	1.689	0.	-1.903	0.	0.
15	SLV_SX_D	Max	0.	0.	0.	0.	0.
15	SLV_SX_D	Min	0.	0.	0.	0.	0.
15	SLV_DX_U	Max	2.75	0.	-3.101	0.	0.
15	SLV_DX_U	Min	2.75	0.	-3.101	0.	0.
15	SLV_SX_U	Max	0.	0.	0.	0.	0.
15	SLV_SX_U	Min	0.	0.	0.	0.	0.
16	SLE	Max	0.	0.	0.	0.	0.
16	SLE	Min	0.	0.	0.	0.	0.
16	SLU	Max	0.	0.	0.	0.	0.
16	SLU	Min	0.	0.	0.	0.	0.
16	SLV_DX_D	Max	1.659	0.	-1.982	0.	0.
16	SLV_DX_D	Min	1.659	0.	-1.982	0.	0.
16	SLV_SX_D	Max	0.	0.	0.	0.	0.
16	SLV_SX_D	Min	0.	0.	0.	0.	0.
16	SLV_DX_U	Max	2.816	0.	-3.365	0.	0.
16	SLV_DX_U	Min	2.816	0.	-3.365	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
16	SLV_SX_U	Max	0.	0.	0.	0.	0.
16	SLV_SX_U	Min	0.	0.	0.	0.	0.
17	SLE	Max	0.	0.	0.	0.	0.
17	SLE	Min	0.	0.	0.	0.	0.
17	SLU	Max	0.	0.	0.	0.	0.
17	SLU	Min	0.	0.	0.	0.	0.
17	SLV_DX_D	Max	1.615	0.	-2.046	0.	0.
17	SLV_DX_D	Min	1.615	0.	-2.046	0.	0.
17	SLV_SX_D	Max	0.	0.	0.	0.	0.
17	SLV_SX_D	Min	0.	0.	0.	0.	0.
17	SLV_DX_U	Max	2.862	0.	-3.628	0.	0.
17	SLV_DX_U	Min	2.862	0.	-3.628	0.	0.
17	SLV_SX_U	Max	0.	0.	0.	0.	0.
17	SLV_SX_U	Min	0.	0.	0.	0.	0.
18	SLE	Max	0.	0.	0.	0.	0.
18	SLE	Min	0.	0.	0.	0.	0.
18	SLU	Max	0.	0.	0.	0.	0.
18	SLU	Min	0.	0.	0.	0.	0.
18	SLV_DX_D	Max	1.556	0.	-2.093	0.	0.
18	SLV_DX_D	Min	1.556	0.	-2.093	0.	0.
18	SLV_SX_D	Max	0.	0.	0.	0.	0.
18	SLV_SX_D	Min	0.	0.	0.	0.	0.
18	SLV_DX_U	Max	2.888	0.	-3.886	0.	0.
18	SLV_DX_U	Min	2.888	0.	-3.886	0.	0.
18	SLV_SX_U	Max	0.	0.	0.	0.	0.
18	SLV_SX_U	Min	0.	0.	0.	0.	0.
19	SLE	Max	0.	0.	0.	0.	0.
19	SLE	Min	0.	0.	0.	0.	0.
19	SLU	Max	0.	0.	0.	0.	0.
19	SLU	Min	0.	0.	0.	0.	0.
19	SLV_DX_D	Max	1.483	0.	-2.119	0.	0.
19	SLV_DX_D	Min	1.483	0.	-2.119	0.	0.
19	SLV_SX_D	Max	0.	0.	0.	0.	0.
19	SLV_SX_D	Min	0.	0.	0.	0.	0.
19	SLV_DX_U	Max	2.892	0.	-4.135	0.	0.
19	SLV_DX_U	Min	2.892	0.	-4.135	0.	0.
19	SLV_SX_U	Max	0.	0.	0.	0.	0.
19	SLV_SX_U	Min	0.	0.	0.	0.	0.
20	SLE	Max	0.	0.	0.	0.	0.
20	SLE	Min	0.	0.	0.	0.	0.
20	SLU	Max	0.	0.	0.	0.	0.
20	SLU	Min	0.	0.	0.	0.	0.
20	SLV_DX_D	Max	1.395	0.	-2.12	0.	0.
20	SLV_DX_D	Min	1.395	0.	-2.12	0.	0.
20	SLV_SX_D	Max	0.	0.	0.	0.	0.
20	SLV_SX_D	Min	0.	0.	0.	0.	0.
20	SLV_DX_U	Max	2.871	0.	-4.368	0.	0.
20	SLV_DX_U	Min	2.871	0.	-4.368	0.	0.
20	SLV_SX_U	Max	0.	0.	0.	0.	0.
20	SLV_SX_U	Min	0.	0.	0.	0.	0.
21	SLE	Max	0.	0.	0.	0.	0.
21	SLE	Min	0.	0.	0.	0.	0.
21	SLU	Max	0.	0.	0.	0.	0.
21	SLU	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
21	SLV_DX_D	Max	1.293	0.	-2.094	0.	0.
21	SLV_DX_D	Min	1.293	0.	-2.094	0.	0.
21	SLV_SX_D	Max	0.	0.	0.	0.	0.
21	SLV_SX_D	Min	0.	0.	0.	0.	0.
21	SLV_DX_U	Max	2.823	0.	-4.577	0.	0.
21	SLV_DX_U	Min	2.823	0.	-4.577	0.	0.
21	SLV_SX_U	Max	0.	0.	0.	0.	0.
21	SLV_SX_U	Min	0.	0.	0.	0.	0.
22	SLE	Max	0.	0.	0.	0.	0.
22	SLE	Min	0.	0.	0.	0.	0.
22	SLU	Max	0.	0.	0.	0.	0.
22	SLU	Min	0.	0.	0.	0.	0.
22	SLV_DX_D	Max	1.159	0.	-2.057	0.	0.
22	SLV_DX_D	Min	1.159	0.	-2.057	0.	0.
22	SLV_SX_D	Max	0.	0.	0.	0.	0.
22	SLV_SX_D	Min	0.	0.	0.	0.	0.
22	SLV_DX_U	Max	2.769	0.	-4.928	0.	0.
22	SLV_DX_U	Min	2.769	0.	-4.928	0.	0.
22	SLV_SX_U	Max	0.	0.	0.	0.	0.
22	SLV_SX_U	Min	0.	0.	0.	0.	0.
23	SLE	Max	0.	0.	0.	0.	0.
23	SLE	Min	0.	0.	0.	0.	0.
23	SLU	Max	0.	0.	0.	0.	0.
23	SLU	Min	0.	0.	0.	0.	0.
23	SLV_DX_D	Max	0.891	0.	-1.822	0.	0.
23	SLV_DX_D	Min	0.891	0.	-1.822	0.	0.
23	SLV_SX_D	Max	0.	0.	0.	0.	0.
23	SLV_SX_D	Min	0.	0.	0.	0.	0.
23	SLV_DX_U	Max	2.494	0.	-5.152	0.	0.
23	SLV_DX_U	Min	2.494	0.	-5.152	0.	0.
23	SLV_SX_U	Max	0.	0.	0.	0.	0.
23	SLV_SX_U	Min	0.	0.	0.	0.	0.
24	SLE	Max	0.	0.	0.	0.	0.
24	SLE	Min	0.	0.	0.	0.	0.
24	SLU	Max	0.	0.	0.	0.	0.
24	SLU	Min	0.	0.	0.	0.	0.
24	SLV_DX_D	Max	0.531	0.	-1.32	0.	0.
24	SLV_DX_D	Min	0.531	0.	-1.32	0.	0.
24	SLV_SX_D	Max	0.	0.	0.	0.	0.
24	SLV_SX_D	Min	0.	0.	0.	0.	0.
24	SLV_DX_U	Max	1.962	0.	-4.966	0.	0.
24	SLV_DX_U	Min	1.962	0.	-4.966	0.	0.
24	SLV_SX_U	Max	0.	0.	0.	0.	0.
24	SLV_SX_U	Min	0.	0.	0.	0.	0.
25	SLE	Max	0.	0.	0.	0.	0.
25	SLE	Min	0.	0.	0.	0.	0.
25	SLU	Max	0.	0.	0.	0.	0.
25	SLU	Min	0.	0.	0.	0.	0.
25	SLV_DX_D	Max	0.237	0.	-0.724	0.	0.
25	SLV_DX_D	Min	0.237	0.	-0.724	0.	0.
25	SLV_SX_D	Max	0.	0.	0.	0.	0.
25	SLV_SX_D	Min	0.	0.	0.	0.	0.
25	SLV_DX_U	Max	1.442	0.	-4.63	0.	0.
25	SLV_DX_U	Min	1.442	0.	-4.63	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
25	SLV_SX_U	Max	0.	0.	0.	0.	0.
25	SLV_SX_U	Min	0.	0.	0.	0.	0.
26	SLE	Max	0.	0.	0.	0.	0.
26	SLE	Min	0.	0.	0.	0.	0.
26	SLU	Max	0.	0.	0.	0.	0.
26	SLU	Min	0.	0.	0.	0.	0.
26	SLV_DX_D	Max	0.051	0.	-0.189	0.	0.
26	SLV_DX_D	Min	0.051	0.	-0.189	0.	0.
26	SLV_SX_D	Max	0.	0.	0.	0.	0.
26	SLV_SX_D	Min	0.	0.	0.	0.	0.
26	SLV_DX_U	Max	0.959	0.	-4.142	0.	0.
26	SLV_DX_U	Min	0.959	0.	-4.142	0.	0.
26	SLV_SX_U	Max	0.	0.	0.	0.	0.
26	SLV_SX_U	Min	0.	0.	0.	0.	0.
27	SLE	Max	0.	0.	0.	0.	0.
27	SLE	Min	0.	0.	0.	0.	0.
27	SLU	Max	0.	0.	0.	0.	0.
27	SLU	Min	0.	0.	0.	0.	0.
27	SLV_DX_D	Max	0.	0.	0.	0.	0.
27	SLV_DX_D	Min	0.	0.	0.	0.	0.
27	SLV_SX_D	Max	0.	0.	0.	0.	0.
27	SLV_SX_D	Min	0.	0.	0.	0.	0.
27	SLV_DX_U	Max	0.542	0.	-3.506	0.	0.
27	SLV_DX_U	Min	0.542	0.	-3.506	0.	0.
27	SLV_SX_U	Max	0.027	0.	-0.235	0.	0.
27	SLV_SX_U	Min	0.027	0.	-0.235	0.	0.
28	SLE	Max	0.	0.	0.	0.	0.
28	SLE	Min	0.	0.	0.	0.	0.
28	SLU	Max	0.	0.	0.	0.	0.
28	SLU	Min	0.	0.	0.	0.	0.
28	SLV_DX_D	Max	0.	0.	0.	0.	0.
28	SLV_DX_D	Min	0.	0.	0.	0.	0.
28	SLV_SX_D	Max	0.	0.	0.	0.	0.
28	SLV_SX_D	Min	0.	0.	0.	0.	0.
28	SLV_DX_U	Max	0.219	0.	-2.733	0.	0.
28	SLV_DX_U	Min	0.219	0.	-2.733	0.	0.
28	SLV_SX_U	Max	0.084	0.	-1.355	0.	0.
28	SLV_SX_U	Min	0.084	0.	-1.355	0.	0.
29	SLE	Max	0.	0.	0.	0.	0.
29	SLE	Min	0.	0.	0.	0.	0.
29	SLU	Max	0.	0.	0.	0.	0.
29	SLU	Min	0.	0.	0.	0.	0.
29	SLV_DX_D	Max	0.	0.	0.	0.	0.
29	SLV_DX_D	Min	0.	0.	0.	0.	0.
29	SLV_SX_D	Max	0.	0.	0.	0.	0.
29	SLV_SX_D	Min	0.	0.	0.	0.	0.
29	SLV_DX_U	Max	0.015	0.	-1.843	0.	0.
29	SLV_DX_U	Min	0.015	0.	-1.843	0.	0.
29	SLV_SX_U	Max	-0.018	0.	-2.648	0.	0.
29	SLV_SX_U	Min	-0.018	0.	-2.648	0.	0.
30	SLE	Max	0.	0.	0.	0.	0.
30	SLE	Min	0.	0.	0.	0.	0.
30	SLU	Max	0.	0.	0.	0.	0.
30	SLU	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
30	SLV_DX_D	Max	0.	0.	0.	0.	0.
30	SLV_DX_D	Min	0.	0.	0.	0.	0.
30	SLV_SX_D	Max	-3.323E-03	0.	-0.029	0.	0.
30	SLV_SX_D	Min	-3.323E-03	0.	-0.029	0.	0.
30	SLV_DX_U	Max	-0.05	0.	-0.86	0.	0.
30	SLV_DX_U	Min	-0.05	0.	-0.86	0.	0.
30	SLV_SX_U	Max	-0.304	0.	-3.828	0.	0.
30	SLV_SX_U	Min	-0.304	0.	-3.828	0.	0.
31	SLE	Max	0.	0.	0.	0.	0.
31	SLE	Min	0.	0.	0.	0.	0.
31	SLU	Max	0.	0.	0.	0.	0.
31	SLU	Min	0.	0.	0.	0.	0.
31	SLV_DX_D	Max	0.	0.	0.	0.	0.
31	SLV_DX_D	Min	0.	0.	0.	0.	0.
31	SLV_SX_D	Max	-0.127	0.	-0.736	0.	0.
31	SLV_SX_D	Min	-0.127	0.	-0.736	0.	0.
31	SLV_DX_U	Max	-0.012	0.	-0.104	0.	0.
31	SLV_DX_U	Min	-0.012	0.	-0.104	0.	0.
31	SLV_SX_U	Max	-0.749	0.	-4.858	0.	0.
31	SLV_SX_U	Min	-0.749	0.	-4.858	0.	0.
32	SLE	Max	0.	0.	0.	0.	0.
32	SLE	Min	0.	0.	0.	0.	0.
32	SLU	Max	0.	0.	0.	0.	0.
32	SLU	Min	0.	0.	0.	0.	0.
32	SLV_DX_D	Max	0.	0.	0.	0.	0.
32	SLV_DX_D	Min	0.	0.	0.	0.	0.
32	SLV_SX_D	Max	-0.412	0.	-1.736	0.	0.
32	SLV_SX_D	Min	-0.412	0.	-1.736	0.	0.
32	SLV_DX_U	Max	0.	0.	0.	0.	0.
32	SLV_DX_U	Min	0.	0.	0.	0.	0.
32	SLV_SX_U	Max	-1.32	0.	-5.71	0.	0.
32	SLV_SX_U	Min	-1.32	0.	-5.71	0.	0.
33	SLE	Max	0.	0.	0.	0.	0.
33	SLE	Min	0.	0.	0.	0.	0.
33	SLU	Max	0.	0.	0.	0.	0.
33	SLU	Min	0.	0.	0.	0.	0.
33	SLV_DX_D	Max	0.	0.	0.	0.	0.
33	SLV_DX_D	Min	0.	0.	0.	0.	0.
33	SLV_SX_D	Max	-0.821	0.	-2.611	0.	0.
33	SLV_SX_D	Min	-0.821	0.	-2.611	0.	0.
33	SLV_DX_U	Max	0.	0.	0.	0.	0.
33	SLV_DX_U	Min	0.	0.	0.	0.	0.
33	SLV_SX_U	Max	-1.979	0.	-6.364	0.	0.
33	SLV_SX_U	Min	-1.979	0.	-6.364	0.	0.
34	SLE	Max	0.	0.	0.	0.	0.
34	SLE	Min	0.	0.	0.	0.	0.
34	SLU	Max	0.	0.	0.	0.	0.
34	SLU	Min	0.	0.	0.	0.	0.
34	SLV_DX_D	Max	0.	0.	0.	0.	0.
34	SLV_DX_D	Min	0.	0.	0.	0.	0.
34	SLV_SX_D	Max	-1.327	0.	-3.34	0.	0.
34	SLV_SX_D	Min	-1.327	0.	-3.34	0.	0.
34	SLV_DX_U	Max	0.	0.	0.	0.	0.
34	SLV_DX_U	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
34	SLV_SX_U	Max	-2.689	0.	-6.811	0.	0.
34	SLV_SX_U	Min	-2.689	0.	-6.811	0.	0.
35	SLE	Max	0.	0.	0.	0.	0.
35	SLE	Min	0.	0.	0.	0.	0.
35	SLU	Max	0.	0.	0.	0.	0.
35	SLU	Min	0.	0.	0.	0.	0.
35	SLV_DX_D	Max	0.	0.	0.	0.	0.
35	SLV_DX_D	Min	0.	0.	0.	0.	0.
35	SLV_SX_D	Max	-1.898	0.	-3.908	0.	0.
35	SLV_SX_D	Min	-1.898	0.	-3.908	0.	0.
35	SLV_DX_U	Max	0.	0.	0.	0.	0.
35	SLV_DX_U	Min	0.	0.	0.	0.	0.
35	SLV_SX_U	Max	-3.41	0.	-7.05	0.	0.
35	SLV_SX_U	Min	-3.41	0.	-7.05	0.	0.
36	SLE	Max	0.	0.	0.	0.	0.
36	SLE	Min	0.	0.	0.	0.	0.
36	SLU	Max	0.	0.	0.	0.	0.
36	SLU	Min	0.	0.	0.	0.	0.
36	SLV_DX_D	Max	0.	0.	0.	0.	0.
36	SLV_DX_D	Min	0.	0.	0.	0.	0.
36	SLV_SX_D	Max	-2.279	0.	-4.053	0.	0.
36	SLV_SX_D	Min	-2.279	0.	-4.053	0.	0.
36	SLV_DX_U	Max	0.	0.	0.	0.	0.
36	SLV_DX_U	Min	0.	0.	0.	0.	0.
36	SLV_SX_U	Max	-3.785	0.	-6.74	0.	0.
36	SLV_SX_U	Min	-3.785	0.	-6.74	0.	0.
37	SLE	Max	0.	0.	0.	0.	0.
37	SLE	Min	0.	0.	0.	0.	0.
37	SLU	Max	0.	0.	0.	0.	0.
37	SLU	Min	0.	0.	0.	0.	0.
37	SLV_DX_D	Max	0.	0.	0.	0.	0.
37	SLV_DX_D	Min	0.	0.	0.	0.	0.
37	SLV_SX_D	Max	-2.443	0.	-3.96	0.	0.
37	SLV_SX_D	Min	-2.443	0.	-3.96	0.	0.
37	SLV_DX_U	Max	0.	0.	0.	0.	0.
37	SLV_DX_U	Min	0.	0.	0.	0.	0.
37	SLV_SX_U	Max	-3.865	0.	-6.268	0.	0.
37	SLV_SX_U	Min	-3.865	0.	-6.268	0.	0.
38	SLE	Max	0.	0.	0.	0.	0.
38	SLE	Min	0.	0.	0.	0.	0.
38	SLU	Max	0.	0.	0.	0.	0.
38	SLU	Min	0.	0.	0.	0.	0.
38	SLV_DX_D	Max	0.	0.	0.	0.	0.
38	SLV_DX_D	Min	0.	0.	0.	0.	0.
38	SLV_SX_D	Max	-2.576	0.	-3.919	0.	0.
38	SLV_SX_D	Min	-2.576	0.	-3.919	0.	0.
38	SLV_DX_U	Max	0.	0.	0.	0.	0.
38	SLV_DX_U	Min	0.	0.	0.	0.	0.
38	SLV_SX_U	Max	-3.94	0.	-5.996	0.	0.
38	SLV_SX_U	Min	-3.94	0.	-5.996	0.	0.
39	SLE	Max	0.	0.	0.	0.	0.
39	SLE	Min	0.	0.	0.	0.	0.
39	SLU	Max	0.	0.	0.	0.	0.
39	SLU	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
39	SLV_DX_D	Max	0.	0.	0.	0.	0.
39	SLV_DX_D	Min	0.	0.	0.	0.	0.
39	SLV_SX_D	Max	-2.677	0.	-3.827	0.	0.
39	SLV_SX_D	Min	-2.677	0.	-3.827	0.	0.
39	SLV_DX_U	Max	0.	0.	0.	0.	0.
39	SLV_DX_U	Min	0.	0.	0.	0.	0.
39	SLV_SX_U	Max	-3.973	0.	-5.681	0.	0.
39	SLV_SX_U	Min	-3.973	0.	-5.681	0.	0.
40	SLE	Max	0.	0.	0.	0.	0.
40	SLE	Min	0.	0.	0.	0.	0.
40	SLU	Max	0.	0.	0.	0.	0.
40	SLU	Min	0.	0.	0.	0.	0.
40	SLV_DX_D	Max	0.	0.	0.	0.	0.
40	SLV_DX_D	Min	0.	0.	0.	0.	0.
40	SLV_SX_D	Max	-2.747	0.	-3.696	0.	0.
40	SLV_SX_D	Min	-2.747	0.	-3.696	0.	0.
40	SLV_DX_U	Max	0.	0.	0.	0.	0.
40	SLV_DX_U	Min	0.	0.	0.	0.	0.
40	SLV_SX_U	Max	-3.966	0.	-5.338	0.	0.
40	SLV_SX_U	Min	-3.966	0.	-5.338	0.	0.
41	SLE	Max	0.	0.	0.	0.	0.
41	SLE	Min	0.	0.	0.	0.	0.
41	SLU	Max	0.	0.	0.	0.	0.
41	SLU	Min	0.	0.	0.	0.	0.
41	SLV_DX_D	Max	0.	0.	0.	0.	0.
41	SLV_DX_D	Min	0.	0.	0.	0.	0.
41	SLV_SX_D	Max	-2.788	0.	-3.534	0.	0.
41	SLV_SX_D	Min	-2.788	0.	-3.534	0.	0.
41	SLV_DX_U	Max	0.	0.	0.	0.	0.
41	SLV_DX_U	Min	0.	0.	0.	0.	0.
41	SLV_SX_U	Max	-3.926	0.	-4.978	0.	0.
41	SLV_SX_U	Min	-3.926	0.	-4.978	0.	0.
42	SLE	Max	0.	0.	0.	0.	0.
42	SLE	Min	0.	0.	0.	0.	0.
42	SLU	Max	0.	0.	0.	0.	0.
42	SLU	Min	0.	0.	0.	0.	0.
42	SLV_DX_D	Max	0.	0.	0.	0.	0.
42	SLV_DX_D	Min	0.	0.	0.	0.	0.
42	SLV_SX_D	Max	-2.803	0.	-3.35	0.	0.
42	SLV_SX_D	Min	-2.803	0.	-3.35	0.	0.
42	SLV_DX_U	Max	0.	0.	0.	0.	0.
42	SLV_DX_U	Min	0.	0.	0.	0.	0.
42	SLV_SX_U	Max	-3.856	0.	-4.609	0.	0.
42	SLV_SX_U	Min	-3.856	0.	-4.609	0.	0.
43	SLE	Max	0.	0.	0.	0.	0.
43	SLE	Min	0.	0.	0.	0.	0.
43	SLU	Max	0.	0.	0.	0.	0.
43	SLU	Min	0.	0.	0.	0.	0.
43	SLV_DX_D	Max	0.	0.	0.	0.	0.
43	SLV_DX_D	Min	0.	0.	0.	0.	0.
43	SLV_SX_D	Max	-2.795	0.	-3.151	0.	0.
43	SLV_SX_D	Min	-2.795	0.	-3.151	0.	0.
43	SLV_DX_U	Max	0.	0.	0.	0.	0.
43	SLV_DX_U	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
43	SLV_SX_U	Max	-3.758	0.	-4.238	0.	0.
43	SLV_SX_U	Min	-3.758	0.	-4.238	0.	0.
44	SLE	Max	-12.844	0.	0.	0.	0.
44	SLE	Min	-12.844	0.	0.	0.	0.
44	SLU	Max	-16.697	0.	0.	0.	0.
44	SLU	Min	-16.697	0.	0.	0.	0.
44	SLV_DX_D	Max	0.	0.	0.	0.	0.
44	SLV_DX_D	Min	0.	0.	0.	0.	0.
44	SLV_SX_D	Max	-71.783	0.	-1.45	0.	0.
44	SLV_SX_D	Min	-71.783	0.	-1.45	0.	0.
44	SLV_DX_U	Max	0.	0.	0.	0.	0.
44	SLV_DX_U	Min	0.	0.	0.	0.	0.
44	SLV_SX_U	Max	-73.424	0.	-1.925	0.	0.
44	SLV_SX_U	Min	-73.424	0.	-1.925	0.	0.
45	SLE	Max	-27.313	0.	0.	0.	0.
45	SLE	Min	-27.313	0.	0.	0.	0.
45	SLU	Max	-35.507	0.	0.	0.	0.
45	SLU	Min	-35.507	0.	0.	0.	0.
45	SLV_DX_D	Max	0.	0.	0.	0.	0.
45	SLV_DX_D	Min	0.	0.	0.	0.	0.
45	SLV_SX_D	Max	-133.762	0.	0.	0.	0.
45	SLV_SX_D	Min	-133.762	0.	0.	0.	0.
45	SLV_DX_U	Max	0.	0.	0.	0.	0.
45	SLV_DX_U	Min	0.	0.	0.	0.	0.
45	SLV_SX_U	Max	-133.891	0.	0.	0.	0.
45	SLV_SX_U	Min	-133.891	0.	0.	0.	0.
46	SLE	Max	-28.719	0.	0.	0.	0.
46	SLE	Min	-28.719	0.	0.	0.	0.
46	SLU	Max	-37.335	0.	0.	0.	0.
46	SLU	Min	-37.335	0.	0.	0.	0.
46	SLV_DX_D	Max	0.	0.	0.	0.	0.
46	SLV_DX_D	Min	0.	0.	0.	0.	0.
46	SLV_SX_D	Max	-126.456	0.	0.	0.	0.
46	SLV_SX_D	Min	-126.456	0.	0.	0.	0.
46	SLV_DX_U	Max	0.	0.	0.	0.	0.
46	SLV_DX_U	Min	0.	0.	0.	0.	0.
46	SLV_SX_U	Max	-124.447	0.	0.	0.	0.
46	SLV_SX_U	Min	-124.447	0.	0.	0.	0.
47	SLE	Max	-29.853	0.	0.	0.	0.
47	SLE	Min	-29.853	0.	0.	0.	0.
47	SLU	Max	-38.808	0.	0.	0.	0.
47	SLU	Min	-38.808	0.	0.	0.	0.
47	SLV_DX_D	Max	0.	0.	0.	0.	0.
47	SLV_DX_D	Min	0.	0.	0.	0.	0.
47	SLV_SX_D	Max	-119.114	0.	0.	0.	0.
47	SLV_SX_D	Min	-119.114	0.	0.	0.	0.
47	SLV_DX_U	Max	0.	0.	0.	0.	0.
47	SLV_DX_U	Min	0.	0.	0.	0.	0.
47	SLV_SX_U	Max	-115.186	0.	0.	0.	0.
47	SLV_SX_U	Min	-115.186	0.	0.	0.	0.
48	SLE	Max	-30.657	0.	0.	0.	0.
48	SLE	Min	-30.657	0.	0.	0.	0.
48	SLU	Max	-39.855	0.	0.	0.	0.
48	SLU	Min	-39.855	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
48	SLV_DX_D	Max	0.	0.	0.	0.	0.
48	SLV_DX_D	Min	0.	0.	0.	0.	0.
48	SLV_SX_D	Max	-111.914	0.	0.	0.	0.
48	SLV_SX_D	Min	-111.914	0.	0.	0.	0.
48	SLV_DX_U	Max	0.	0.	0.	0.	0.
48	SLV_DX_U	Min	0.	0.	0.	0.	0.
48	SLV_SX_U	Max	-106.379	0.	0.	0.	0.
48	SLV_SX_U	Min	-106.379	0.	0.	0.	0.
49	SLE	Max	-31.079	0.	0.	0.	0.
49	SLE	Min	-31.079	0.	0.	0.	0.
49	SLU	Max	-40.403	0.	0.	0.	0.
49	SLU	Min	-40.403	0.	0.	0.	0.
49	SLV_DX_D	Max	0.	0.	0.	0.	0.
49	SLV_DX_D	Min	0.	0.	0.	0.	0.
49	SLV_SX_D	Max	-105.109	0.	0.	0.	0.
49	SLV_SX_D	Min	-105.109	0.	0.	0.	0.
49	SLV_DX_U	Max	0.	0.	0.	0.	0.
49	SLV_DX_U	Min	0.	0.	0.	0.	0.
49	SLV_SX_U	Max	-98.385	0.	0.	0.	0.
49	SLV_SX_U	Min	-98.385	0.	0.	0.	0.
50	SLE	Max	-31.073	0.	0.	0.	0.
50	SLE	Min	-31.073	0.	0.	0.	0.
50	SLU	Max	-40.395	0.	0.	0.	0.
50	SLU	Min	-40.395	0.	0.	0.	0.
50	SLV_DX_D	Max	0.	0.	0.	0.	0.
50	SLV_DX_D	Min	0.	0.	0.	0.	0.
50	SLV_SX_D	Max	-99.	0.	0.	0.	0.
50	SLV_SX_D	Min	-99.	0.	0.	0.	0.
50	SLV_DX_U	Max	0.	0.	0.	0.	0.
50	SLV_DX_U	Min	0.	0.	0.	0.	0.
50	SLV_SX_U	Max	-91.623	0.	0.	0.	0.
50	SLV_SX_U	Min	-91.623	0.	0.	0.	0.
51	SLE	Max	-30.623	0.	0.	0.	0.
51	SLE	Min	-30.623	0.	0.	0.	0.
51	SLU	Max	-39.81	0.	0.	0.	0.
51	SLU	Min	-39.81	0.	0.	0.	0.
51	SLV_DX_D	Max	0.	0.	0.	0.	0.
51	SLV_DX_D	Min	0.	0.	0.	0.	0.
51	SLV_SX_D	Max	-93.841	0.	0.	0.	0.
51	SLV_SX_D	Min	-93.841	0.	0.	0.	0.
51	SLV_DX_U	Max	0.	0.	0.	0.	0.
51	SLV_DX_U	Min	0.	0.	0.	0.	0.
51	SLV_SX_U	Max	-86.42	0.	0.	0.	0.
51	SLV_SX_U	Min	-86.42	0.	0.	0.	0.
52	SLE	Max	-29.109	0.	0.	0.	0.
52	SLE	Min	-29.109	0.	0.	0.	0.
52	SLU	Max	-37.841	0.	0.	0.	0.
52	SLU	Min	-37.841	0.	0.	0.	0.
52	SLV_DX_D	Max	0.	0.	0.	0.	0.
52	SLV_DX_D	Min	0.	0.	0.	0.	0.
52	SLV_SX_D	Max	-87.841	0.	0.	0.	0.
52	SLV_SX_D	Min	-87.841	0.	0.	0.	0.
52	SLV_DX_U	Max	0.	0.	0.	0.	0.
52	SLV_DX_U	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
52	SLV_SX_U	Max	-81.15	0.	0.	0.	0.
52	SLV_SX_U	Min	-81.15	0.	0.	0.	0.
53	SLE	Max	-27.281	0.	0.	0.	0.
53	SLE	Min	-27.281	0.	0.	0.	0.
53	SLU	Max	-35.465	0.	0.	0.	0.
53	SLU	Min	-35.465	0.	0.	0.	0.
53	SLV_DX_D	Max	0.	0.	0.	0.	0.
53	SLV_DX_D	Min	0.	0.	0.	0.	0.
53	SLV_SX_D	Max	-83.091	0.	0.	0.	0.
53	SLV_SX_D	Min	-83.091	0.	0.	0.	0.
53	SLV_DX_U	Max	0.	0.	0.	0.	0.
53	SLV_DX_U	Min	0.	0.	0.	0.	0.
53	SLV_SX_U	Max	-77.621	0.	0.	0.	0.
53	SLV_SX_U	Min	-77.621	0.	0.	0.	0.
54	SLE	Max	-25.706	0.	0.	0.	0.
54	SLE	Min	-25.706	0.	0.	0.	0.
54	SLU	Max	-33.418	0.	0.	0.	0.
54	SLU	Min	-33.418	0.	0.	0.	0.
54	SLV_DX_D	Max	0.	0.	0.	0.	0.
54	SLV_DX_D	Min	0.	0.	0.	0.	0.
54	SLV_SX_D	Max	-80.957	0.	0.	0.	0.
54	SLV_SX_D	Min	-80.957	0.	0.	0.	0.
54	SLV_DX_U	Max	0.	0.	0.	0.	0.
54	SLV_DX_U	Min	0.	0.	0.	0.	0.
54	SLV_SX_U	Max	-77.035	0.	0.	0.	0.
54	SLV_SX_U	Min	-77.035	0.	0.	0.	0.
55	SLE	Max	-23.763	0.	0.	0.	0.
55	SLE	Min	-23.763	0.	0.	0.	0.
55	SLU	Max	-30.891	0.	0.	0.	0.
55	SLU	Min	-30.891	0.	0.	0.	0.
55	SLV_DX_D	Max	0.	0.	0.	0.	0.
55	SLV_DX_D	Min	0.	0.	0.	0.	0.
55	SLV_SX_D	Max	-79.291	0.	0.	0.	0.
55	SLV_SX_D	Min	-79.291	0.	0.	0.	0.
55	SLV_DX_U	Max	0.	0.	0.	0.	0.
55	SLV_DX_U	Min	0.	0.	0.	0.	0.
55	SLV_SX_U	Max	-77.3	0.	0.	0.	0.
55	SLV_SX_U	Min	-77.3	0.	0.	0.	0.
56	SLE	Max	-21.474	0.	0.	0.	0.
56	SLE	Min	-21.474	0.	0.	0.	0.
56	SLU	Max	-27.916	0.	0.	0.	0.
56	SLU	Min	-27.916	0.	0.	0.	0.
56	SLV_DX_D	Max	0.	0.	0.	0.	0.
56	SLV_DX_D	Min	0.	0.	0.	0.	0.
56	SLV_SX_D	Max	-77.804	0.	0.	0.	0.
56	SLV_SX_D	Min	-77.804	0.	0.	0.	0.
56	SLV_DX_U	Max	0.	0.	0.	0.	0.
56	SLV_DX_U	Min	0.	0.	0.	0.	0.
56	SLV_SX_U	Max	-78.02	0.	0.	0.	0.
56	SLV_SX_U	Min	-78.02	0.	0.	0.	0.
57	SLE	Max	-20.884	0.	0.	0.	0.
57	SLE	Min	-20.884	0.	0.	0.	0.
57	SLU	Max	-27.149	0.	0.	0.	0.
57	SLU	Min	-27.149	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
57	SLV_DX_D	Max	0.	0.	0.	0.	0.
57	SLV_DX_D	Min	0.	0.	0.	0.	0.
57	SLV_SX_D	Max	-84.352	0.	0.	0.	0.
57	SLV_SX_D	Min	-84.352	0.	0.	0.	0.
57	SLV_DX_U	Max	0.	0.	0.	0.	0.
57	SLV_DX_U	Min	0.	0.	0.	0.	0.
57	SLV_SX_U	Max	-87.225	0.	0.	0.	0.
57	SLV_SX_U	Min	-87.225	0.	0.	0.	0.
58	SLE	Max	-9.359	0.	218.258	0.	-45.4581
58	SLE	Min	-9.359	0.	218.258	0.	-45.4581
58	SLU	Max	-12.167	0.	283.735	0.	-59.0955
58	SLU	Min	-12.167	0.	283.735	0.	-59.0955
58	SLV_DX_D	Max	0.	0.	156.488	0.	51.7508
58	SLV_DX_D	Min	0.	0.	156.488	0.	51.7508
58	SLV_SX_D	Max	-44.923	0.	204.683	0.	-32.9052
58	SLV_SX_D	Min	-44.923	0.	204.683	0.	-32.9052
58	SLV_DX_U	Max	0.	0.	39.647	0.	102.2813
58	SLV_DX_U	Min	0.	0.	39.647	0.	102.2813
58	SLV_SX_U	Max	-48.304	0.	89.383	0.	3.6516
58	SLV_SX_U	Min	-48.304	0.	89.383	0.	3.6516
59	SLE	Max	0.	0.	381.488	0.	0.
59	SLE	Min	0.	0.	381.488	0.	0.
59	SLU	Max	0.	0.	495.934	0.	0.
59	SLU	Min	0.	0.	495.934	0.	0.
59	SLV_DX_D	Max	0.	0.	356.057	0.	0.
59	SLV_DX_D	Min	0.	0.	356.057	0.	0.
59	SLV_SX_D	Max	0.	0.	365.01	0.	0.
59	SLV_SX_D	Min	0.	0.	365.01	0.	0.
59	SLV_DX_U	Max	0.	0.	177.474	0.	0.
59	SLV_DX_U	Min	0.	0.	177.474	0.	0.
59	SLV_SX_U	Max	0.	0.	174.886	0.	0.
59	SLV_SX_U	Min	0.	0.	174.886	0.	0.
60	SLE	Max	-16.668	-4.259E-15	193.283	0.	0.
60	SLE	Min	-16.668	-4.259E-15	193.283	0.	0.
60	SLU	Max	-21.668	-5.537E-15	251.268	0.	0.
60	SLU	Min	-21.668	-5.537E-15	251.268	0.	0.
60	SLV_DX_D	Max	-3.084	-7.880E-16	203.61	0.	0.
60	SLV_DX_D	Min	-3.084	-7.880E-16	203.61	0.	0.
60	SLV_SX_D	Max	-31.957	-8.166E-15	217.855	0.	0.
60	SLV_SX_D	Min	-31.957	-8.166E-15	217.855	0.	0.
60	SLV_DX_U	Max	0.	0.	136.274	0.	0.
60	SLV_DX_U	Min	0.	0.	136.274	0.	0.
60	SLV_SX_U	Max	-28.096	-7.180E-15	135.847	0.	0.
60	SLV_SX_U	Min	-28.096	-7.180E-15	135.847	0.	0.
61	SLE	Max	-28.313	-7.571E-15	54.936	0.	0.
61	SLE	Min	-28.313	-7.571E-15	54.936	0.	0.
61	SLU	Max	-36.807	-9.842E-15	71.417	0.	0.
61	SLU	Min	-36.807	-9.842E-15	71.417	0.	0.
61	SLV_DX_D	Max	-9.79	-2.637E-15	19.173	0.	0.
61	SLV_DX_D	Min	-9.79	-2.637E-15	19.173	0.	0.
61	SLV_SX_D	Max	-56.992	-1.522E-14	110.415	0.	0.
61	SLV_SX_D	Min	-56.992	-1.522E-14	110.415	0.	0.
61	SLV_DX_U	Max	0.	0.	0.	0.	0.
61	SLV_DX_U	Min	0.	0.	0.	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
61	SLV_SX_U	Max	-51.885	-1.385E-14	100.464	0.	0.
61	SLV_SX_U	Min	-51.885	-1.385E-14	100.464	0.	0.
62	SLE	Max	-22.887	-6.750E-15	50.129	0.	0.
62	SLE	Min	-22.887	-6.750E-15	50.129	0.	0.
62	SLU	Max	-29.753	-8.776E-15	65.167	0.	0.
62	SLU	Min	-29.753	-8.776E-15	65.167	0.	0.
62	SLV_DX_D	Max	-13.07	-3.876E-15	28.82	0.	0.
62	SLV_DX_D	Min	-13.07	-3.876E-15	28.82	0.	0.
62	SLV_SX_D	Max	-47.224	-1.391E-14	103.25	0.	0.
62	SLV_SX_D	Min	-47.224	-1.391E-14	103.25	0.	0.
62	SLV_DX_U	Max	-1.119	-3.480E-16	2.613	0.	0.
62	SLV_DX_U	Min	-1.119	-3.480E-16	2.613	0.	0.
62	SLV_SX_U	Max	-44.047	-1.297E-14	96.243	0.	0.
62	SLV_SX_U	Min	-44.047	-1.297E-14	96.243	0.	0.
63	SLE	Max	-18.263	-6.021E-15	45.631	0.	0.
63	SLE	Min	-18.263	-6.021E-15	45.631	0.	0.
63	SLU	Max	-23.742	-7.827E-15	59.32	0.	0.
63	SLU	Min	-23.742	-7.827E-15	59.32	0.	0.
63	SLV_DX_D	Max	-14.714	-4.875E-15	36.974	0.	0.
63	SLV_DX_D	Min	-14.714	-4.875E-15	36.974	0.	0.
63	SLV_SX_D	Max	-38.673	-1.273E-14	96.417	0.	0.
63	SLV_SX_D	Min	-38.673	-1.273E-14	96.417	0.	0.
63	SLV_DX_U	Max	-6.203	-2.076E-15	15.77	0.	0.
63	SLV_DX_U	Min	-6.203	-2.076E-15	15.77	0.	0.
63	SLV_SX_U	Max	-36.93	-1.215E-14	92.01	0.	0.
63	SLV_SX_U	Min	-36.93	-1.215E-14	92.01	0.	0.
64	SLE	Max	-14.383	-5.388E-15	41.565	0.	0.
64	SLE	Min	-14.383	-5.388E-15	41.565	0.	0.
64	SLU	Max	-18.698	-7.004E-15	54.035	0.	0.
64	SLU	Min	-18.698	-7.004E-15	54.035	0.	0.
64	SLV_DX_D	Max	-15.026	-5.656E-15	43.661	0.	0.
64	SLV_DX_D	Min	-15.026	-5.656E-15	43.661	0.	0.
64	SLV_SX_D	Max	-31.292	-1.169E-14	90.195	0.	0.
64	SLV_SX_D	Min	-31.292	-1.169E-14	90.195	0.	0.
64	SLV_DX_U	Max	-9.614	-3.637E-15	28.089	0.	0.
64	SLV_DX_U	Min	-9.614	-3.637E-15	28.089	0.	0.
64	SLV_SX_U	Max	-30.563	-1.141E-14	88.026	0.	0.
64	SLV_SX_U	Min	-30.563	-1.141E-14	88.026	0.	0.
65	SLE	Max	-11.159	-4.853E-15	38.009	0.	0.
65	SLE	Min	-11.159	-4.853E-15	38.009	0.	0.
65	SLU	Max	-14.507	-6.308E-15	49.411	0.	0.
65	SLU	Min	-14.507	-6.308E-15	49.411	0.	0.
65	SLV_DX_D	Max	-14.299	-6.250E-15	48.976	0.	0.
65	SLV_DX_D	Min	-14.299	-6.250E-15	48.976	0.	0.
65	SLV_SX_D	Max	-24.966	-1.082E-14	84.761	0.	0.
65	SLV_SX_D	Min	-24.966	-1.082E-14	84.761	0.	0.
65	SLV_DX_U	Max	-11.129	-4.881E-15	38.259	0.	0.
65	SLV_DX_U	Min	-11.129	-4.881E-15	38.259	0.	0.
65	SLV_SX_U	Max	-24.9	-1.079E-14	84.467	0.	0.
65	SLV_SX_U	Min	-24.9	-1.079E-14	84.467	0.	0.
66	SLE	Max	-8.491	-4.412E-15	35.003	0.	0.
66	SLE	Min	-8.491	-4.412E-15	35.003	0.	0.
66	SLU	Max	-11.039	-5.736E-15	45.504	0.	0.
66	SLU	Min	-11.039	-5.736E-15	45.504	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
66	SLV_DX_D	Max	-12.795	-6.687E-15	53.069	0.	0.
66	SLV_DX_D	Min	-12.795	-6.687E-15	53.069	0.	0.
66	SLV_SX_D	Max	-19.535	-1.011E-14	80.197	0.	0.
66	SLV_SX_D	Min	-19.535	-1.011E-14	80.197	0.	0.
66	SLV_DX_U	Max	-11.159	-5.848E-15	46.416	0.	0.
66	SLV_DX_U	Min	-11.159	-5.848E-15	46.416	0.	0.
66	SLV_SX_U	Max	-19.852	-1.027E-14	81.419	0.	0.
66	SLV_SX_U	Min	-19.852	-1.027E-14	81.419	0.	0.
67	SLE	Max	-6.277	-4.062E-15	32.564	0.	0.
67	SLE	Min	-6.277	-4.062E-15	32.564	0.	0.
67	SLU	Max	-8.16	-5.281E-15	42.333	0.	0.
67	SLU	Min	-8.16	-5.281E-15	42.333	0.	0.
67	SLV_DX_D	Max	-10.741	-7.000E-15	56.126	0.	0.
67	SLV_DX_D	Min	-10.741	-7.000E-15	56.126	0.	0.
67	SLV_SX_D	Max	-14.827	-9.546E-15	76.507	0.	0.
67	SLV_SX_D	Min	-14.827	-9.546E-15	76.507	0.	0.
67	SLV_DX_U	Max	-10.072	-6.581E-15	52.772	0.	0.
67	SLV_DX_U	Min	-10.072	-6.581E-15	52.772	0.	0.
67	SLV_SX_U	Max	-15.305	-9.844E-15	78.886	0.	0.
67	SLV_SX_U	Min	-15.305	-9.844E-15	78.886	0.	0.
68	SLE	Max	-4.414	-3.798E-15	30.689	0.	0.
68	SLE	Min	-4.414	-3.798E-15	30.689	0.	0.
68	SLU	Max	-5.739	-4.938E-15	39.896	0.	0.
68	SLU	Min	-5.739	-4.938E-15	39.896	0.	0.
68	SLV_DX_D	Max	-8.318	-7.222E-15	58.365	0.	0.
68	SLV_DX_D	Min	-8.318	-7.222E-15	58.365	0.	0.
68	SLV_SX_D	Max	-10.668	-9.113E-15	73.62	0.	0.
68	SLV_SX_D	Min	-10.668	-9.113E-15	73.62	0.	0.
68	SLV_DX_U	Max	-8.184	-7.126E-15	57.59	0.	0.
68	SLV_DX_U	Min	-8.184	-7.126E-15	57.59	0.	0.
68	SLV_SX_U	Max	-11.145	-9.506E-15	76.795	0.	0.
68	SLV_SX_U	Min	-11.145	-9.506E-15	76.795	0.	0.
69	SLE	Max	-2.807	-3.614E-15	29.369	0.	0.
69	SLE	Min	-2.807	-3.614E-15	29.369	0.	0.
69	SLU	Max	-3.65	-4.698E-15	38.179	0.	0.
69	SLU	Min	-3.65	-4.698E-15	38.179	0.	0.
69	SLV_DX_D	Max	-5.66	-7.385E-15	60.017	0.	0.
69	SLV_DX_D	Min	-5.66	-7.385E-15	60.017	0.	0.
69	SLV_SX_D	Max	-6.904	-8.788E-15	71.408	0.	0.
69	SLV_SX_D	Min	-6.904	-8.788E-15	71.408	0.	0.
69	SLV_DX_U	Max	-5.747	-7.525E-15	61.163	0.	0.
69	SLV_DX_U	Min	-5.747	-7.525E-15	61.163	0.	0.
69	SLV_SX_U	Max	-7.267	-9.231E-15	75.005	0.	0.
69	SLV_SX_U	Min	-7.267	-9.231E-15	75.005	0.	0.
70	SLE	Max	-1.366	-3.506E-15	28.59	0.	0.
70	SLE	Min	-1.366	-3.506E-15	28.59	0.	0.
70	SLU	Max	-1.776	-4.558E-15	37.167	0.	0.
70	SLU	Min	-1.776	-4.558E-15	37.167	0.	0.
70	SLV_DX_D	Max	-2.852	-7.520E-15	61.325	0.	0.
70	SLV_DX_D	Min	-2.852	-7.520E-15	61.325	0.	0.
70	SLV_SX_D	Max	-3.407	-8.548E-15	69.693	0.	0.
70	SLV_SX_D	Min	-3.407	-8.548E-15	69.693	0.	0.
70	SLV_DX_U	Max	-2.948	-7.824E-15	63.799	0.	0.
70	SLV_DX_U	Min	-2.948	-7.824E-15	63.799	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
70	SLV_SX_U	Max	-3.6	-8.991E-15	73.312	0.	0.
70	SLV_SX_U	Min	-3.6	-8.991E-15	73.312	0.	0.
71	SLE	Max	-4.964E-03	-3.472E-15	28.342	0.	0.
71	SLE	Min	-4.964E-03	-3.472E-15	28.342	0.	0.
71	SLU	Max	-6.454E-03	-4.513E-15	36.844	0.	0.
71	SLU	Min	-6.454E-03	-4.513E-15	36.844	0.	0.
71	SLV_DX_D	Max	0.067	-7.659E-15	62.526	0.	0.
71	SLV_DX_D	Min	0.067	-7.659E-15	62.526	0.	0.
71	SLV_SX_D	Max	-0.089	-8.362E-15	68.259	0.	0.
71	SLV_SX_D	Min	-0.089	-8.362E-15	68.259	0.	0.
71	SLV_DX_U	Max	0.089	-8.060E-15	65.799	0.	0.
71	SLV_DX_U	Min	0.089	-8.060E-15	65.799	0.	0.
71	SLV_SX_U	Max	-0.11	-8.754E-15	71.462	0.	0.
71	SLV_SX_U	Min	-0.11	-8.754E-15	71.462	0.	0.
72	SLE	Max	1.357	-3.510E-15	28.621	0.	0.
72	SLE	Min	1.357	-3.510E-15	28.621	0.	0.
72	SLU	Max	1.765	-4.563E-15	37.207	0.	0.
72	SLU	Min	1.765	-4.563E-15	37.207	0.	0.
72	SLV_DX_D	Max	3.106	-7.831E-15	63.855	0.	0.
72	SLV_DX_D	Min	3.106	-7.831E-15	63.855	0.	0.
72	SLV_SX_D	Max	3.093	-8.199E-15	66.858	0.	0.
72	SLV_SX_D	Min	3.093	-8.199E-15	66.858	0.	0.
72	SLV_DX_U	Max	3.3	-8.273E-15	67.451	0.	0.
72	SLV_DX_U	Min	3.3	-8.273E-15	67.451	0.	0.
72	SLV_SX_U	Max	3.182	-8.481E-15	69.156	0.	0.
72	SLV_SX_U	Min	3.182	-8.481E-15	69.156	0.	0.
73	SLE	Max	2.803	-3.621E-15	29.428	0.	0.
73	SLE	Min	2.803	-3.621E-15	29.428	0.	0.
73	SLU	Max	3.644	-4.708E-15	38.256	0.	0.
73	SLU	Min	3.644	-4.708E-15	38.256	0.	0.
73	SLV_DX_D	Max	6.32	-8.064E-15	65.525	0.	0.
73	SLV_DX_D	Min	6.32	-8.064E-15	65.525	0.	0.
73	SLV_SX_D	Max	6.134	-8.025E-15	65.224	0.	0.
73	SLV_SX_D	Min	6.134	-8.025E-15	65.224	0.	0.
73	SLV_DX_U	Max	6.675	-8.494E-15	69.016	0.	0.
73	SLV_DX_U	Min	6.675	-8.494E-15	69.016	0.	0.
73	SLV_SX_U	Max	6.194	-8.129E-15	66.067	0.	0.
73	SLV_SX_U	Min	6.194	-8.129E-15	66.067	0.	0.
74	SLE	Max	4.416	-3.808E-15	30.772	0.	0.
74	SLE	Min	4.416	-3.808E-15	30.772	0.	0.
74	SLU	Max	5.741	-4.951E-15	40.003	0.	0.
74	SLU	Min	5.741	-4.951E-15	40.003	0.	0.
74	SLV_DX_D	Max	9.799	-8.383E-15	67.729	0.	0.
74	SLV_DX_D	Min	9.799	-8.383E-15	67.729	0.	0.
74	SLV_SX_D	Max	8.973	-7.805E-15	63.079	0.	0.
74	SLV_SX_D	Min	8.973	-7.805E-15	63.079	0.	0.
74	SLV_DX_U	Max	10.25	-8.753E-15	70.714	0.	0.
74	SLV_DX_U	Min	10.25	-8.753E-15	70.714	0.	0.
74	SLV_SX_U	Max	8.775	-7.652E-15	61.846	0.	0.
74	SLV_SX_U	Min	8.775	-7.652E-15	61.846	0.	0.
75	SLE	Max	6.286	-4.075E-15	32.663	0.	0.
75	SLE	Min	6.286	-4.075E-15	32.663	0.	0.
75	SLU	Max	8.172	-5.297E-15	42.462	0.	0.
75	SLU	Min	8.172	-5.297E-15	42.462	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
75	SLV_DX_D	Max	13.671	-8.812E-15	70.627	0.	0.
75	SLV_DX_D	Min	13.671	-8.812E-15	70.627	0.	0.
75	SLV_SX_D	Max	11.492	-7.501E-15	60.144	0.	0.
75	SLV_SX_D	Min	11.492	-7.501E-15	60.144	0.	0.
75	SLV_DX_U	Max	14.097	-9.074E-15	72.722	0.	0.
75	SLV_DX_U	Min	14.097	-9.074E-15	72.722	0.	0.
75	SLV_SX_U	Max	10.7	-7.001E-15	56.145	0.	0.
75	SLV_SX_U	Min	10.7	-7.001E-15	56.145	0.	0.
76	SLE	Max	8.507	-4.425E-15	35.109	0.	0.
76	SLE	Min	8.507	-4.425E-15	35.109	0.	0.
76	SLU	Max	11.059	-5.753E-15	45.641	0.	0.
76	SLU	Min	11.059	-5.753E-15	45.641	0.	0.
76	SLV_DX_D	Max	18.09	-9.372E-15	74.334	0.	0.
76	SLV_DX_D	Min	18.09	-9.372E-15	74.334	0.	0.
76	SLV_SX_D	Max	13.518	-7.074E-15	56.145	0.	0.
76	SLV_SX_D	Min	13.518	-7.074E-15	56.145	0.	0.
76	SLV_DX_U	Max	18.314	-9.477E-15	75.163	0.	0.
76	SLV_DX_U	Min	18.314	-9.477E-15	75.163	0.	0.
76	SLV_SX_U	Max	11.673	-6.126E-15	48.629	0.	0.
76	SLV_SX_U	Min	11.673	-6.126E-15	48.629	0.	0.
77	SLE	Max	11.178	-4.865E-15	38.109	0.	0.
77	SLE	Min	11.178	-4.865E-15	38.109	0.	0.
77	SLU	Max	14.531	-6.325E-15	49.542	0.	0.
77	SLU	Min	14.531	-6.325E-15	49.542	0.	0.
77	SLV_DX_D	Max	23.227	-1.008E-14	78.915	0.	0.
77	SLV_DX_D	Min	23.227	-1.008E-14	78.915	0.	0.
77	SLV_SX_D	Max	14.82	-6.486E-15	50.834	0.	0.
77	SLV_SX_D	Min	14.82	-6.486E-15	50.834	0.	0.
77	SLV_DX_U	Max	23.009	-9.973E-15	78.097	0.	0.
77	SLV_DX_U	Min	23.009	-9.973E-15	78.097	0.	0.
77	SLV_SX_U	Max	11.325	-4.975E-15	39.001	0.	0.
77	SLV_SX_U	Min	11.325	-4.975E-15	39.001	0.	0.
78	SLE	Max	14.4	-5.398E-15	41.646	0.	0.
78	SLE	Min	14.4	-5.398E-15	41.646	0.	0.
78	SLU	Max	18.72	-7.017E-15	54.139	0.	0.
78	SLU	Min	18.72	-7.017E-15	54.139	0.	0.
78	SLV_DX_D	Max	29.254	-1.094E-14	84.37	0.	0.
78	SLV_DX_D	Min	29.254	-1.094E-14	84.37	0.	0.
78	SLV_SX_D	Max	15.117	-5.699E-15	43.995	0.	0.
78	SLV_SX_D	Min	15.117	-5.699E-15	43.995	0.	0.
78	SLV_DX_U	Max	28.289	-1.057E-14	81.517	0.	0.
78	SLV_DX_U	Min	28.289	-1.057E-14	81.517	0.	0.
78	SLV_SX_U	Max	9.224	-3.498E-15	27.029	0.	0.
78	SLV_SX_U	Min	9.224	-3.498E-15	27.029	0.	0.
79	SLE	Max	18.27	-6.026E-15	45.675	0.	0.
79	SLE	Min	18.27	-6.026E-15	45.675	0.	0.
79	SLU	Max	23.751	-7.834E-15	59.377	0.	0.
79	SLU	Min	23.751	-7.834E-15	59.377	0.	0.
79	SLV_DX_D	Max	36.331	-1.196E-14	90.624	0.	0.
79	SLV_DX_D	Min	36.331	-1.196E-14	90.624	0.	0.
79	SLV_SX_D	Max	14.084	-4.674E-15	35.463	0.	0.
79	SLV_SX_D	Min	14.084	-4.674E-15	35.463	0.	0.
79	SLV_DX_U	Max	34.24	-1.126E-14	85.341	0.	0.
79	SLV_DX_U	Min	34.24	-1.126E-14	85.341	0.	0.

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
79	SLV_SX_U	Max	4.896	-1.652E-15	12.565	0.	0.
79	SLV_SX_U	Min	4.896	-1.652E-15	12.565	0.	0.
80	SLE	Max	22.871	-6.748E-15	50.118	0.	0.
80	SLE	Min	22.871	-6.748E-15	50.118	0.	0.
80	SLU	Max	29.732	-8.773E-15	65.153	0.	0.
80	SLU	Min	29.732	-8.773E-15	65.153	0.	0.
80	SLV_DX_D	Max	44.581	-1.313E-14	97.513	0.	0.
80	SLV_DX_D	Min	44.581	-1.313E-14	97.513	0.	0.
80	SLV_SX_D	Max	11.365	-3.380E-15	25.143	0.	0.
80	SLV_SX_D	Min	11.365	-3.380E-15	25.143	0.	0.
80	SLV_DX_U	Max	40.903	-1.204E-14	89.406	0.	0.
80	SLV_DX_U	Min	40.903	-1.204E-14	89.406	0.	0.
80	SLV_SX_U	Max	0.066	-2.061E-17	0.155	0.	0.
80	SLV_SX_U	Min	0.066	-2.061E-17	0.155	0.	0.
81	SLE	Max	28.258	-7.558E-15	54.85	0.	0.
81	SLE	Min	28.258	-7.558E-15	54.85	0.	0.
81	SLU	Max	36.735	-9.826E-15	71.305	0.	0.
81	SLU	Min	36.735	-9.826E-15	71.305	0.	0.
81	SLV_DX_D	Max	54.063	-1.444E-14	104.778	0.	0.
81	SLV_DX_D	Min	54.063	-1.444E-14	104.778	0.	0.
81	SLV_SX_D	Max	6.595	-1.789E-15	13.028	0.	0.
81	SLV_SX_D	Min	6.595	-1.789E-15	13.028	0.	0.
81	SLV_DX_U	Max	48.259	-1.289E-14	93.471	0.	0.
81	SLV_DX_U	Min	48.259	-1.289E-14	93.471	0.	0.
81	SLV_SX_U	Max	0.	0.	0.	0.	0.
81	SLV_SX_U	Min	0.	0.	0.	0.	0.
82	SLE	Max	16.716	-4.272E-15	213.831	0.	0.
82	SLE	Min	16.716	-4.272E-15	213.831	0.	0.
82	SLU	Max	21.731	-5.553E-15	277.98	0.	0.
82	SLU	Min	21.731	-5.553E-15	277.98	0.	0.
82	SLV_DX_D	Max	30.646	-7.831E-15	245.28	0.	0.
82	SLV_DX_D	Min	30.646	-7.831E-15	245.28	0.	0.
82	SLV_SX_D	Max	0.858	-2.192E-16	227.133	0.	0.
82	SLV_SX_D	Min	0.858	-2.192E-16	227.133	0.	0.
82	SLV_DX_U	Max	26.313	-6.724E-15	154.517	0.	0.
82	SLV_DX_U	Min	26.313	-6.724E-15	154.517	0.	0.
82	SLV_SX_U	Max	0.	0.	153.492	0.	0.
82	SLV_SX_U	Min	0.	0.	153.492	0.	0.
83	SLE	Max	0.	0.	427.036	0.	0.
83	SLE	Min	0.	0.	427.036	0.	0.
83	SLU	Max	0.	0.	555.147	0.	0.
83	SLU	Min	0.	0.	555.147	0.	0.
83	SLV_DX_D	Max	0.	0.	436.406	0.	0.
83	SLV_DX_D	Min	0.	0.	436.406	0.	0.
83	SLV_SX_D	Max	0.	0.	400.732	0.	0.
83	SLV_SX_D	Min	0.	0.	400.732	0.	0.
83	SLV_DX_U	Max	0.	0.	226.855	0.	0.
83	SLV_DX_U	Min	0.	0.	226.855	0.	0.
83	SLV_SX_U	Max	0.	0.	197.836	0.	0.
83	SLV_SX_U	Min	0.	0.	197.836	0.	0.
84	SLE	Max	5.562	0.	243.251	0.	48.8194
84	SLE	Min	5.562	0.	243.251	0.	48.8194
84	SLU	Max	7.231	0.	316.226	0.	63.4652
84	SLU	Min	7.231	0.	316.226	0.	63.4652

Table 20: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
84	SLV_DX_D	Max	36.581	0.	246.283	0.	43.4341
84	SLV_DX_D	Min	36.581	0.	246.283	0.	43.4341
84	SLV_SX_D	Max	0.	0.	173.334	0.	-63.6478
84	SLV_SX_D	Min	0.	0.	173.334	0.	-63.6478
84	SLV_DX_U	Max	40.214	0.	119.447	0.	3.6873
84	SLV_DX_U	Min	40.214	0.	119.447	0.	3.6873
84	SLV_SX_U	Max	0.	0.	42.555	0.	-117.3147
84	SLV_SX_U	Min	0.	0.	42.555	0.	-117.3147

Table 20: Joint Reactions, Part 2 of 2

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
1	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
2	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
3	0.
4	0.
4	0.
4	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
4	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
5	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
6	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
7	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.
8	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
8	0.
8	0.
8	0.
8	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
9	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
10	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
11	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
12	0.
13	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
13	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
14	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
15	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
16	0.
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
17	0.
17	0.
17	0.
17	0.
17	0.
17	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
18	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
19	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
20	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.
21	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
21	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
22	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
23	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
24	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
25	0.
26	0.
26	0.
26	0.
26	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
26	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
27	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
28	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
29	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.
30	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
30	0.
30	0.
30	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
31	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
32	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
33	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
34	0.
35	0.
35	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
35	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
36	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
37	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
38	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.
39	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
39	0.
39	0.
39	0.
39	0.
39	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
40	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
41	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
42	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.
43	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
44	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
45	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
46	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
47	0.
48	0.
48	0.
48	0.
48	0.
48	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
48	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
49	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
50	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
51	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.
52	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
52	0.
52	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
53	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
54	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
55	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
56	0.
57	0.
57	0.
57	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
57	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
58	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
59	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
60	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.
61	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
61	0.
61	0.
61	0.
61	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
62	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
63	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
64	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
65	0.
66	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
66	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
67	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
68	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
69	0.
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
70	0.
70	0.
70	0.
70	0.
70	0.
70	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
71	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
72	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
73	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.
74	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
74	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
75	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
76	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
77	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
78	0.
79	0.
79	0.
79	0.
79	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
79	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
80	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
81	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
82	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.
83	0.

Table 20: Joint Reactions, Part 2 of 2

Joint	M3
	KN-m
83	0.
83	0.
83	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.
84	0.

8. Frame results

This section provides frame force results.

Table 21: Element Forces - Frames, Part 1 of 2

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
1	0.	SLE	Max	-1085.924	-80.132	-9.654E-15
1	0.2255	SLE	Max	-1079.5	-80.989	-9.759E-15
1	0.45101	SLE	Max	-1073.075	-81.846	-9.864E-15
1	0.	SLE	Min	-1085.924	-80.132	-9.654E-15
1	0.2255	SLE	Min	-1079.5	-80.989	-9.759E-15
1	0.45101	SLE	Min	-1073.075	-81.846	-9.864E-15
1	0.	SLU	Max	-1411.701	-104.172	-1.255E-14
1	0.2255	SLU	Max	-1403.35	-105.286	-1.269E-14
1	0.45101	SLU	Max	-1394.998	-106.4	-1.282E-14
1	0.	SLU	Min	-1411.701	-104.172	-1.255E-14
1	0.2255	SLU	Min	-1403.35	-105.286	-1.269E-14
1	0.45101	SLU	Min	-1394.998	-106.4	-1.282E-14
1	0.	SLV_DX_D	Max	-1455.581	-326.669	-3.935E-14
1	0.2255	SLV_DX_D	Max	-1448.261	-330.129	-3.978E-14
1	0.45101	SLV_DX_D	Max	-1440.942	-333.59	-4.020E-14
1	0.	SLV_DX_D	Min	-1455.581	-326.669	-3.935E-14
1	0.2255	SLV_DX_D	Min	-1448.261	-330.129	-3.978E-14
1	0.45101	SLV_DX_D	Min	-1440.942	-333.59	-4.020E-14
1	0.	SLV_SX_D	Max	-1237.035	-473.058	-5.705E-14
1	0.2255	SLV_SX_D	Max	-1225.903	-447.929	-5.397E-14
1	0.45101	SLV_SX_D	Max	-1214.77	-422.8	-5.090E-14
1	0.	SLV_SX_D	Min	-1237.035	-473.058	-5.705E-14
1	0.2255	SLV_SX_D	Min	-1225.903	-447.929	-5.397E-14
1	0.45101	SLV_SX_D	Min	-1214.77	-422.8	-5.090E-14
1	0.	SLV_DX_U	Max	-1082.621	-399.774	-4.816E-14
1	0.2255	SLV_DX_U	Max	-1077.743	-402.91	-4.855E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
1	0.45101	SLV_DX_U	Max	-1072.865	-406.045	-4.893E-14
1	0.	SLV_DX_U	Min	-1082.621	-399.774	-4.816E-14
1	0.2255	SLV_DX_U	Min	-1077.743	-402.91	-4.855E-14
1	0.45101	SLV_DX_U	Min	-1072.865	-406.045	-4.893E-14
1	0.	SLV_SX_U	Max	-852.023	-583.034	-7.030E-14
1	0.2255	SLV_SX_U	Max	-843.331	-557.579	-6.719E-14
1	0.45101	SLV_SX_U	Max	-834.64	-532.125	-6.407E-14
1	0.	SLV_SX_U	Min	-852.023	-583.034	-7.030E-14
1	0.2255	SLV_SX_U	Min	-843.331	-557.579	-6.719E-14
1	0.45101	SLV_SX_U	Min	-834.64	-532.125	-6.407E-14
2	0.	SLE	Max	-1065.257	-65.671	-7.993E-15
2	0.2255	SLE	Max	-1059.371	-66.281	-8.067E-15
2	0.45101	SLE	Max	-1053.484	-66.89	-8.142E-15
2	0.	SLE	Min	-1065.257	-65.671	-7.993E-15
2	0.2255	SLE	Min	-1059.371	-66.281	-8.067E-15
2	0.45101	SLE	Min	-1053.484	-66.89	-8.142E-15
2	0.	SLU	Max	-1384.834	-85.373	-1.039E-14
2	0.2255	SLU	Max	-1377.182	-86.165	-1.049E-14
2	0.45101	SLU	Max	-1369.529	-86.957	-1.058E-14
2	0.	SLU	Min	-1384.834	-85.373	-1.039E-14
2	0.2255	SLU	Min	-1377.182	-86.165	-1.049E-14
2	0.45101	SLU	Min	-1369.529	-86.957	-1.058E-14
2	0.	SLV_DX_D	Max	-1420.404	-278.446	-3.389E-14
2	0.2255	SLV_DX_D	Max	-1413.631	-281.408	-3.425E-14
2	0.45101	SLV_DX_D	Max	-1406.858	-284.369	-3.461E-14
2	0.	SLV_DX_D	Min	-1420.404	-278.446	-3.389E-14
2	0.2255	SLV_DX_D	Min	-1413.631	-281.408	-3.425E-14
2	0.45101	SLV_DX_D	Min	-1406.858	-284.369	-3.461E-14
2	0.	SLV_SX_D	Max	-1198.455	-426.202	-5.189E-14
2	0.2255	SLV_SX_D	Max	-1188.749	-400.817	-4.878E-14
2	0.45101	SLV_SX_D	Max	-1179.042	-375.431	-4.568E-14
2	0.	SLV_SX_D	Min	-1198.455	-426.202	-5.189E-14
2	0.2255	SLV_SX_D	Min	-1188.749	-400.817	-4.878E-14
2	0.45101	SLV_SX_D	Min	-1179.042	-375.431	-4.568E-14
2	0.	SLV_DX_U	Max	-1050.334	-339.848	-4.136E-14
2	0.2255	SLV_DX_U	Max	-1045.798	-342.578	-4.170E-14
2	0.45101	SLV_DX_U	Max	-1041.261	-345.308	-4.203E-14
2	0.	SLV_DX_U	Min	-1050.334	-339.848	-4.136E-14
2	0.2255	SLV_DX_U	Min	-1045.798	-342.578	-4.170E-14
2	0.45101	SLV_DX_U	Min	-1041.261	-345.308	-4.203E-14
2	0.	SLV_SX_U	Max	-815.269	-524.276	-6.383E-14
2	0.2255	SLV_SX_U	Max	-807.799	-498.659	-6.069E-14
2	0.45101	SLV_SX_U	Max	-800.329	-473.043	-5.756E-14
2	0.	SLV_SX_U	Min	-815.269	-524.276	-6.383E-14
2	0.2255	SLV_SX_U	Min	-807.799	-498.659	-6.069E-14
2	0.45101	SLV_SX_U	Min	-800.329	-473.043	-5.756E-14
3	0.	SLE	Max	-1047.438	-48.85	-6.016E-15
3	0.2255	SLE	Max	-1042.042	-49.249	-6.065E-15
3	0.45101	SLE	Max	-1036.646	-49.647	-6.114E-15
3	0.	SLE	Min	-1047.438	-48.85	-6.016E-15
3	0.2255	SLE	Min	-1042.042	-49.249	-6.065E-15
3	0.45101	SLE	Min	-1036.646	-49.647	-6.114E-15
3	0.	SLU	Max	-1361.669	-63.506	-7.821E-15
3	0.2255	SLU	Max	-1354.655	-64.023	-7.885E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
3	0.45101	SLU	Max	-1347.64	-64.541	-7.948E-15
3	0.	SLU	Min	-1361.669	-63.506	-7.821E-15
3	0.2255	SLU	Min	-1354.655	-64.023	-7.885E-15
3	0.45101	SLU	Min	-1347.64	-64.541	-7.948E-15
3	0.	SLV_DX_D	Max	-1390.599	-227.138	-2.797E-14
3	0.2255	SLV_DX_D	Max	-1384.329	-229.662	-2.828E-14
3	0.45101	SLV_DX_D	Max	-1378.059	-232.186	-2.859E-14
3	0.	SLV_DX_D	Min	-1390.599	-227.138	-2.797E-14
3	0.2255	SLV_DX_D	Min	-1384.329	-229.662	-2.828E-14
3	0.45101	SLV_DX_D	Min	-1378.059	-232.186	-2.859E-14
3	0.	SLV_SX_D	Max	-1165.175	-378.883	-4.664E-14
3	0.2255	SLV_SX_D	Max	-1156.832	-353.308	-4.351E-14
3	0.45101	SLV_SX_D	Max	-1148.489	-327.733	-4.038E-14
3	0.	SLV_SX_D	Min	-1165.175	-378.883	-4.664E-14
3	0.2255	SLV_SX_D	Min	-1156.832	-353.308	-4.351E-14
3	0.45101	SLV_SX_D	Min	-1148.489	-327.733	-4.038E-14
3	0.	SLV_DX_U	Max	-1023.528	-279.479	-3.442E-14
3	0.2255	SLV_DX_U	Max	-1019.309	-281.852	-3.471E-14
3	0.45101	SLV_DX_U	Max	-1015.089	-284.225	-3.500E-14
3	0.	SLV_DX_U	Min	-1023.528	-279.479	-3.442E-14
3	0.2255	SLV_DX_U	Min	-1019.309	-281.852	-3.471E-14
3	0.45101	SLV_DX_U	Min	-1015.089	-284.225	-3.500E-14
3	0.	SLV_SX_U	Max	-783.751	-465.291	-5.728E-14
3	0.2255	SLV_SX_U	Max	-777.458	-439.565	-5.413E-14
3	0.45101	SLV_SX_U	Max	-771.166	-413.839	-5.098E-14
3	0.	SLV_SX_U	Min	-783.751	-465.291	-5.728E-14
3	0.2255	SLV_SX_U	Min	-777.458	-439.565	-5.413E-14
3	0.45101	SLV_SX_U	Min	-771.166	-413.839	-5.098E-14
4	0.	SLE	Max	-1032.532	-30.382	-3.766E-15
4	0.2255	SLE	Max	-1027.353	-30.612	-3.794E-15
4	0.45101	SLE	Max	-1022.173	-30.841	-3.822E-15
4	0.	SLE	Min	-1032.532	-30.382	-3.766E-15
4	0.2255	SLE	Min	-1027.353	-30.612	-3.794E-15
4	0.45101	SLE	Min	-1022.173	-30.841	-3.822E-15
4	0.	SLU	Max	-1342.292	-39.497	-4.895E-15
4	0.2255	SLU	Max	-1335.558	-39.795	-4.932E-15
4	0.45101	SLU	Max	-1328.824	-40.093	-4.968E-15
4	0.	SLU	Min	-1342.292	-39.497	-4.895E-15
4	0.2255	SLU	Min	-1335.558	-39.795	-4.932E-15
4	0.45101	SLU	Min	-1328.824	-40.093	-4.968E-15
4	0.	SLV_DX_D	Max	-1366.221	-173.173	-2.146E-14
4	0.2255	SLV_DX_D	Max	-1360.144	-175.414	-2.174E-14
4	0.45101	SLV_DX_D	Max	-1354.067	-177.655	-2.201E-14
4	0.	SLV_DX_D	Min	-1366.221	-173.173	-2.146E-14
4	0.2255	SLV_DX_D	Min	-1360.144	-175.414	-2.174E-14
4	0.45101	SLV_DX_D	Min	-1354.067	-177.655	-2.201E-14
4	0.	SLV_SX_D	Max	-1137.011	-331.454	-4.104E-14
4	0.2255	SLV_SX_D	Max	-1129.695	-305.676	-3.788E-14
4	0.45101	SLV_SX_D	Max	-1122.378	-279.899	-3.473E-14
4	0.	SLV_SX_D	Min	-1137.011	-331.454	-4.104E-14
4	0.2255	SLV_SX_D	Min	-1129.695	-305.676	-3.788E-14
4	0.45101	SLV_SX_D	Min	-1122.378	-279.899	-3.473E-14
4	0.	SLV_DX_U	Max	-1002.065	-218.771	-2.712E-14
4	0.2255	SLV_DX_U	Max	-997.956	-220.925	-2.738E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
4	0.45101	SLV_DX_U	Max	-993.847	-223.079	-2.764E-14
4	0.	SLV_DX_U	Min	-1002.065	-218.771	-2.712E-14
4	0.2255	SLV_DX_U	Min	-997.956	-220.925	-2.738E-14
4	0.45101	SLV_DX_U	Min	-993.847	-223.079	-2.764E-14
4	0.	SLV_SX_U	Max	-757.315	-406.403	-5.033E-14
4	0.2255	SLV_SX_U	Max	-751.967	-380.538	-4.716E-14
4	0.45101	SLV_SX_U	Max	-746.619	-354.673	-4.399E-14
4	0.	SLV_SX_U	Min	-757.315	-406.403	-5.033E-14
4	0.2255	SLV_SX_U	Min	-751.967	-380.538	-4.716E-14
4	0.45101	SLV_SX_U	Min	-746.619	-354.673	-4.399E-14
5	0.	SLE	Max	-1020.085	-11.035	-1.372E-15
5	0.2255	SLE	Max	-1015.013	-11.11	-1.382E-15
5	0.45101	SLE	Max	-1009.942	-11.185	-1.391E-15
5	0.	SLE	Min	-1020.085	-11.035	-1.372E-15
5	0.2255	SLE	Min	-1015.013	-11.11	-1.382E-15
5	0.45101	SLE	Min	-1009.942	-11.185	-1.391E-15
5	0.	SLU	Max	-1326.111	-14.346	-1.784E-15
5	0.2255	SLU	Max	-1319.518	-14.443	-1.796E-15
5	0.45101	SLU	Max	-1312.924	-14.54	-1.808E-15
5	0.	SLU	Min	-1326.111	-14.346	-1.784E-15
5	0.2255	SLU	Min	-1319.518	-14.443	-1.796E-15
5	0.45101	SLU	Min	-1312.924	-14.54	-1.808E-15
5	0.	SLV_DX_D	Max	-1346.765	-116.935	-1.455E-14
5	0.2255	SLV_DX_D	Max	-1340.758	-118.951	-1.479E-14
5	0.45101	SLV_DX_D	Max	-1334.751	-120.967	-1.504E-14
5	0.	SLV_DX_D	Min	-1346.765	-116.935	-1.455E-14
5	0.2255	SLV_DX_D	Min	-1340.758	-118.951	-1.479E-14
5	0.45101	SLV_DX_D	Min	-1334.751	-120.967	-1.504E-14
5	0.	SLV_SX_D	Max	-1113.223	-284.076	-3.528E-14
5	0.2255	SLV_SX_D	Max	-1106.803	-258.114	-3.210E-14
5	0.45101	SLV_SX_D	Max	-1100.384	-232.152	-2.892E-14
5	0.	SLV_SX_D	Min	-1113.223	-284.076	-3.528E-14
5	0.2255	SLV_SX_D	Min	-1106.803	-258.114	-3.210E-14
5	0.45101	SLV_SX_D	Min	-1100.384	-232.152	-2.892E-14
5	0.	SLV_DX_U	Max	-985.451	-157.655	-1.961E-14
5	0.2255	SLV_DX_U	Max	-981.371	-159.643	-1.985E-14
5	0.45101	SLV_DX_U	Max	-977.292	-161.631	-2.010E-14
5	0.	SLV_DX_U	Min	-985.451	-157.655	-1.961E-14
5	0.2255	SLV_DX_U	Min	-981.371	-159.643	-1.985E-14
5	0.45101	SLV_DX_U	Min	-977.292	-161.631	-2.010E-14
5	0.	SLV_SX_U	Max	-735.424	-347.744	-4.320E-14
5	0.2255	SLV_SX_U	Max	-730.932	-321.754	-4.001E-14
5	0.45101	SLV_SX_U	Max	-726.44	-295.763	-3.683E-14
5	0.	SLV_SX_U	Min	-735.424	-347.744	-4.320E-14
5	0.2255	SLV_SX_U	Min	-730.932	-321.754	-4.001E-14
5	0.45101	SLV_SX_U	Min	-726.44	-295.763	-3.683E-14
6	0.	SLE	Max	-1008.436	9.885	0.
6	0.23546	SLE	Max	-1003.14	9.962	0.
6	0.47092	SLE	Max	-997.845	10.038	0.
6	0.	SLE	Min	-1008.436	9.885	0.
6	0.23546	SLE	Min	-1003.14	9.962	0.
6	0.47092	SLE	Min	-997.845	10.038	0.
6	0.	SLU	Max	-1310.967	12.851	0.
6	0.23546	SLU	Max	-1304.082	12.95	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
6	0.47092	SLU	Max	-1297.198	13.049	0.
6	0.	SLU	Min	-1310.967	12.851	0.
6	0.23546	SLU	Min	-1304.082	12.95	0.
6	0.47092	SLU	Min	-1297.198	13.049	0.
6	0.	SLV_DX_D	Max	-1330.401	-55.719	0.
6	0.23546	SLV_DX_D	Max	-1324.07	-57.641	0.
6	0.47092	SLV_DX_D	Max	-1317.739	-59.562	0.
6	0.	SLV_DX_D	Min	-1330.401	-55.719	0.
6	0.23546	SLV_DX_D	Min	-1324.07	-57.641	0.
6	0.47092	SLV_DX_D	Min	-1317.739	-59.562	0.
6	0.	SLV_SX_D	Max	-1091.801	-235.981	0.
6	0.23546	SLV_SX_D	Max	-1085.891	-208.689	0.
6	0.47092	SLV_SX_D	Max	-1079.981	-181.396	0.
6	0.	SLV_SX_D	Min	-1091.801	-235.981	0.
6	0.23546	SLV_SX_D	Min	-1085.891	-208.689	0.
6	0.47092	SLV_SX_D	Min	-1079.981	-181.396	0.
6	0.	SLV_DX_U	Max	-972.366	-93.177	0.
6	0.23546	SLV_DX_U	Max	-968.048	-95.127	0.
6	0.47092	SLV_DX_U	Max	-963.729	-97.078	0.
6	0.	SLV_DX_U	Min	-972.366	-93.177	0.
6	0.23546	SLV_DX_U	Min	-968.048	-95.127	0.
6	0.47092	SLV_DX_U	Min	-963.729	-97.078	0.
6	0.	SLV_SX_U	Max	-716.724	-288.675	0.
6	0.23546	SLV_SX_U	Max	-712.826	-261.412	0.
6	0.47092	SLV_SX_U	Max	-708.929	-234.148	0.
6	0.	SLV_SX_U	Min	-716.724	-288.675	0.
6	0.23546	SLV_SX_U	Min	-712.826	-261.412	0.
6	0.47092	SLV_SX_U	Min	-708.929	-234.148	0.
7	0.	SLE	Max	-997.054	31.715	0.
7	0.23546	SLE	Max	-991.645	31.949	0.
7	0.47092	SLE	Max	-986.236	32.183	0.
7	0.	SLE	Min	-997.054	31.715	0.
7	0.23546	SLE	Min	-991.645	31.949	0.
7	0.47092	SLE	Min	-986.236	32.183	0.
7	0.	SLU	Max	-1296.17	41.23	0.
7	0.23546	SLU	Max	-1289.139	41.534	0.
7	0.47092	SLU	Max	-1282.107	41.838	0.
7	0.	SLU	Min	-1296.17	41.23	0.
7	0.23546	SLU	Min	-1289.139	41.534	0.
7	0.47092	SLU	Min	-1282.107	41.838	0.
7	0.	SLV_DX_D	Max	-1316.774	10.84	0.
7	0.23546	SLV_DX_D	Max	-1310.249	9.063	0.
7	0.47092	SLV_DX_D	Max	-1303.723	7.286	0.
7	0.	SLV_DX_D	Min	-1316.774	10.84	0.
7	0.23546	SLV_DX_D	Min	-1310.249	9.063	0.
7	0.47092	SLV_DX_D	Min	-1303.723	7.286	0.
7	0.	SLV_SX_D	Max	-1072.111	-184.967	0.
7	0.23546	SLV_SX_D	Max	-1066.85	-157.486	0.
7	0.47092	SLV_SX_D	Max	-1061.589	-130.005	0.
7	0.	SLV_SX_D	Min	-1072.111	-184.967	0.
7	0.23546	SLV_SX_D	Min	-1066.85	-157.486	0.
7	0.47092	SLV_SX_D	Min	-1061.589	-130.005	0.
7	0.	SLV_DX_U	Max	-962.566	-24.471	0.
7	0.23546	SLV_DX_U	Max	-958.096	-26.337	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
7	0.47092	SLV_DX_U	Max	-953.626	-28.203	0.
7	0.	SLV_DX_U	Min	-962.566	-24.471	0.
7	0.23546	SLV_DX_U	Min	-958.096	-26.337	0.
7	0.47092	SLV_DX_U	Min	-953.626	-28.203	0.
7	0.	SLV_SX_U	Max	-700.773	-227.054	0.
7	0.23546	SLV_SX_U	Max	-697.568	-199.662	0.
7	0.47092	SLV_SX_U	Max	-694.362	-172.27	0.
7	0.	SLV_SX_U	Min	-700.773	-227.054	0.
7	0.23546	SLV_SX_U	Min	-697.568	-199.662	0.
7	0.47092	SLV_SX_U	Min	-694.362	-172.27	0.
8	0.	SLE	Max	-984.802	52.468	0.
8	0.23546	SLE	Max	-979.167	52.874	0.
8	0.47092	SLE	Max	-973.532	53.28	0.
8	0.	SLE	Min	-984.802	52.468	0.
8	0.23546	SLE	Min	-979.167	52.874	0.
8	0.47092	SLE	Min	-973.532	53.28	0.
8	0.	SLU	Max	-1280.242	68.208	0.
8	0.23546	SLU	Max	-1272.917	68.736	0.
8	0.47092	SLU	Max	-1265.592	69.265	0.
8	0.	SLU	Min	-1280.242	68.208	0.
8	0.23546	SLU	Min	-1272.917	68.736	0.
8	0.47092	SLU	Min	-1265.592	69.265	0.
8	0.	SLV_DX_D	Max	-1304.897	80.762	0.
8	0.23546	SLV_DX_D	Max	-1298.037	79.104	0.
8	0.47092	SLV_DX_D	Max	-1291.177	77.447	0.
8	0.	SLV_DX_D	Min	-1304.897	80.762	0.
8	0.23546	SLV_DX_D	Min	-1298.037	79.104	0.
8	0.47092	SLV_DX_D	Min	-1291.177	77.447	0.
8	0.	SLV_SX_D	Max	-1052.802	-134.207	0.
8	0.23546	SLV_SX_D	Max	-1048.058	-106.518	0.
8	0.47092	SLV_SX_D	Max	-1043.315	-78.829	0.
8	0.	SLV_SX_D	Min	-1052.802	-134.207	0.
8	0.23546	SLV_SX_D	Min	-1048.058	-106.518	0.
8	0.47092	SLV_SX_D	Min	-1043.315	-78.829	0.
8	0.	SLV_DX_U	Max	-955.422	47.363	0.
8	0.23546	SLV_DX_U	Max	-950.703	45.551	0.
8	0.47092	SLV_DX_U	Max	-945.985	43.739	0.
8	0.	SLV_DX_U	Min	-955.422	47.363	0.
8	0.23546	SLV_DX_U	Min	-950.703	45.551	0.
8	0.47092	SLV_DX_U	Min	-945.985	43.739	0.
8	0.	SLV_SX_U	Max	-686.576	-166.022	0.
8	0.23546	SLV_SX_U	Max	-683.974	-138.487	0.
8	0.47092	SLV_SX_U	Max	-681.372	-110.953	0.
8	0.	SLV_SX_U	Min	-686.576	-166.022	0.
8	0.23546	SLV_SX_U	Min	-683.974	-138.487	0.
8	0.47092	SLV_SX_U	Min	-681.372	-110.953	0.
9	0.	SLE	Max	-971.497	71.655	0.
9	0.23546	SLE	Max	-965.35	72.276	0.
9	0.47092	SLE	Max	-959.202	72.898	0.
9	0.	SLE	Min	-971.497	71.655	0.
9	0.23546	SLE	Min	-965.35	72.276	0.
9	0.47092	SLE	Min	-959.202	72.898	0.
9	0.	SLU	Max	-1262.946	93.151	0.
9	0.23546	SLU	Max	-1254.954	93.959	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
9	0.47092	SLU	Max	-1246.962	94.768	0.
9	0.	SLU	Min	-1262.946	93.151	0.
9	0.23546	SLU	Min	-1254.954	93.959	0.
9	0.47092	SLU	Min	-1246.962	94.768	0.
9	0.	SLV_DX_D	Max	-1295.078	154.543	0.
9	0.23546	SLV_DX_D	Max	-1287.526	152.947	0.
9	0.47092	SLV_DX_D	Max	-1279.974	151.351	0.
9	0.	SLV_DX_D	Min	-1295.078	154.543	0.
9	0.23546	SLV_DX_D	Min	-1287.526	152.947	0.
9	0.47092	SLV_DX_D	Min	-1279.974	151.351	0.
9	0.	SLV_SX_D	Max	-1033.815	-83.552	0.
9	0.23546	SLV_SX_D	Max	-1029.258	-55.537	0.
9	0.47092	SLV_SX_D	Max	-1024.7	-27.521	0.
9	0.	SLV_SX_D	Min	-1033.815	-83.552	0.
9	0.23546	SLV_SX_D	Min	-1029.258	-55.537	0.
9	0.47092	SLV_SX_D	Min	-1024.7	-27.521	0.
9	0.	SLV_DX_U	Max	-951.297	123.393	0.
9	0.23546	SLV_DX_U	Max	-946.081	121.561	0.
9	0.47092	SLV_DX_U	Max	-940.865	119.728	0.
9	0.	SLV_DX_U	Min	-951.297	123.393	0.
9	0.23546	SLV_DX_U	Min	-946.081	121.561	0.
9	0.47092	SLV_DX_U	Min	-940.865	119.728	0.
9	0.	SLV_SX_U	Max	-674.054	-105.532	0.
9	0.23546	SLV_SX_U	Max	-671.833	-77.753	0.
9	0.47092	SLV_SX_U	Max	-669.612	-49.974	0.
9	0.	SLV_SX_U	Min	-674.054	-105.532	0.
9	0.23546	SLV_SX_U	Min	-671.833	-77.753	0.
9	0.47092	SLV_SX_U	Min	-669.612	-49.974	0.
10	0.	SLE	Max	-956.557	88.92	0.
10	0.23546	SLE	Max	-949.729	89.81	0.
10	0.47092	SLE	Max	-942.902	90.7	0.
10	0.	SLE	Min	-956.557	88.92	0.
10	0.23546	SLE	Min	-949.729	89.81	0.
10	0.47092	SLE	Min	-942.902	90.7	0.
10	0.	SLU	Max	-1243.524	115.596	0.
10	0.23546	SLU	Max	-1234.648	116.753	0.
10	0.47092	SLU	Max	-1225.772	117.91	0.
10	0.	SLU	Min	-1243.524	115.596	0.
10	0.23546	SLU	Min	-1234.648	116.753	0.
10	0.47092	SLU	Min	-1225.772	117.91	0.
10	0.	SLV_DX_D	Max	-1287.232	232.422	0.
10	0.23546	SLV_DX_D	Max	-1278.77	230.887	0.
10	0.47092	SLV_DX_D	Max	-1270.307	229.351	0.
10	0.	SLV_DX_D	Min	-1287.232	232.422	0.
10	0.23546	SLV_DX_D	Min	-1278.77	230.887	0.
10	0.47092	SLV_DX_D	Min	-1270.307	229.351	0.
10	0.	SLV_SX_D	Max	-1014.713	-32.655	0.
10	0.23546	SLV_SX_D	Max	-1010.155	-4.228	0.
10	0.47092	SLV_SX_D	Max	-1005.597	24.199	0.
10	0.	SLV_SX_D	Min	-1014.713	-32.655	0.
10	0.23546	SLV_SX_D	Min	-1010.155	-4.228	0.
10	0.47092	SLV_SX_D	Min	-1005.597	24.199	0.
10	0.	SLV_DX_U	Max	-950.353	204.319	0.
10	0.23546	SLV_DX_U	Max	-944.484	202.445	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
10	0.47092	SLV_DX_U	Max	-938.616	200.571	0.
10	0.	SLV_DX_U	Min	-950.353	204.319	0.
10	0.23546	SLV_DX_U	Min	-944.484	202.445	0.
10	0.47092	SLV_DX_U	Min	-938.616	200.571	0.
10	0.	SLV_SX_U	Max	-662.877	-45.355	0.
10	0.23546	SLV_SX_U	Max	-660.913	-17.266	0.
10	0.47092	SLV_SX_U	Max	-658.95	10.822	0.
10	0.	SLV_SX_U	Min	-662.877	-45.355	0.
10	0.23546	SLV_SX_U	Min	-660.913	-17.266	0.
10	0.47092	SLV_SX_U	Min	-658.95	10.822	0.
11	0.	SLE	Max	-939.598	104.027	0.
11	0.23546	SLE	Max	-931.927	105.252	0.
11	0.47092	SLE	Max	-924.256	106.478	0.
11	0.	SLE	Min	-939.598	104.027	0.
11	0.23546	SLE	Min	-931.927	105.252	0.
11	0.47092	SLE	Min	-924.256	106.478	0.
11	0.	SLU	Max	-1221.477	135.235	0.
11	0.23546	SLU	Max	-1211.505	136.828	0.
11	0.47092	SLU	Max	-1201.533	138.421	0.
11	0.	SLU	Min	-1221.477	135.235	0.
11	0.23546	SLU	Min	-1211.505	136.828	0.
11	0.47092	SLU	Min	-1201.533	138.421	0.
11	0.	SLV_DX_D	Max	-1281.568	314.504	0.
11	0.23546	SLV_DX_D	Max	-1271.974	313.047	0.
11	0.47092	SLV_DX_D	Max	-1262.38	311.59	0.
11	0.	SLV_DX_D	Min	-1281.568	314.504	0.
11	0.23546	SLV_DX_D	Min	-1271.974	313.047	0.
11	0.47092	SLV_DX_D	Min	-1262.38	311.59	0.
11	0.	SLV_SX_D	Max	-995.357	18.748	0.
11	0.23546	SLV_SX_D	Max	-990.619	47.688	0.
11	0.47092	SLV_SX_D	Max	-985.88	76.629	0.
11	0.	SLV_SX_D	Min	-995.357	18.748	0.
11	0.23546	SLV_SX_D	Min	-990.619	47.688	0.
11	0.47092	SLV_SX_D	Min	-985.88	76.629	0.
11	0.	SLV_DX_U	Max	-952.99	290.568	0.
11	0.23546	SLV_DX_U	Max	-946.312	288.646	0.
11	0.47092	SLV_DX_U	Max	-939.633	286.723	0.
11	0.	SLV_DX_U	Min	-952.99	290.568	0.
11	0.23546	SLV_DX_U	Min	-946.312	288.646	0.
11	0.47092	SLV_DX_U	Min	-939.633	286.723	0.
11	0.	SLV_SX_U	Max	-652.915	14.656	0.
11	0.23546	SLV_SX_U	Max	-651.092	43.131	0.
11	0.47092	SLV_SX_U	Max	-649.268	71.606	0.
11	0.	SLV_SX_U	Min	-652.915	14.656	0.
11	0.23546	SLV_SX_U	Min	-651.092	43.131	0.
11	0.47092	SLV_SX_U	Min	-649.268	71.606	0.
12	0.	SLE	Max	-920.22	116.872	0.
12	0.23546	SLE	Max	-911.547	118.515	0.
12	0.47092	SLE	Max	-902.874	120.157	0.
12	0.	SLE	Min	-920.22	116.872	0.
12	0.23546	SLE	Min	-911.547	118.515	0.
12	0.47092	SLE	Min	-902.874	120.157	0.
12	0.	SLU	Max	-1196.286	151.934	0.
12	0.23546	SLU	Max	-1185.011	154.069	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
12	0.47092	SLU	Max	-1173.737	156.205	0.
12	0.	SLU	Min	-1196.286	151.934	0.
12	0.23546	SLU	Min	-1185.011	154.069	0.
12	0.47092	SLU	Min	-1173.737	156.205	0.
12	0.	SLV_DX_D	Max	-1278.274	400.727	0.
12	0.23546	SLV_DX_D	Max	-1267.329	399.386	0.
12	0.47092	SLV_DX_D	Max	-1256.384	398.045	0.
12	0.	SLV_DX_D	Min	-1278.274	400.727	0.
12	0.23546	SLV_DX_D	Min	-1267.329	399.386	0.
12	0.47092	SLV_DX_D	Min	-1256.384	398.045	0.
12	0.	SLV_SX_D	Max	-975.637	70.941	0.
12	0.23546	SLV_SX_D	Max	-970.547	100.513	0.
12	0.47092	SLV_SX_D	Max	-965.457	130.086	0.
12	0.	SLV_SX_D	Min	-975.637	70.941	0.
12	0.23546	SLV_SX_D	Min	-970.547	100.513	0.
12	0.47092	SLV_SX_D	Min	-965.457	130.086	0.
12	0.	SLV_DX_U	Max	-959.616	382.271	0.
12	0.23546	SLV_DX_U	Max	-951.967	380.306	0.
12	0.47092	SLV_DX_U	Max	-944.318	378.34	0.
12	0.	SLV_DX_U	Min	-959.616	382.271	0.
12	0.23546	SLV_DX_U	Min	-951.967	380.306	0.
12	0.47092	SLV_DX_U	Min	-944.318	378.34	0.
12	0.	SLV_SX_U	Max	-644.06	74.666	0.
12	0.23546	SLV_SX_U	Max	-642.266	103.614	0.
12	0.47092	SLV_SX_U	Max	-640.471	132.562	0.
12	0.	SLV_SX_U	Min	-644.06	74.666	0.
12	0.23546	SLV_SX_U	Min	-642.266	103.614	0.
12	0.47092	SLV_SX_U	Min	-640.471	132.562	0.
13	0.	SLE	Max	-898.018	127.471	0.
13	0.23546	SLE	Max	-888.131	129.64	0.
13	0.47092	SLE	Max	-878.245	131.809	0.
13	0.	SLE	Min	-898.018	127.471	0.
13	0.23546	SLE	Min	-888.131	129.64	0.
13	0.47092	SLE	Min	-878.245	131.809	0.
13	0.	SLU	Max	-1167.423	165.712	0.
13	0.23546	SLU	Max	-1154.571	168.532	0.
13	0.47092	SLU	Max	-1141.718	171.352	0.
13	0.	SLU	Min	-1167.423	165.712	0.
13	0.23546	SLU	Min	-1154.571	168.532	0.
13	0.47092	SLU	Min	-1141.718	171.352	0.
13	0.	SLV_DX_D	Max	-1277.514	490.917	0.
13	0.23546	SLV_DX_D	Max	-1264.925	489.742	0.
13	0.47092	SLV_DX_D	Max	-1252.335	488.566	0.
13	0.	SLV_DX_D	Min	-1277.514	490.917	0.
13	0.23546	SLV_DX_D	Min	-1264.925	489.742	0.
13	0.47092	SLV_DX_D	Min	-1252.335	488.566	0.
13	0.	SLV_SX_D	Max	-955.467	124.225	0.
13	0.23546	SLV_SX_D	Max	-949.8	154.601	0.
13	0.47092	SLV_SX_D	Max	-944.133	184.976	0.
13	0.	SLV_SX_D	Min	-955.467	124.225	0.
13	0.23546	SLV_SX_D	Min	-949.8	154.601	0.
13	0.47092	SLV_SX_D	Min	-944.133	184.976	0.
13	0.	SLV_DX_U	Max	-970.616	479.326	0.
13	0.23546	SLV_DX_U	Max	-961.784	477.327	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
13	0.47092	SLV_DX_U	Max	-952.951	475.327	0.
13	0.	SLV_DX_U	Min	-970.616	479.326	0.
13	0.23546	SLV_DX_U	Min	-961.784	477.327	0.
13	0.47092	SLV_DX_U	Min	-952.951	475.327	0.
13	0.	SLV_SX_U	Max	-636.222	134.852	0.
13	0.23546	SLV_SX_U	Max	-634.312	164.403	0.
13	0.47092	SLV_SX_U	Max	-632.402	193.955	0.
13	0.	SLV_SX_U	Min	-636.222	134.852	0.
13	0.23546	SLV_SX_U	Min	-634.312	164.403	0.
13	0.47092	SLV_SX_U	Min	-632.402	193.955	0.
14	0.	SLE	Max	-799.509	-348.003	0.
14	0.23546	SLE	Max	-792.687	-340.526	0.
14	0.47092	SLE	Max	-785.865	-333.048	0.
14	0.	SLE	Min	-799.509	-348.003	0.
14	0.23546	SLE	Min	-792.687	-340.526	0.
14	0.47092	SLE	Min	-785.865	-333.048	0.
14	0.	SLU	Max	-1039.361	-452.404	0.
14	0.23546	SLU	Max	-1030.493	-442.683	0.
14	0.47092	SLU	Max	-1021.624	-432.962	0.
14	0.	SLU	Min	-1039.361	-452.404	0.
14	0.23546	SLU	Min	-1030.493	-442.683	0.
14	0.47092	SLU	Min	-1021.624	-432.962	0.
14	0.	SLV_DX_D	Max	-1345.536	-231.122	0.
14	0.23546	SLV_DX_D	Max	-1334.577	-224.816	0.
14	0.47092	SLV_DX_D	Max	-1323.617	-218.51	0.
14	0.	SLV_DX_D	Min	-1345.536	-231.122	0.
14	0.23546	SLV_DX_D	Min	-1334.577	-224.816	0.
14	0.47092	SLV_DX_D	Min	-1323.617	-218.51	0.
14	0.	SLV_SX_D	Max	-876.276	-341.003	0.
14	0.23546	SLV_SX_D	Max	-883.544	-318.068	0.
14	0.47092	SLV_SX_D	Max	-890.812	-295.133	0.
14	0.	SLV_SX_D	Min	-876.276	-341.003	0.
14	0.23546	SLV_SX_D	Min	-883.544	-318.068	0.
14	0.47092	SLV_SX_D	Min	-890.812	-295.133	0.
14	0.	SLV_DX_U	Max	-1103.062	-76.936	0.
14	0.23546	SLV_DX_U	Max	-1094.695	-73.472	0.
14	0.47092	SLV_DX_U	Max	-1086.328	-70.007	0.
14	0.	SLV_DX_U	Min	-1103.062	-76.936	0.
14	0.23546	SLV_DX_U	Min	-1094.695	-73.472	0.
14	0.47092	SLV_DX_U	Min	-1086.328	-70.007	0.
14	0.	SLV_SX_U	Max	-635.507	-163.202	0.
14	0.23546	SLV_SX_U	Max	-645.367	-143.108	0.
14	0.47092	SLV_SX_U	Max	-655.227	-123.015	0.
14	0.	SLV_SX_U	Min	-635.507	-163.202	0.
14	0.23546	SLV_SX_U	Min	-645.367	-143.108	0.
14	0.47092	SLV_SX_U	Min	-655.227	-123.015	0.
15	0.	SLE	Max	-762.958	-300.357	0.
15	0.23546	SLE	Max	-757.199	-293.667	0.
15	0.47092	SLE	Max	-751.44	-286.977	0.
15	0.	SLE	Min	-762.958	-300.357	0.
15	0.23546	SLE	Min	-757.199	-293.667	0.
15	0.47092	SLE	Min	-751.44	-286.977	0.
15	0.	SLU	Max	-991.845	-390.464	0.
15	0.23546	SLU	Max	-984.358	-381.767	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
15	0.47092	SLU	Max	-976.872	-373.071	0.
15	0.	SLU	Min	-991.845	-390.464	0.
15	0.23546	SLU	Min	-984.358	-381.767	0.
15	0.47092	SLU	Min	-976.872	-373.071	0.
15	0.	SLV_DX_D	Max	-1297.589	-191.563	0.
15	0.23546	SLV_DX_D	Max	-1288.193	-185.79	0.
15	0.47092	SLV_DX_D	Max	-1278.798	-180.018	0.
15	0.	SLV_DX_D	Min	-1297.589	-191.563	0.
15	0.23546	SLV_DX_D	Min	-1288.193	-185.79	0.
15	0.47092	SLV_DX_D	Min	-1278.798	-180.018	0.
15	0.	SLV_SX_D	Max	-862.718	-258.235	0.
15	0.23546	SLV_SX_D	Max	-870.864	-237.362	0.
15	0.47092	SLV_SX_D	Max	-879.01	-216.489	0.
15	0.	SLV_SX_D	Min	-862.718	-258.235	0.
15	0.23546	SLV_SX_D	Min	-870.864	-237.362	0.
15	0.47092	SLV_SX_D	Min	-879.01	-216.489	0.
15	0.	SLV_DX_U	Max	-1077.167	-49.173	0.
15	0.23546	SLV_DX_U	Max	-1069.96	-45.943	0.
15	0.47092	SLV_DX_U	Max	-1062.753	-42.713	0.
15	0.	SLV_DX_U	Min	-1077.167	-49.173	0.
15	0.23546	SLV_DX_U	Min	-1069.96	-45.943	0.
15	0.47092	SLV_DX_U	Min	-1062.753	-42.713	0.
15	0.	SLV_SX_U	Max	-644.658	-93.889	0.
15	0.23546	SLV_SX_U	Max	-654.992	-75.558	0.
15	0.47092	SLV_SX_U	Max	-665.326	-57.226	0.
15	0.	SLV_SX_U	Min	-644.658	-93.889	0.
15	0.23546	SLV_SX_U	Min	-654.992	-75.558	0.
15	0.47092	SLV_SX_U	Min	-665.326	-57.226	0.
16	0.	SLE	Max	-730.606	-255.133	0.
16	0.23546	SLE	Max	-725.71	-249.103	0.
16	0.47092	SLE	Max	-720.813	-243.073	0.
16	0.	SLE	Min	-730.606	-255.133	0.
16	0.23546	SLE	Min	-725.71	-249.103	0.
16	0.47092	SLE	Min	-720.813	-243.073	0.
16	0.	SLU	Max	-949.788	-331.673	0.
16	0.23546	SLU	Max	-943.423	-323.834	0.
16	0.47092	SLU	Max	-937.057	-315.994	0.
16	0.	SLU	Min	-949.788	-331.673	0.
16	0.23546	SLU	Min	-943.423	-323.834	0.
16	0.47092	SLU	Min	-937.057	-315.994	0.
16	0.	SLV_DX_D	Max	-1254.977	-153.564	0.
16	0.23546	SLV_DX_D	Max	-1246.859	-148.249	0.
16	0.47092	SLV_DX_D	Max	-1238.74	-142.933	0.
16	0.	SLV_DX_D	Min	-1254.977	-153.564	0.
16	0.23546	SLV_DX_D	Min	-1246.859	-148.249	0.
16	0.47092	SLV_DX_D	Min	-1238.74	-142.933	0.
16	0.	SLV_SX_D	Max	-854.266	-181.095	0.
16	0.23546	SLV_SX_D	Max	-863.059	-162.047	0.
16	0.47092	SLV_SX_D	Max	-871.853	-143.	0.
16	0.	SLV_SX_D	Min	-854.266	-181.095	0.
16	0.23546	SLV_SX_D	Min	-863.059	-162.047	0.
16	0.47092	SLV_SX_D	Min	-871.853	-143.	0.
16	0.	SLV_DX_U	Max	-1054.774	-22.793	0.
16	0.23546	SLV_DX_U	Max	-1048.516	-19.769	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
16	0.47092	SLV_DX_U	Max	-1042.259	-16.745	0.
16	0.	SLV_DX_U	Min	-1054.774	-22.793	0.
16	0.23546	SLV_DX_U	Min	-1048.516	-19.769	0.
16	0.47092	SLV_DX_U	Min	-1042.259	-16.745	0.
16	0.	SLV_SX_U	Max	-657.03	-30.246	0.
16	0.23546	SLV_SX_U	Max	-667.684	-13.491	0.
16	0.47092	SLV_SX_U	Max	-678.338	3.265	0.
16	0.	SLV_SX_U	Min	-657.03	-30.246	0.
16	0.23546	SLV_SX_U	Min	-667.684	-13.491	0.
16	0.47092	SLV_SX_U	Min	-678.338	3.265	0.
17	0.	SLE	Max	-701.999	-212.212	0.
17	0.23546	SLE	Max	-697.815	-206.744	0.
17	0.47092	SLE	Max	-693.631	-201.276	0.
17	0.	SLE	Min	-701.999	-212.212	0.
17	0.23546	SLE	Min	-697.815	-206.744	0.
17	0.47092	SLE	Min	-693.631	-201.276	0.
17	0.	SLU	Max	-912.599	-275.876	0.
17	0.23546	SLU	Max	-907.159	-268.768	0.
17	0.47092	SLU	Max	-901.72	-261.659	0.
17	0.	SLU	Min	-912.599	-275.876	0.
17	0.23546	SLU	Min	-907.159	-268.768	0.
17	0.47092	SLU	Min	-901.72	-261.659	0.
17	0.	SLV_DX_D	Max	-1217.102	-117.191	0.
17	0.23546	SLV_DX_D	Max	-1210.045	-112.275	0.
17	0.47092	SLV_DX_D	Max	-1202.988	-107.358	0.
17	0.	SLV_DX_D	Min	-1217.102	-117.191	0.
17	0.23546	SLV_DX_D	Min	-1210.045	-112.275	0.
17	0.47092	SLV_DX_D	Min	-1202.988	-107.358	0.
17	0.	SLV_SX_D	Max	-850.326	-109.299	0.
17	0.23546	SLV_SX_D	Max	-859.583	-91.898	0.
17	0.47092	SLV_SX_D	Max	-868.841	-74.496	0.
17	0.	SLV_SX_D	Min	-850.326	-109.299	0.
17	0.23546	SLV_SX_D	Min	-859.583	-91.898	0.
17	0.47092	SLV_SX_D	Min	-868.841	-74.496	0.
17	0.	SLV_DX_U	Max	-1035.429	2.158	0.
17	0.23546	SLV_DX_U	Max	-1029.962	4.997	0.
17	0.47092	SLV_DX_U	Max	-1024.495	7.836	0.
17	0.	SLV_DX_U	Min	-1035.429	2.158	0.
17	0.23546	SLV_DX_U	Min	-1029.962	4.997	0.
17	0.47092	SLV_DX_U	Min	-1024.495	7.836	0.
17	0.	SLV_SX_U	Max	-672.168	28.019	0.
17	0.23546	SLV_SX_U	Max	-683.016	43.343	0.
17	0.47092	SLV_SX_U	Max	-693.864	58.667	0.
17	0.	SLV_SX_U	Min	-672.168	28.019	0.
17	0.23546	SLV_SX_U	Min	-683.016	43.343	0.
17	0.47092	SLV_SX_U	Min	-693.864	58.667	0.
18	0.	SLE	Max	-676.786	-171.503	0.
18	0.23546	SLE	Max	-673.174	-166.49	0.
18	0.47092	SLE	Max	-669.561	-161.477	0.
18	0.	SLE	Min	-676.786	-171.503	0.
18	0.23546	SLE	Min	-673.174	-166.49	0.
18	0.47092	SLE	Min	-669.561	-161.477	0.
18	0.	SLU	Max	-879.822	-222.954	0.
18	0.23546	SLU	Max	-875.126	-216.437	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
18	0.47092	SLU	Max	-870.43	-209.92	0.
18	0.	SLU	Min	-879.822	-222.954	0.
18	0.23546	SLU	Min	-875.126	-216.437	0.
18	0.47092	SLU	Min	-870.43	-209.92	0.
18	0.	SLV_DX_D	Max	-1183.501	-82.497	0.
18	0.23546	SLV_DX_D	Max	-1177.297	-77.904	0.
18	0.47092	SLV_DX_D	Max	-1171.094	-73.311	0.
18	0.	SLV_DX_D	Min	-1183.501	-82.497	0.
18	0.23546	SLV_DX_D	Min	-1177.297	-77.904	0.
18	0.47092	SLV_DX_D	Min	-1171.094	-73.311	0.
18	0.	SLV_SX_D	Max	-850.4	-42.636	0.
18	0.23546	SLV_SX_D	Max	-859.956	-26.687	0.
18	0.47092	SLV_SX_D	Max	-869.512	-10.739	0.
18	0.	SLV_SX_D	Min	-850.4	-42.636	0.
18	0.23546	SLV_SX_D	Min	-859.956	-26.687	0.
18	0.47092	SLV_SX_D	Min	-869.512	-10.739	0.
18	0.	SLV_DX_U	Max	-1018.779	25.66	0.
18	0.23546	SLV_DX_U	Max	-1013.948	28.348	0.
18	0.47092	SLV_DX_U	Max	-1009.117	31.036	0.
18	0.	SLV_DX_U	Min	-1018.779	25.66	0.
18	0.23546	SLV_DX_U	Min	-1013.948	28.348	0.
18	0.47092	SLV_DX_U	Min	-1009.117	31.036	0.
18	0.	SLV_SX_U	Max	-689.677	81.148	0.
18	0.23546	SLV_SX_U	Max	-700.606	95.191	0.
18	0.47092	SLV_SX_U	Max	-711.535	109.235	0.
18	0.	SLV_SX_U	Min	-689.677	81.148	0.
18	0.23546	SLV_SX_U	Min	-700.606	95.191	0.
18	0.47092	SLV_SX_U	Min	-711.535	109.235	0.
19	0.	SLE	Max	-654.627	-132.895	0.
19	0.23546	SLE	Max	-651.458	-128.218	0.
19	0.47092	SLE	Max	-648.288	-123.542	0.
19	0.	SLE	Min	-654.627	-132.895	0.
19	0.23546	SLE	Min	-651.458	-128.218	0.
19	0.47092	SLE	Min	-648.288	-123.542	0.
19	0.	SLU	Max	-851.015	-172.764	0.
19	0.23546	SLU	Max	-846.895	-166.684	0.
19	0.47092	SLU	Max	-842.775	-160.604	0.
19	0.	SLU	Min	-851.015	-172.764	0.
19	0.23546	SLU	Min	-846.895	-166.684	0.
19	0.47092	SLU	Min	-842.775	-160.604	0.
19	0.	SLV_DX_D	Max	-1153.713	-49.511	0.
19	0.23546	SLV_DX_D	Max	-1148.164	-45.15	0.
19	0.47092	SLV_DX_D	Max	-1142.616	-40.789	0.
19	0.	SLV_DX_D	Min	-1153.713	-49.511	0.
19	0.23546	SLV_DX_D	Min	-1148.164	-45.15	0.
19	0.47092	SLV_DX_D	Min	-1142.616	-40.789	0.
19	0.	SLV_SX_D	Max	-854.019	19.133	0.
19	0.23546	SLV_SX_D	Max	-863.725	33.831	0.
19	0.47092	SLV_SX_D	Max	-873.431	48.53	0.
19	0.	SLV_SX_D	Min	-854.019	19.133	0.
19	0.23546	SLV_SX_D	Min	-863.725	33.831	0.
19	0.47092	SLV_SX_D	Min	-873.431	48.53	0.
19	0.	SLV_DX_U	Max	-1004.476	47.704	0.
19	0.23546	SLV_DX_U	Max	-1000.131	50.287	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
19	0.47092	SLV_DX_U	Max	-995.787	52.871	0.
19	0.	SLV_DX_U	Min	-1004.476	47.704	0.
19	0.23546	SLV_DX_U	Min	-1000.131	50.287	0.
19	0.47092	SLV_DX_U	Min	-995.787	52.871	0.
19	0.	SLV_SX_U	Max	-709.194	129.393	0.
19	0.23546	SLV_SX_U	Max	-720.104	142.315	0.
19	0.47092	SLV_SX_U	Max	-731.015	155.236	0.
19	0.	SLV_SX_U	Min	-709.194	129.393	0.
19	0.23546	SLV_SX_U	Min	-720.104	142.315	0.
19	0.47092	SLV_SX_U	Min	-731.015	155.236	0.
20	0.	SLE	Max	-635.206	-96.235	0.
20	0.23546	SLE	Max	-632.299	-91.667	0.
20	0.47092	SLE	Max	-629.392	-87.1	0.
20	0.	SLE	Min	-635.206	-96.235	0.
20	0.23546	SLE	Min	-632.299	-91.667	0.
20	0.47092	SLE	Min	-629.392	-87.1	0.
20	0.	SLU	Max	-825.768	-125.105	0.
20	0.23546	SLU	Max	-821.989	-119.168	0.
20	0.47092	SLU	Max	-818.21	-113.23	0.
20	0.	SLU	Min	-825.768	-125.105	0.
20	0.23546	SLU	Min	-821.989	-119.168	0.
20	0.47092	SLU	Min	-818.21	-113.23	0.
20	0.	SLV_DX_D	Max	-1127.29	-18.201	0.
20	0.23546	SLV_DX_D	Max	-1122.095	-13.871	0.
20	0.47092	SLV_DX_D	Max	-1116.9	-9.54	0.
20	0.	SLV_DX_D	Min	-1127.29	-18.201	0.
20	0.23546	SLV_DX_D	Min	-1122.095	-13.871	0.
20	0.47092	SLV_DX_D	Min	-1116.9	-9.54	0.
20	0.	SLV_SX_D	Max	-860.751	76.293	0.
20	0.23546	SLV_SX_D	Max	-870.439	90.097	0.
20	0.47092	SLV_SX_D	Max	-880.128	103.9	0.
20	0.	SLV_SX_D	Min	-860.751	76.293	0.
20	0.23546	SLV_SX_D	Min	-870.439	90.097	0.
20	0.47092	SLV_SX_D	Min	-880.128	103.9	0.
20	0.	SLV_DX_U	Max	-992.177	68.322	0.
20	0.23546	SLV_DX_U	Max	-988.087	70.917	0.
20	0.47092	SLV_DX_U	Max	-983.996	73.512	0.
20	0.	SLV_DX_U	Min	-992.177	68.322	0.
20	0.23546	SLV_DX_U	Min	-988.087	70.917	0.
20	0.47092	SLV_DX_U	Min	-983.996	73.512	0.
20	0.	SLV_SX_U	Max	-730.385	173.042	0.
20	0.23546	SLV_SX_U	Max	-741.178	185.11	0.
20	0.47092	SLV_SX_U	Max	-751.971	197.177	0.
20	0.	SLV_SX_U	Min	-730.385	173.042	0.
20	0.23546	SLV_SX_U	Min	-741.178	185.11	0.
20	0.47092	SLV_SX_U	Min	-751.971	197.177	0.
21	0.	SLE	Max	-618.109	-61.137	0.
21	0.23546	SLE	Max	-615.395	-56.589	0.
21	0.47092	SLE	Max	-612.681	-52.041	0.
21	0.	SLE	Min	-618.109	-61.137	0.
21	0.23546	SLE	Min	-615.395	-56.589	0.
21	0.47092	SLE	Min	-612.681	-52.041	0.
21	0.	SLU	Max	-803.542	-79.478	0.
21	0.23546	SLU	Max	-800.014	-73.565	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
21	0.47092	SLU	Max	-796.486	-67.653	0.
21	0.	SLU	Min	-803.542	-79.478	0.
21	0.23546	SLU	Min	-800.014	-73.565	0.
21	0.47092	SLU	Min	-796.486	-67.653	0.
21	0.	SLV_DX_D	Max	-1103.577	11.703	0.
21	0.23546	SLV_DX_D	Max	-1098.62	16.084	0.
21	0.47092	SLV_DX_D	Max	-1093.662	20.465	0.
21	0.	SLV_DX_D	Min	-1103.577	11.703	0.
21	0.23546	SLV_DX_D	Min	-1098.62	16.084	0.
21	0.47092	SLV_DX_D	Min	-1093.662	20.465	0.
21	0.	SLV_SX_D	Max	-870.133	129.452	0.
21	0.23546	SLV_SX_D	Max	-879.718	142.511	0.
21	0.47092	SLV_SX_D	Max	-889.303	155.57	0.
21	0.	SLV_SX_D	Min	-870.133	129.452	0.
21	0.23546	SLV_SX_D	Min	-879.718	142.511	0.
21	0.47092	SLV_SX_D	Min	-889.303	155.57	0.
21	0.	SLV_DX_U	Max	-981.378	87.695	0.
21	0.23546	SLV_DX_U	Max	-977.451	90.348	0.
21	0.47092	SLV_DX_U	Max	-973.525	93.	0.
21	0.	SLV_DX_U	Min	-981.378	87.695	0.
21	0.23546	SLV_DX_U	Min	-977.451	90.348	0.
21	0.47092	SLV_DX_U	Min	-973.525	93.	0.
21	0.	SLV_SX_U	Max	-752.931	212.613	0.
21	0.23546	SLV_SX_U	Max	-763.547	223.943	0.
21	0.47092	SLV_SX_U	Max	-774.164	235.274	0.
21	0.	SLV_SX_U	Min	-752.931	212.613	0.
21	0.23546	SLV_SX_U	Min	-763.547	223.943	0.
21	0.47092	SLV_SX_U	Min	-774.164	235.274	0.
22	0.	SLE	Max	-601.607	-39.24	0.
22	0.258	SLE	Max	-598.895	-34.11	0.
22	0.516	SLE	Max	-596.184	-28.979	0.
22	0.	SLE	Min	-601.607	-39.24	0.
22	0.258	SLE	Min	-598.895	-34.11	0.
22	0.516	SLE	Min	-596.184	-28.979	0.
22	0.	SLU	Max	-782.089	-51.013	0.
22	0.258	SLU	Max	-778.564	-44.343	0.
22	0.516	SLU	Max	-775.039	-37.673	0.
22	0.	SLU	Min	-782.089	-51.013	0.
22	0.258	SLU	Min	-778.564	-44.343	0.
22	0.516	SLU	Min	-775.039	-37.673	0.
22	0.	SLV_DX_D	Max	-1081.957	17.825	0.
22	0.258	SLV_DX_D	Max	-1076.781	22.901	0.
22	0.516	SLV_DX_D	Max	-1071.604	27.976	0.
22	0.	SLV_DX_D	Min	-1081.957	17.825	0.
22	0.258	SLV_DX_D	Min	-1076.781	22.901	0.
22	0.516	SLV_DX_D	Min	-1071.604	27.976	0.
22	0.	SLV_SX_D	Max	-884.804	160.969	0.
22	0.258	SLV_SX_D	Max	-894.931	174.133	0.
22	0.516	SLV_SX_D	Max	-905.058	187.296	0.
22	0.	SLV_SX_D	Min	-884.804	160.969	0.
22	0.258	SLV_SX_D	Min	-894.931	174.133	0.
22	0.516	SLV_SX_D	Min	-905.058	187.296	0.
22	0.	SLV_DX_U	Max	-973.424	85.383	0.
22	0.258	SLV_DX_U	Max	-969.278	88.508	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
22	0.516	SLV_DX_U	Max	-965.132	91.634	0.
22	0.	SLV_DX_U	Min	-973.424	85.383	0.
22	0.258	SLV_DX_U	Min	-969.278	88.508	0.
22	0.516	SLV_DX_U	Min	-965.132	91.634	0.
22	0.	SLV_SX_U	Max	-781.552	232.136	0.
22	0.258	SLV_SX_U	Max	-792.709	243.35	0.
22	0.516	SLV_SX_U	Max	-803.867	254.564	0.
22	0.	SLV_SX_U	Min	-781.552	232.136	0.
22	0.258	SLV_SX_U	Min	-792.709	243.35	0.
22	0.516	SLV_SX_U	Min	-803.867	254.564	0.
23	0.	SLE	Max	-586.203	-28.521	0.
23	0.258	SLE	Max	-583.882	-23.202	0.
23	0.516	SLE	Max	-581.561	-17.882	0.
23	0.	SLE	Min	-586.203	-28.521	0.
23	0.258	SLE	Min	-583.882	-23.202	0.
23	0.516	SLE	Min	-581.561	-17.882	0.
23	0.	SLU	Max	-762.063	-37.077	0.
23	0.258	SLU	Max	-759.046	-30.162	0.
23	0.516	SLU	Max	-756.03	-23.247	0.
23	0.	SLU	Min	-762.063	-37.077	0.
23	0.258	SLU	Min	-759.046	-30.162	0.
23	0.516	SLU	Min	-756.03	-23.247	0.
23	0.	SLV_DX_D	Max	-1061.322	2.378	0.
23	0.258	SLV_DX_D	Max	-1056.539	7.826	0.
23	0.516	SLV_DX_D	Max	-1051.756	13.274	0.
23	0.	SLV_DX_D	Min	-1061.322	2.378	0.
23	0.258	SLV_DX_D	Min	-1056.539	7.826	0.
23	0.516	SLV_DX_D	Min	-1051.756	13.274	0.
23	0.	SLV_SX_D	Max	-907.06	171.673	0.
23	0.258	SLV_SX_D	Max	-916.438	183.299	0.
23	0.516	SLV_SX_D	Max	-925.816	194.925	0.
23	0.	SLV_SX_D	Min	-907.06	171.673	0.
23	0.258	SLV_SX_D	Min	-916.438	183.299	0.
23	0.516	SLV_SX_D	Min	-925.816	194.925	0.
23	0.	SLV_DX_U	Max	-966.674	62.307	0.
23	0.258	SLV_DX_U	Max	-962.773	65.734	0.
23	0.516	SLV_DX_U	Max	-958.872	69.161	0.
23	0.	SLV_DX_U	Min	-966.674	62.307	0.
23	0.258	SLV_DX_U	Min	-962.773	65.734	0.
23	0.516	SLV_DX_U	Min	-958.872	69.161	0.
23	0.	SLV_SX_U	Max	-817.811	231.114	0.
23	0.258	SLV_SX_U	Max	-828.071	240.719	0.
23	0.516	SLV_SX_U	Max	-838.33	250.324	0.
23	0.	SLV_SX_U	Min	-817.811	231.114	0.
23	0.258	SLV_SX_U	Min	-828.071	240.719	0.
23	0.516	SLV_SX_U	Min	-838.33	250.324	0.
24	0.	SLE	Max	-573.79	-17.855	0.
24	0.258	SLE	Max	-571.873	-12.378	0.
24	0.516	SLE	Max	-569.956	-6.9	0.
24	0.	SLE	Min	-573.79	-17.855	0.
24	0.258	SLE	Min	-571.873	-12.378	0.
24	0.516	SLE	Min	-569.956	-6.9	0.
24	0.	SLU	Max	-745.927	-23.212	0.
24	0.258	SLU	Max	-743.435	-16.091	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
24	0.516	SLU	Max	-740.943	-8.97	0.
24	0.	SLU	Min	-745.927	-23.212	0.
24	0.258	SLU	Min	-743.435	-16.091	0.
24	0.516	SLU	Min	-740.943	-8.97	0.
24	0.	SLV_DX_D	Max	-1042.392	-12.86	0.
24	0.258	SLV_DX_D	Max	-1038.029	-7.07	0.
24	0.516	SLV_DX_D	Max	-1033.667	-1.28	0.
24	0.	SLV_DX_D	Min	-1042.392	-12.86	0.
24	0.258	SLV_DX_D	Min	-1038.029	-7.07	0.
24	0.516	SLV_DX_D	Min	-1033.667	-1.28	0.
24	0.	SLV_SX_D	Max	-930.312	176.275	0.
24	0.258	SLV_SX_D	Max	-938.719	186.533	0.
24	0.516	SLV_SX_D	Max	-947.125	196.791	0.
24	0.	SLV_SX_D	Min	-930.312	176.275	0.
24	0.258	SLV_SX_D	Min	-938.719	186.533	0.
24	0.516	SLV_SX_D	Min	-947.125	196.791	0.
24	0.	SLV_DX_U	Max	-959.436	38.449	0.
24	0.258	SLV_DX_U	Max	-955.802	42.158	0.
24	0.516	SLV_DX_U	Max	-952.168	45.866	0.
24	0.	SLV_DX_U	Min	-959.436	38.449	0.
24	0.258	SLV_DX_U	Min	-955.802	42.158	0.
24	0.516	SLV_DX_U	Min	-952.168	45.866	0.
24	0.	SLV_SX_U	Max	-852.557	222.779	0.
24	0.258	SLV_SX_U	Max	-861.692	230.955	0.
24	0.516	SLV_SX_U	Max	-870.827	239.132	0.
24	0.	SLV_SX_U	Min	-852.557	222.779	0.
24	0.258	SLV_SX_U	Min	-861.692	230.955	0.
24	0.516	SLV_SX_U	Min	-870.827	239.132	0.
25	0.	SLE	Max	-564.366	-7.495	0.
25	0.258	SLE	Max	-562.864	-1.89	0.
25	0.516	SLE	Max	-561.362	3.716	0.
25	0.	SLE	Min	-564.366	-7.495	0.
25	0.258	SLE	Min	-562.864	-1.89	0.
25	0.516	SLE	Min	-561.362	3.716	0.
25	0.	SLU	Max	-733.675	-9.744	0.
25	0.258	SLU	Max	-731.723	-2.457	0.
25	0.516	SLU	Max	-729.77	4.831	0.
25	0.	SLU	Min	-733.675	-9.744	0.
25	0.258	SLU	Min	-731.723	-2.457	0.
25	0.516	SLU	Min	-729.77	4.831	0.
25	0.	SLV_DX_D	Max	-1025.202	-28.169	0.
25	0.258	SLV_DX_D	Max	-1021.285	-22.07	0.
25	0.516	SLV_DX_D	Max	-1017.367	-15.97	0.
25	0.	SLV_DX_D	Min	-1025.202	-28.169	0.
25	0.258	SLV_DX_D	Min	-1021.285	-22.07	0.
25	0.516	SLV_DX_D	Min	-1017.367	-15.97	0.
25	0.	SLV_SX_D	Max	-953.663	175.054	0.
25	0.258	SLV_SX_D	Max	-960.908	184.145	0.
25	0.516	SLV_SX_D	Max	-968.152	193.235	0.
25	0.	SLV_SX_D	Min	-953.663	175.054	0.
25	0.258	SLV_SX_D	Min	-960.908	184.145	0.
25	0.516	SLV_SX_D	Min	-968.152	193.235	0.
25	0.	SLV_DX_U	Max	-951.684	13.805	0.
25	0.258	SLV_DX_U	Max	-948.338	17.774	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
25	0.516	SLV_DX_U	Max	-944.991	21.744	0.
25	0.	SLV_DX_U	Min	-951.684	13.805	0.
25	0.258	SLV_DX_U	Min	-948.338	17.774	0.
25	0.516	SLV_DX_U	Min	-944.991	21.744	0.
25	0.	SLV_SX_U	Max	-884.82	207.763	0.
25	0.258	SLV_SX_U	Max	-892.635	214.724	0.
25	0.516	SLV_SX_U	Max	-900.45	221.684	0.
25	0.	SLV_SX_U	Min	-884.82	207.763	0.
25	0.258	SLV_SX_U	Min	-892.635	214.724	0.
25	0.516	SLV_SX_U	Min	-900.45	221.684	0.
26	0.	SLE	Max	-557.881	2.342	0.
26	0.258	SLE	Max	-556.802	8.044	0.
26	0.516	SLE	Max	-555.724	13.746	0.
26	0.	SLE	Min	-557.881	2.342	0.
26	0.258	SLE	Min	-556.802	8.044	0.
26	0.516	SLE	Min	-555.724	13.746	0.
26	0.	SLU	Max	-725.246	3.044	0.
26	0.258	SLU	Max	-723.843	10.457	0.
26	0.516	SLU	Max	-722.441	17.87	0.
26	0.	SLU	Min	-725.246	3.044	0.
26	0.258	SLU	Min	-723.843	10.457	0.
26	0.516	SLU	Min	-722.441	17.87	0.
26	0.	SLV_DX_D	Max	-1009.732	-43.643	0.
26	0.258	SLV_DX_D	Max	-1006.282	-37.268	0.
26	0.516	SLV_DX_D	Max	-1002.831	-30.892	0.
26	0.	SLV_DX_D	Min	-1009.732	-43.643	0.
26	0.258	SLV_DX_D	Min	-1006.282	-37.268	0.
26	0.516	SLV_DX_D	Min	-1002.831	-30.892	0.
26	0.	SLV_SX_D	Max	-976.274	168.459	0.
26	0.258	SLV_SX_D	Max	-982.2	176.609	0.
26	0.516	SLV_SX_D	Max	-988.125	184.759	0.
26	0.	SLV_SX_D	Min	-976.274	168.459	0.
26	0.258	SLV_SX_D	Min	-982.2	176.609	0.
26	0.516	SLV_SX_D	Min	-988.125	184.759	0.
26	0.	SLV_DX_U	Max	-943.381	-11.618	0.
26	0.258	SLV_DX_U	Max	-940.34	-7.409	0.
26	0.516	SLV_DX_U	Max	-937.3	-3.201	0.
26	0.	SLV_DX_U	Min	-943.381	-11.618	0.
26	0.258	SLV_DX_U	Min	-940.34	-7.409	0.
26	0.516	SLV_DX_U	Min	-937.3	-3.201	0.
26	0.	SLV_SX_U	Max	-913.733	186.844	0.
26	0.258	SLV_SX_U	Max	-920.069	192.827	0.
26	0.516	SLV_SX_U	Max	-926.405	198.809	0.
26	0.	SLV_SX_U	Min	-913.733	186.844	0.
26	0.258	SLV_SX_U	Min	-920.069	192.827	0.
26	0.516	SLV_SX_U	Min	-926.405	198.809	0.
27	0.	SLE	Max	-554.254	11.482	0.
27	0.258	SLE	Max	-553.604	17.248	0.
27	0.516	SLE	Max	-552.954	23.015	0.
27	0.	SLE	Min	-554.254	11.482	0.
27	0.258	SLE	Min	-553.604	17.248	0.
27	0.516	SLE	Min	-552.954	23.015	0.
27	0.	SLU	Max	-720.53	14.926	0.
27	0.258	SLU	Max	-719.686	22.423	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
27	0.516	SLU	Max	-718.841	29.92	0.
27	0.	SLU	Min	-720.53	14.926	0.
27	0.258	SLU	Min	-719.686	22.423	0.
27	0.516	SLU	Min	-718.841	29.92	0.
27	0.	SLV_DX_D	Max	-995.942	-59.043	0.
27	0.258	SLV_DX_D	Max	-992.978	-52.428	0.
27	0.516	SLV_DX_D	Max	-990.013	-45.812	0.
27	0.	SLV_DX_D	Min	-995.942	-59.043	0.
27	0.258	SLV_DX_D	Min	-992.978	-52.428	0.
27	0.516	SLV_DX_D	Min	-990.013	-45.812	0.
27	0.	SLV_SX_D	Max	-997.394	157.103	0.
27	0.258	SLV_SX_D	Max	-1001.883	164.559	0.
27	0.516	SLV_SX_D	Max	-1006.373	172.014	0.
27	0.	SLV_SX_D	Min	-997.394	157.103	0.
27	0.258	SLV_SX_D	Min	-1001.883	164.559	0.
27	0.516	SLV_SX_D	Min	-1006.373	172.014	0.
27	0.	SLV_DX_U	Max	-934.477	-37.779	0.
27	0.258	SLV_DX_U	Max	-931.759	-33.355	0.
27	0.516	SLV_DX_U	Max	-929.041	-28.93	0.
27	0.	SLV_DX_U	Min	-934.477	-37.779	0.
27	0.258	SLV_DX_U	Min	-931.759	-33.355	0.
27	0.516	SLV_DX_U	Min	-929.041	-28.93	0.
27	0.	SLV_SX_U	Max	-938.562	161.174	0.
27	0.258	SLV_SX_U	Max	-943.299	166.438	0.
27	0.516	SLV_SX_U	Max	-948.035	171.702	0.
27	0.	SLV_SX_U	Min	-938.562	161.174	0.
27	0.258	SLV_SX_U	Min	-943.299	166.438	0.
27	0.516	SLV_SX_U	Min	-948.035	171.702	0.
28	0.	SLE	Max	-553.378	19.79	0.
28	0.258	SLE	Max	-553.161	25.589	0.
28	0.516	SLE	Max	-552.944	31.388	0.
28	0.	SLE	Min	-553.378	19.79	0.
28	0.258	SLE	Min	-553.161	25.589	0.
28	0.516	SLE	Min	-552.944	31.388	0.
28	0.	SLU	Max	-719.391	25.727	0.
28	0.258	SLU	Max	-719.109	33.266	0.
28	0.516	SLU	Max	-718.827	40.805	0.
28	0.	SLU	Min	-719.391	25.727	0.
28	0.258	SLU	Min	-719.109	33.266	0.
28	0.516	SLU	Min	-718.827	40.805	0.
28	0.	SLV_DX_D	Max	-983.801	-74.26	0.
28	0.258	SLV_DX_D	Max	-981.339	-67.442	0.
28	0.516	SLV_DX_D	Max	-978.877	-60.623	0.
28	0.	SLV_DX_D	Min	-983.801	-74.26	0.
28	0.258	SLV_DX_D	Min	-981.339	-67.442	0.
28	0.516	SLV_DX_D	Min	-978.877	-60.623	0.
28	0.	SLV_SX_D	Max	-1016.392	141.735	0.
28	0.258	SLV_SX_D	Max	-1019.369	148.757	0.
28	0.516	SLV_SX_D	Max	-1022.346	155.779	0.
28	0.	SLV_SX_D	Min	-1016.392	141.735	0.
28	0.258	SLV_SX_D	Min	-1019.369	148.757	0.
28	0.516	SLV_SX_D	Min	-1022.346	155.779	0.
28	0.	SLV_DX_U	Max	-924.919	-64.61	0.
28	0.258	SLV_DX_U	Max	-922.54	-59.995	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
28	0.516	SLV_DX_U	Max	-920.16	-55.38	0.
28	0.	SLV_DX_U	Min	-924.919	-64.61	0.
28	0.258	SLV_DX_U	Min	-922.54	-59.995	0.
28	0.516	SLV_DX_U	Min	-920.16	-55.38	0.
28	0.	SLV_SX_U	Max	-958.769	132.66	0.
28	0.258	SLV_SX_U	Max	-961.829	137.478	0.
28	0.516	SLV_SX_U	Max	-964.888	142.297	0.
28	0.	SLV_SX_U	Min	-958.769	132.66	0.
28	0.258	SLV_SX_U	Min	-961.829	137.478	0.
28	0.516	SLV_SX_U	Min	-964.888	142.297	0.
29	0.	SLE	Max	-555.138	27.118	0.
29	0.258	SLE	Max	-555.355	32.917	0.
29	0.516	SLE	Max	-555.572	38.716	0.
29	0.	SLE	Min	-555.138	27.118	0.
29	0.258	SLE	Min	-555.355	32.917	0.
29	0.516	SLE	Min	-555.572	38.716	0.
29	0.	SLU	Max	-721.679	35.253	0.
29	0.258	SLU	Max	-721.961	42.792	0.
29	0.516	SLU	Max	-722.243	50.331	0.
29	0.	SLU	Min	-721.679	35.253	0.
29	0.258	SLU	Min	-721.961	42.792	0.
29	0.516	SLU	Min	-722.243	50.331	0.
29	0.	SLV_DX_D	Max	-973.268	-89.403	0.
29	0.258	SLV_DX_D	Max	-970.291	-82.381	0.
29	0.516	SLV_DX_D	Max	-967.314	-75.359	0.
29	0.	SLV_DX_D	Min	-973.268	-89.403	0.
29	0.258	SLV_DX_D	Min	-970.291	-82.381	0.
29	0.516	SLV_DX_D	Min	-967.314	-75.359	0.
29	0.	SLV_SX_D	Max	-1032.788	123.145	0.
29	0.258	SLV_SX_D	Max	-1035.25	129.964	0.
29	0.516	SLV_SX_D	Max	-1037.711	136.783	0.
29	0.	SLV_SX_D	Min	-1032.788	123.145	0.
29	0.258	SLV_SX_D	Min	-1035.25	129.964	0.
29	0.516	SLV_SX_D	Min	-1037.711	136.783	0.
29	0.	SLV_DX_U	Max	-914.663	-92.062	0.
29	0.258	SLV_DX_U	Max	-911.603	-87.243	0.
29	0.516	SLV_DX_U	Max	-908.544	-82.425	0.
29	0.	SLV_DX_U	Min	-914.663	-92.062	0.
29	0.258	SLV_DX_U	Min	-911.603	-87.243	0.
29	0.516	SLV_DX_U	Min	-908.544	-82.425	0.
29	0.	SLV_SX_U	Max	-974.036	102.525	0.
29	0.258	SLV_SX_U	Max	-976.415	107.14	0.
29	0.516	SLV_SX_U	Max	-978.795	111.755	0.
29	0.	SLV_SX_U	Min	-974.036	102.525	0.
29	0.258	SLV_SX_U	Min	-976.415	107.14	0.
29	0.516	SLV_SX_U	Min	-978.795	111.755	0.
30	0.	SLE	Max	-559.4	33.485	0.
30	0.258	SLE	Max	-560.049	39.252	0.
30	0.516	SLE	Max	-560.699	45.019	0.
30	0.	SLE	Min	-559.4	33.485	0.
30	0.258	SLE	Min	-560.049	39.252	0.
30	0.516	SLE	Min	-560.699	45.019	0.
30	0.	SLU	Max	-727.219	43.531	0.
30	0.258	SLU	Max	-728.064	51.028	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
30	0.516	SLU	Max	-728.909	58.525	0.
30	0.	SLU	Min	-727.219	43.531	0.
30	0.258	SLU	Min	-728.064	51.028	0.
30	0.516	SLU	Min	-728.909	58.525	0.
30	0.	SLV_DX_D	Max	-962.241	-104.153	0.
30	0.258	SLV_DX_D	Max	-957.752	-96.697	0.
30	0.516	SLV_DX_D	Max	-953.262	-89.242	0.
30	0.	SLV_DX_D	Min	-962.241	-104.153	0.
30	0.258	SLV_DX_D	Min	-957.752	-96.697	0.
30	0.516	SLV_DX_D	Min	-953.262	-89.242	0.
30	0.	SLV_SX_D	Max	-1048.295	102.165	0.
30	0.258	SLV_SX_D	Max	-1051.26	108.781	0.
30	0.516	SLV_SX_D	Max	-1054.224	115.396	0.
30	0.	SLV_SX_D	Min	-1048.295	102.165	0.
30	0.258	SLV_SX_D	Min	-1051.26	108.781	0.
30	0.516	SLV_SX_D	Min	-1054.224	115.396	0.
30	0.	SLV_DX_U	Max	-901.603	-119.711	0.
30	0.258	SLV_DX_U	Max	-896.867	-114.447	0.
30	0.516	SLV_DX_U	Max	-892.13	-109.182	0.
30	0.	SLV_DX_U	Min	-901.603	-119.711	0.
30	0.258	SLV_DX_U	Min	-896.867	-114.447	0.
30	0.516	SLV_DX_U	Min	-892.13	-109.182	0.
30	0.	SLV_SX_U	Max	-986.248	71.654	0.
30	0.258	SLV_SX_U	Max	-988.966	76.078	0.
30	0.516	SLV_SX_U	Max	-991.683	80.502	0.
30	0.	SLV_SX_U	Min	-986.248	71.654	0.
30	0.258	SLV_SX_U	Min	-988.966	76.078	0.
30	0.516	SLV_SX_U	Min	-991.683	80.502	0.
31	0.	SLE	Max	-566.044	38.795	0.
31	0.258	SLE	Max	-567.123	44.497	0.
31	0.516	SLE	Max	-568.202	50.199	0.
31	0.	SLE	Min	-566.044	38.795	0.
31	0.258	SLE	Min	-567.123	44.497	0.
31	0.516	SLE	Min	-568.202	50.199	0.
31	0.	SLU	Max	-735.857	50.433	0.
31	0.258	SLU	Max	-737.26	57.846	0.
31	0.516	SLU	Max	-738.662	65.259	0.
31	0.	SLU	Min	-735.857	50.433	0.
31	0.258	SLU	Min	-737.26	57.846	0.
31	0.516	SLU	Min	-738.662	65.259	0.
31	0.	SLV_DX_D	Max	-948.742	-117.73	0.
31	0.258	SLV_DX_D	Max	-942.816	-109.581	0.
31	0.516	SLV_DX_D	Max	-936.891	-101.431	0.
31	0.	SLV_DX_D	Min	-948.742	-117.73	0.
31	0.258	SLV_DX_D	Min	-942.816	-109.581	0.
31	0.516	SLV_DX_D	Min	-936.891	-101.431	0.
31	0.	SLV_SX_D	Max	-1064.727	79.538	0.
31	0.258	SLV_SX_D	Max	-1068.178	85.913	0.
31	0.516	SLV_SX_D	Max	-1071.628	92.289	0.
31	0.	SLV_SX_D	Min	-1064.727	79.538	0.
31	0.258	SLV_SX_D	Min	-1068.178	85.913	0.
31	0.516	SLV_SX_D	Min	-1071.628	92.289	0.
31	0.	SLV_DX_U	Max	-883.767	-146.325	0.
31	0.258	SLV_DX_U	Max	-877.431	-140.342	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
31	0.516	SLV_DX_U	Max	-871.095	-134.36	0.
31	0.	SLV_DX_U	Min	-883.767	-146.325	0.
31	0.258	SLV_DX_U	Min	-877.431	-140.342	0.
31	0.516	SLV_DX_U	Min	-871.095	-134.36	0.
31	0.	SLV_SX_U	Max	-997.376	40.197	0.
31	0.258	SLV_SX_U	Max	-1000.417	44.406	0.
31	0.516	SLV_SX_U	Max	-1003.457	48.614	0.
31	0.	SLV_SX_U	Min	-997.376	40.197	0.
31	0.258	SLV_SX_U	Min	-1000.417	44.406	0.
31	0.516	SLV_SX_U	Min	-1003.457	48.614	0.
32	0.	SLE	Max	-574.946	43.012	0.
32	0.258	SLE	Max	-576.448	48.617	0.
32	0.516	SLE	Max	-577.95	54.223	0.
32	0.	SLE	Min	-574.946	43.012	0.
32	0.258	SLE	Min	-576.448	48.617	0.
32	0.516	SLE	Min	-577.95	54.223	0.
32	0.	SLU	Max	-747.43	55.915	0.
32	0.258	SLU	Max	-749.383	63.203	0.
32	0.516	SLU	Max	-751.335	70.49	0.
32	0.	SLU	Min	-747.43	55.915	0.
32	0.258	SLU	Min	-749.383	63.203	0.
32	0.516	SLU	Min	-751.335	70.49	0.
32	0.	SLV_DX_D	Max	-933.014	-129.245	0.
32	0.258	SLV_DX_D	Max	-925.77	-120.155	0.
32	0.516	SLV_DX_D	Max	-918.525	-111.064	0.
32	0.	SLV_DX_D	Min	-933.014	-129.245	0.
32	0.258	SLV_DX_D	Min	-925.77	-120.155	0.
32	0.516	SLV_DX_D	Min	-918.525	-111.064	0.
32	0.	SLV_SX_D	Max	-1081.903	55.647	0.
32	0.258	SLV_SX_D	Max	-1085.82	61.747	0.
32	0.516	SLV_SX_D	Max	-1089.738	67.847	0.
32	0.	SLV_SX_D	Min	-1081.903	55.647	0.
32	0.258	SLV_SX_D	Min	-1085.82	61.747	0.
32	0.516	SLV_SX_D	Min	-1089.738	67.847	0.
32	0.	SLV_DX_U	Max	-861.46	-170.158	0.
32	0.258	SLV_DX_U	Max	-853.645	-163.197	0.
32	0.516	SLV_DX_U	Max	-845.83	-156.237	0.
32	0.	SLV_DX_U	Min	-861.46	-170.158	0.
32	0.258	SLV_DX_U	Min	-853.645	-163.197	0.
32	0.516	SLV_DX_U	Min	-845.83	-156.237	0.
32	0.	SLV_SX_U	Max	-1007.329	8.269	0.
32	0.258	SLV_SX_U	Max	-1010.676	12.239	0.
32	0.516	SLV_SX_U	Max	-1014.022	16.209	0.
32	0.	SLV_SX_U	Min	-1007.329	8.269	0.
32	0.258	SLV_SX_U	Min	-1010.676	12.239	0.
32	0.516	SLV_SX_U	Min	-1014.022	16.209	0.
33	0.	SLE	Max	-585.982	46.107	0.
33	0.258	SLE	Max	-587.899	51.585	0.
33	0.516	SLE	Max	-589.816	57.063	0.
33	0.	SLE	Min	-585.982	46.107	0.
33	0.258	SLE	Min	-587.899	51.585	0.
33	0.516	SLE	Min	-589.816	57.063	0.
33	0.	SLU	Max	-761.777	59.94	0.
33	0.258	SLU	Max	-764.269	67.06	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
33	0.516	SLU	Max	-766.76	74.181	0.
33	0.	SLU	Min	-761.777	59.94	0.
33	0.258	SLU	Min	-764.269	67.06	0.
33	0.516	SLU	Min	-766.76	74.181	0.
33	0.	SLV_DX_D	Max	-915.456	-137.869	0.
33	0.258	SLV_DX_D	Max	-907.05	-127.611	0.
33	0.516	SLV_DX_D	Max	-898.643	-117.353	0.
33	0.	SLV_DX_D	Min	-915.456	-137.869	0.
33	0.258	SLV_DX_D	Min	-907.05	-127.611	0.
33	0.516	SLV_DX_D	Min	-898.643	-117.353	0.
33	0.	SLV_SX_D	Max	-1099.647	30.484	0.
33	0.258	SLV_SX_D	Max	-1104.009	36.274	0.
33	0.516	SLV_SX_D	Max	-1108.372	42.064	0.
33	0.	SLV_SX_D	Min	-1099.647	30.484	0.
33	0.258	SLV_SX_D	Min	-1104.009	36.274	0.
33	0.516	SLV_SX_D	Min	-1108.372	42.064	0.
33	0.	SLV_DX_U	Max	-835.183	-190.072	0.
33	0.258	SLV_DX_U	Max	-826.048	-181.896	0.
33	0.516	SLV_DX_U	Max	-816.913	-173.719	0.
33	0.	SLV_DX_U	Min	-835.183	-190.072	0.
33	0.258	SLV_DX_U	Min	-826.048	-181.896	0.
33	0.516	SLV_DX_U	Min	-816.913	-173.719	0.
33	0.	SLV_SX_U	Max	-1016.025	-24.018	0.
33	0.258	SLV_SX_U	Max	-1019.659	-20.309	0.
33	0.516	SLV_SX_U	Max	-1023.293	-16.601	0.
33	0.	SLV_SX_U	Min	-1016.025	-24.018	0.
33	0.258	SLV_SX_U	Min	-1019.659	-20.309	0.
33	0.516	SLV_SX_U	Min	-1023.293	-16.601	0.
34	0.	SLE	Max	-599.024	48.047	0.
34	0.258	SLE	Max	-601.345	53.366	0.
34	0.516	SLE	Max	-603.665	58.685	0.
34	0.	SLE	Min	-599.024	48.047	0.
34	0.258	SLE	Min	-601.345	53.366	0.
34	0.516	SLE	Min	-603.665	58.685	0.
34	0.	SLU	Max	-778.731	62.461	0.
34	0.258	SLU	Max	-781.748	69.376	0.
34	0.516	SLU	Max	-784.765	76.291	0.
34	0.	SLU	Min	-778.731	62.461	0.
34	0.258	SLU	Min	-781.748	69.376	0.
34	0.516	SLU	Min	-784.765	76.291	0.
34	0.	SLV_DX_D	Max	-896.607	-142.874	0.
34	0.258	SLV_DX_D	Max	-887.229	-131.248	0.
34	0.516	SLV_DX_D	Max	-877.851	-119.622	0.
34	0.	SLV_DX_D	Min	-896.607	-142.874	0.
34	0.258	SLV_DX_D	Min	-887.229	-131.248	0.
34	0.516	SLV_DX_D	Min	-877.851	-119.622	0.
34	0.	SLV_SX_D	Max	-1117.783	4.016	0.
34	0.258	SLV_SX_D	Max	-1122.565	9.464	0.
34	0.516	SLV_SX_D	Max	-1127.348	14.912	0.
34	0.	SLV_SX_D	Min	-1117.783	4.016	0.
34	0.258	SLV_SX_D	Min	-1122.565	9.464	0.
34	0.516	SLV_SX_D	Min	-1127.348	14.912	0.
34	0.	SLV_DX_U	Max	-805.587	-205.138	0.
34	0.258	SLV_DX_U	Max	-795.327	-195.533	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
34	0.516	SLV_DX_U	Max	-785.067	-185.929	0.
34	0.	SLV_DX_U	Min	-805.587	-205.138	0.
34	0.258	SLV_DX_U	Min	-795.327	-195.533	0.
34	0.516	SLV_DX_U	Min	-785.067	-185.929	0.
34	0.	SLV_SX_U	Max	-1023.391	-56.565	0.
34	0.258	SLV_SX_U	Max	-1027.292	-53.138	0.
34	0.516	SLV_SX_U	Max	-1031.193	-49.712	0.
34	0.	SLV_SX_U	Min	-1023.391	-56.565	0.
34	0.258	SLV_SX_U	Min	-1027.292	-53.138	0.
34	0.516	SLV_SX_U	Min	-1031.193	-49.712	0.
35	0.	SLE	Max	-613.935	48.796	0.
35	0.258	SLE	Max	-616.647	53.927	0.
35	0.516	SLE	Max	-619.359	59.058	0.
35	0.	SLE	Min	-613.935	48.796	0.
35	0.258	SLE	Min	-616.647	53.927	0.
35	0.516	SLE	Min	-619.359	59.058	0.
35	0.	SLU	Max	-798.116	63.435	0.
35	0.258	SLU	Max	-801.641	70.105	0.
35	0.516	SLU	Max	-805.166	76.775	0.
35	0.	SLU	Min	-798.116	63.435	0.
35	0.258	SLU	Min	-801.641	70.105	0.
35	0.516	SLU	Min	-805.166	76.775	0.
35	0.	SLV_DX_D	Max	-877.122	-143.649	0.
35	0.258	SLV_DX_D	Max	-866.994	-130.485	0.
35	0.516	SLV_DX_D	Max	-856.867	-117.322	0.
35	0.	SLV_DX_D	Min	-877.122	-143.649	0.
35	0.258	SLV_DX_D	Min	-866.994	-130.485	0.
35	0.516	SLV_DX_D	Min	-856.867	-117.322	0.
35	0.	SLV_SX_D	Max	-1136.123	-23.794	0.
35	0.258	SLV_SX_D	Max	-1141.299	-18.718	0.
35	0.516	SLV_SX_D	Max	-1146.476	-13.643	0.
35	0.	SLV_SX_D	Min	-1136.123	-23.794	0.
35	0.258	SLV_SX_D	Min	-1141.299	-18.718	0.
35	0.516	SLV_SX_D	Min	-1146.476	-13.643	0.
35	0.	SLV_DX_U	Max	-773.458	-214.536	0.
35	0.258	SLV_DX_U	Max	-762.3	-203.322	0.
35	0.516	SLV_DX_U	Max	-751.142	-192.109	0.
35	0.	SLV_DX_U	Min	-773.458	-214.536	0.
35	0.258	SLV_DX_U	Min	-762.3	-203.322	0.
35	0.516	SLV_DX_U	Min	-751.142	-192.109	0.
35	0.	SLV_SX_U	Max	-1029.353	-89.267	0.
35	0.258	SLV_SX_U	Max	-1033.5	-86.141	0.
35	0.516	SLV_SX_U	Max	-1037.646	-83.016	0.
35	0.	SLV_SX_U	Min	-1029.353	-89.267	0.
35	0.258	SLV_SX_U	Min	-1033.5	-86.141	0.
35	0.516	SLV_SX_U	Min	-1037.646	-83.016	0.
36	0.	SLE	Max	-629.276	61.269	0.
36	0.23546	SLE	Max	-631.99	65.817	0.
36	0.47092	SLE	Max	-634.704	70.365	0.
36	0.	SLE	Min	-629.276	61.269	0.
36	0.23546	SLE	Min	-631.99	65.817	0.
36	0.47092	SLE	Min	-634.704	70.365	0.
36	0.	SLU	Max	-818.059	79.65	0.
36	0.23546	SLU	Max	-821.587	85.562	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
36	0.47092	SLU	Max	-825.115	91.475	0.
36	0.	SLU	Min	-818.059	79.65	0.
36	0.23546	SLU	Min	-821.587	85.562	0.
36	0.47092	SLU	Min	-825.115	91.475	0.
36	0.	SLV_DX_D	Max	-860.591	-121.711	0.
36	0.23546	SLV_DX_D	Max	-851.006	-108.652	0.
36	0.47092	SLV_DX_D	Max	-841.421	-95.593	0.
36	0.	SLV_DX_D	Min	-860.591	-121.711	0.
36	0.23546	SLV_DX_D	Min	-851.006	-108.652	0.
36	0.47092	SLV_DX_D	Min	-841.421	-95.593	0.
36	0.	SLV_SX_D	Max	-1155.299	-28.517	0.
36	0.23546	SLV_SX_D	Max	-1160.257	-24.136	0.
36	0.47092	SLV_SX_D	Max	-1165.214	-19.755	0.
36	0.	SLV_SX_D	Min	-1155.299	-28.517	0.
36	0.23546	SLV_SX_D	Min	-1160.257	-24.136	0.
36	0.47092	SLV_SX_D	Min	-1165.214	-19.755	0.
36	0.	SLV_DX_U	Max	-744.623	-201.838	0.
36	0.23546	SLV_DX_U	Max	-734.007	-190.507	0.
36	0.47092	SLV_DX_U	Max	-723.39	-179.177	0.
36	0.	SLV_DX_U	Min	-744.623	-201.838	0.
36	0.23546	SLV_DX_U	Min	-734.007	-190.507	0.
36	0.47092	SLV_DX_U	Min	-723.39	-179.177	0.
36	0.	SLV_SX_U	Max	-1036.594	-99.997	0.
36	0.23546	SLV_SX_U	Max	-1040.52	-97.345	0.
36	0.47092	SLV_SX_U	Max	-1044.447	-94.692	0.
36	0.	SLV_SX_U	Min	-1036.594	-99.997	0.
36	0.23546	SLV_SX_U	Min	-1040.52	-97.345	0.
36	0.47092	SLV_SX_U	Min	-1044.447	-94.692	0.
37	0.	SLE	Max	-643.974	85.674	0.
37	0.23546	SLE	Max	-646.881	90.242	0.
37	0.47092	SLE	Max	-649.788	94.809	0.
37	0.	SLE	Min	-643.974	85.674	0.
37	0.23546	SLE	Min	-646.881	90.242	0.
37	0.47092	SLE	Min	-649.788	94.809	0.
37	0.	SLU	Max	-837.167	111.377	0.
37	0.23546	SLU	Max	-840.946	117.314	0.
37	0.47092	SLU	Max	-844.725	123.252	0.
37	0.	SLU	Min	-837.167	111.377	0.
37	0.23546	SLU	Min	-840.946	117.314	0.
37	0.47092	SLU	Min	-844.725	123.252	0.
37	0.	SLV_DX_D	Max	-849.131	-80.974	0.
37	0.23546	SLV_DX_D	Max	-839.442	-67.171	0.
37	0.47092	SLV_DX_D	Max	-829.754	-53.367	0.
37	0.	SLV_DX_D	Min	-849.131	-80.974	0.
37	0.23546	SLV_DX_D	Min	-839.442	-67.171	0.
37	0.47092	SLV_DX_D	Min	-829.754	-53.367	0.
37	0.	SLV_SX_D	Max	-1175.039	-9.838	0.
37	0.23546	SLV_SX_D	Max	-1180.234	-5.508	0.
37	0.47092	SLV_SX_D	Max	-1185.429	-1.177	0.
37	0.	SLV_SX_D	Min	-1175.039	-9.838	0.
37	0.23546	SLV_SX_D	Min	-1180.234	-5.508	0.
37	0.47092	SLV_SX_D	Min	-1185.429	-1.177	0.
37	0.	SLV_DX_U	Max	-722.134	-171.507	0.
37	0.23546	SLV_DX_U	Max	-711.341	-159.44	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
37	0.47092	SLV_DX_U	Max	-700.547	-147.372	0.
37	0.	SLV_DX_U	Min	-722.134	-171.507	0.
37	0.23546	SLV_DX_U	Min	-711.341	-159.44	0.
37	0.47092	SLV_DX_U	Min	-700.547	-147.372	0.
37	0.	SLV_SX_U	Max	-1045.594	-88.939	0.
37	0.23546	SLV_SX_U	Max	-1049.684	-86.344	0.
37	0.47092	SLV_SX_U	Max	-1053.775	-83.749	0.
37	0.	SLV_SX_U	Min	-1045.594	-88.939	0.
37	0.23546	SLV_SX_U	Min	-1049.684	-86.344	0.
37	0.47092	SLV_SX_U	Min	-1053.775	-83.749	0.
38	0.	SLE	Max	-660.255	110.613	0.
38	0.23546	SLE	Max	-663.424	115.29	0.
38	0.47092	SLE	Max	-666.594	119.966	0.
38	0.	SLE	Min	-660.255	110.613	0.
38	0.23546	SLE	Min	-663.424	115.29	0.
38	0.47092	SLE	Min	-666.594	119.966	0.
38	0.	SLU	Max	-858.331	143.797	0.
38	0.23546	SLU	Max	-862.451	149.877	0.
38	0.47092	SLU	Max	-866.572	155.956	0.
38	0.	SLU	Min	-858.331	143.797	0.
38	0.23546	SLU	Min	-862.451	149.877	0.
38	0.47092	SLU	Min	-866.572	155.956	0.
38	0.	SLV_DX_D	Max	-839.407	-37.477	0.
38	0.23546	SLV_DX_D	Max	-829.701	-22.778	0.
38	0.47092	SLV_DX_D	Max	-819.995	-8.079	0.
38	0.	SLV_DX_D	Min	-839.407	-37.477	0.
38	0.23546	SLV_DX_D	Min	-829.701	-22.778	0.
38	0.47092	SLV_DX_D	Min	-819.995	-8.079	0.
38	0.	SLV_SX_D	Max	-1196.503	9.141	0.
38	0.23546	SLV_SX_D	Max	-1202.052	13.502	0.
38	0.47092	SLV_SX_D	Max	-1207.601	17.862	0.
38	0.	SLV_SX_D	Min	-1196.503	9.141	0.
38	0.23546	SLV_SX_D	Min	-1202.052	13.502	0.
38	0.47092	SLV_SX_D	Min	-1207.601	17.862	0.
38	0.	SLV_DX_U	Max	-700.492	-138.132	0.
38	0.23546	SLV_DX_U	Max	-689.582	-125.211	0.
38	0.47092	SLV_DX_U	Max	-678.671	-112.289	0.
38	0.	SLV_DX_U	Min	-700.492	-138.132	0.
38	0.23546	SLV_DX_U	Min	-689.582	-125.211	0.
38	0.47092	SLV_DX_U	Min	-678.671	-112.289	0.
38	0.	SLV_SX_U	Max	-1055.506	-77.533	0.
38	0.23546	SLV_SX_U	Max	-1059.85	-74.949	0.
38	0.47092	SLV_SX_U	Max	-1064.195	-72.366	0.
38	0.	SLV_SX_U	Min	-1055.506	-77.533	0.
38	0.23546	SLV_SX_U	Min	-1059.85	-74.949	0.
38	0.47092	SLV_SX_U	Min	-1064.195	-72.366	0.
39	0.	SLE	Max	-678.288	136.263	0.
39	0.23546	SLE	Max	-681.9	141.276	0.
39	0.47092	SLE	Max	-685.512	146.289	0.
39	0.	SLE	Min	-678.288	136.263	0.
39	0.23546	SLE	Min	-681.9	141.276	0.
39	0.47092	SLE	Min	-685.512	146.289	0.
39	0.	SLU	Max	-881.774	177.142	0.
39	0.23546	SLU	Max	-886.47	183.659	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
39	0.47092	SLU	Max	-891.166	190.176	0.
39	0.	SLU	Min	-881.774	177.142	0.
39	0.23546	SLU	Min	-886.47	183.659	0.
39	0.47092	SLU	Min	-891.166	190.176	0.
39	0.	SLV_DX_D	Max	-831.695	9.067	0.
39	0.23546	SLV_DX_D	Max	-822.139	25.016	0.
39	0.47092	SLV_DX_D	Max	-812.583	40.965	0.
39	0.	SLV_DX_D	Min	-831.695	9.067	0.
39	0.23546	SLV_DX_D	Min	-822.139	25.016	0.
39	0.47092	SLV_DX_D	Min	-812.583	40.965	0.
39	0.	SLV_SX_D	Max	-1219.952	28.509	0.
39	0.23546	SLV_SX_D	Max	-1226.156	33.102	0.
39	0.47092	SLV_SX_D	Max	-1232.359	37.695	0.
39	0.	SLV_SX_D	Min	-1219.952	28.509	0.
39	0.23546	SLV_SX_D	Min	-1226.156	33.102	0.
39	0.47092	SLV_SX_D	Min	-1232.359	37.695	0.
39	0.	SLV_DX_U	Max	-679.917	-101.455	0.
39	0.23546	SLV_DX_U	Max	-668.988	-87.411	0.
39	0.47092	SLV_DX_U	Max	-658.06	-73.367	0.
39	0.	SLV_DX_U	Min	-679.917	-101.455	0.
39	0.23546	SLV_DX_U	Min	-668.988	-87.411	0.
39	0.47092	SLV_DX_U	Min	-658.06	-73.367	0.
39	0.	SLV_SX_U	Max	-1066.529	-65.716	0.
39	0.23546	SLV_SX_U	Max	-1071.359	-63.028	0.
39	0.47092	SLV_SX_U	Max	-1076.19	-60.34	0.
39	0.	SLV_SX_U	Min	-1066.529	-65.716	0.
39	0.23546	SLV_SX_U	Min	-1071.359	-63.028	0.
39	0.47092	SLV_SX_U	Min	-1076.19	-60.34	0.
40	0.	SLE	Max	-698.475	163.062	0.
40	0.23546	SLE	Max	-702.659	168.53	0.
40	0.47092	SLE	Max	-706.844	173.998	0.
40	0.	SLE	Min	-698.475	163.062	0.
40	0.23546	SLE	Min	-702.659	168.53	0.
40	0.47092	SLE	Min	-706.844	173.998	0.
40	0.	SLU	Max	-908.018	211.98	0.
40	0.23546	SLU	Max	-913.457	219.089	0.
40	0.47092	SLU	Max	-918.897	226.197	0.
40	0.	SLU	Min	-908.018	211.98	0.
40	0.23546	SLU	Min	-913.457	219.089	0.
40	0.47092	SLU	Min	-918.897	226.197	0.
40	0.	SLV_DX_D	Max	-826.448	59.335	0.
40	0.23546	SLV_DX_D	Max	-817.19	76.736	0.
40	0.47092	SLV_DX_D	Max	-807.932	94.138	0.
40	0.	SLV_DX_D	Min	-826.448	59.335	0.
40	0.23546	SLV_DX_D	Min	-817.19	76.736	0.
40	0.47092	SLV_DX_D	Min	-807.932	94.138	0.
40	0.	SLV_SX_D	Max	-1246.021	48.585	0.
40	0.23546	SLV_SX_D	Max	-1253.078	53.502	0.
40	0.47092	SLV_SX_D	Max	-1260.135	58.418	0.
40	0.	SLV_SX_D	Min	-1246.021	48.585	0.
40	0.23546	SLV_SX_D	Min	-1253.078	53.502	0.
40	0.47092	SLV_SX_D	Min	-1260.135	58.418	0.
40	0.	SLV_DX_U	Max	-660.722	-60.922	0.
40	0.23546	SLV_DX_U	Max	-649.874	-45.598	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
40	0.47092	SLV_DX_U	Max	-639.026	-30.275	0.
40	0.	SLV_DX_U	Min	-660.722	-60.922	0.
40	0.23546	SLV_DX_U	Min	-649.874	-45.598	0.
40	0.47092	SLV_DX_U	Min	-639.026	-30.275	0.
40	0.	SLV_SX_U	Max	-1079.149	-53.29	0.
40	0.23546	SLV_SX_U	Max	-1084.616	-50.451	0.
40	0.47092	SLV_SX_U	Max	-1090.083	-47.612	0.
40	0.	SLV_SX_U	Min	-1079.149	-53.29	0.
40	0.23546	SLV_SX_U	Min	-1084.616	-50.451	0.
40	0.47092	SLV_SX_U	Min	-1090.083	-47.612	0.
41	0.	SLE	Max	-721.121	191.21	0.
41	0.23546	SLE	Max	-726.017	197.241	0.
41	0.47092	SLE	Max	-730.913	203.271	0.
41	0.	SLE	Min	-721.121	191.21	0.
41	0.23546	SLE	Min	-726.017	197.241	0.
41	0.47092	SLE	Min	-730.913	203.271	0.
41	0.	SLU	Max	-937.457	248.573	0.
41	0.23546	SLU	Max	-943.822	256.413	0.
41	0.47092	SLU	Max	-950.187	264.252	0.
41	0.	SLU	Min	-937.457	248.573	0.
41	0.23546	SLU	Min	-943.822	256.413	0.
41	0.47092	SLU	Min	-950.187	264.252	0.
41	0.	SLV_DX_D	Max	-824.089	113.673	0.
41	0.23546	SLV_DX_D	Max	-815.296	132.72	0.
41	0.47092	SLV_DX_D	Max	-806.502	151.767	0.
41	0.	SLV_DX_D	Min	-824.089	113.673	0.
41	0.23546	SLV_DX_D	Min	-815.296	132.72	0.
41	0.47092	SLV_DX_D	Min	-806.502	151.767	0.
41	0.	SLV_SX_D	Max	-1275.139	69.447	0.
41	0.23546	SLV_SX_D	Max	-1283.257	74.762	0.
41	0.47092	SLV_SX_D	Max	-1291.375	80.078	0.
41	0.	SLV_SX_D	Min	-1275.139	69.447	0.
41	0.23546	SLV_SX_D	Min	-1283.257	74.762	0.
41	0.47092	SLV_SX_D	Min	-1291.375	80.078	0.
41	0.	SLV_DX_U	Max	-643.227	-16.222	0.
41	0.23546	SLV_DX_U	Max	-632.573	0.534	0.
41	0.47092	SLV_DX_U	Max	-621.919	17.289	0.
41	0.	SLV_DX_U	Min	-643.227	-16.222	0.
41	0.23546	SLV_DX_U	Min	-632.573	0.534	0.
41	0.47092	SLV_DX_U	Min	-621.919	17.289	0.
41	0.	SLV_SX_U	Max	-1093.687	-40.202	0.
41	0.23546	SLV_SX_U	Max	-1099.945	-37.178	0.
41	0.47092	SLV_SX_U	Max	-1106.202	-34.154	0.
41	0.	SLV_SX_U	Min	-1093.687	-40.202	0.
41	0.23546	SLV_SX_U	Min	-1099.945	-37.178	0.
41	0.47092	SLV_SX_U	Min	-1106.202	-34.154	0.
42	0.	SLE	Max	-746.547	220.888	0.
42	0.23546	SLE	Max	-752.307	227.578	0.
42	0.47092	SLE	Max	-758.066	234.268	0.
42	0.	SLE	Min	-746.547	220.888	0.
42	0.23546	SLE	Min	-752.307	227.578	0.
42	0.47092	SLE	Min	-758.066	234.268	0.
42	0.	SLU	Max	-970.512	287.155	0.
42	0.23546	SLU	Max	-977.999	295.852	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
42	0.47092	SLU	Max	-985.485	304.548	0.
42	0.	SLU	Min	-970.512	287.155	0.
42	0.23546	SLU	Min	-977.999	295.852	0.
42	0.47092	SLU	Min	-985.485	304.548	0.
42	0.	SLV_DX_D	Max	-825.077	172.406	0.
42	0.23546	SLV_DX_D	Max	-816.932	193.279	0.
42	0.47092	SLV_DX_D	Max	-808.786	214.152	0.
42	0.	SLV_DX_D	Min	-825.077	172.406	0.
42	0.23546	SLV_DX_D	Min	-816.932	193.279	0.
42	0.47092	SLV_DX_D	Min	-808.786	214.152	0.
42	0.	SLV_SX_D	Max	-1307.747	91.155	0.
42	0.23546	SLV_SX_D	Max	-1317.142	96.927	0.
42	0.47092	SLV_SX_D	Max	-1326.538	102.699	0.
42	0.	SLV_SX_D	Min	-1307.747	91.155	0.
42	0.23546	SLV_SX_D	Min	-1317.142	96.927	0.
42	0.47092	SLV_SX_D	Min	-1326.538	102.699	0.
42	0.	SLV_DX_U	Max	-627.788	32.947	0.
42	0.23546	SLV_DX_U	Max	-617.454	51.279	0.
42	0.47092	SLV_DX_U	Max	-607.119	69.61	0.
42	0.	SLV_DX_U	Min	-627.788	32.947	0.
42	0.23546	SLV_DX_U	Min	-617.454	51.279	0.
42	0.47092	SLV_DX_U	Min	-607.119	69.61	0.
42	0.	SLV_SX_U	Max	-1110.475	-26.408	0.
42	0.23546	SLV_SX_U	Max	-1117.682	-23.178	0.
42	0.47092	SLV_SX_U	Max	-1124.889	-19.948	0.
42	0.	SLV_SX_U	Min	-1110.475	-26.408	0.
42	0.23546	SLV_SX_U	Min	-1117.682	-23.178	0.
42	0.47092	SLV_SX_U	Min	-1124.889	-19.948	0.
43	0.	SLE	Max	-775.106	252.222	0.
43	0.23546	SLE	Max	-781.928	259.699	0.
43	0.47092	SLE	Max	-788.75	267.177	0.
43	0.	SLE	Min	-775.106	252.222	0.
43	0.23546	SLE	Min	-781.928	259.699	0.
43	0.47092	SLE	Min	-788.75	267.177	0.
43	0.	SLU	Max	-1007.638	327.888	0.
43	0.23546	SLU	Max	-1016.507	337.609	0.
43	0.47092	SLU	Max	-1025.375	347.33	0.
43	0.	SLU	Min	-1007.638	327.888	0.
43	0.23546	SLU	Min	-1016.507	337.609	0.
43	0.47092	SLU	Min	-1025.375	347.33	0.
43	0.	SLV_DX_D	Max	-829.915	235.794	0.
43	0.23546	SLV_DX_D	Max	-822.647	258.729	0.
43	0.47092	SLV_DX_D	Max	-815.379	281.664	0.
43	0.	SLV_DX_D	Min	-829.915	235.794	0.
43	0.23546	SLV_DX_D	Min	-822.647	258.729	0.
43	0.47092	SLV_DX_D	Min	-815.379	281.664	0.
43	0.	SLV_SX_D	Max	-1344.301	113.689	0.
43	0.23546	SLV_SX_D	Max	-1355.261	119.995	0.
43	0.47092	SLV_SX_D	Max	-1366.22	126.301	0.
43	0.	SLV_SX_D	Min	-1344.301	113.689	0.
43	0.23546	SLV_SX_D	Min	-1355.261	119.995	0.
43	0.47092	SLV_SX_D	Min	-1366.22	126.301	0.
43	0.	SLV_DX_U	Max	-614.792	86.841	0.
43	0.23546	SLV_DX_U	Max	-604.932	106.934	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
43	0.47092	SLV_DX_U	Max	-595.072	127.028	0.
43	0.	SLV_DX_U	Min	-614.792	86.841	0.
43	0.23546	SLV_DX_U	Min	-604.932	106.934	0.
43	0.47092	SLV_DX_U	Min	-595.072	127.028	0.
43	0.	SLV_SX_U	Max	-1129.848	-11.926	0.
43	0.23546	SLV_SX_U	Max	-1138.215	-8.462	0.
43	0.47092	SLV_SX_U	Max	-1146.583	-4.997	0.
43	0.	SLV_SX_U	Min	-1129.848	-11.926	0.
43	0.23546	SLV_SX_U	Min	-1138.215	-8.462	0.
43	0.47092	SLV_SX_U	Min	-1146.583	-4.997	0.
44	0.	SLE	Max	-814.121	-194.581	0.
44	0.23546	SLE	Max	-824.007	-192.412	0.
44	0.47092	SLE	Max	-833.894	-190.243	0.
44	0.	SLE	Min	-814.121	-194.581	0.
44	0.23546	SLE	Min	-824.007	-192.412	0.
44	0.47092	SLE	Min	-833.894	-190.243	0.
44	0.	SLU	Max	-1058.357	-252.955	0.
44	0.23546	SLU	Max	-1071.21	-250.135	0.
44	0.47092	SLU	Max	-1084.062	-247.315	0.
44	0.	SLU	Min	-1058.357	-252.955	0.
44	0.23546	SLU	Min	-1071.21	-250.135	0.
44	0.47092	SLU	Min	-1084.062	-247.315	0.
44	0.	SLV_DX_D	Max	-851.535	-209.679	0.
44	0.23546	SLV_DX_D	Max	-857.202	-179.303	0.
44	0.47092	SLV_DX_D	Max	-862.869	-148.928	0.
44	0.	SLV_DX_D	Min	-851.535	-209.679	0.
44	0.23546	SLV_DX_D	Min	-857.202	-179.303	0.
44	0.47092	SLV_DX_D	Min	-862.869	-148.928	0.
44	0.	SLV_SX_D	Max	-1197.739	-584.03	0.
44	0.23546	SLV_SX_D	Max	-1210.328	-585.206	0.
44	0.47092	SLV_SX_D	Max	-1222.918	-586.381	0.
44	0.	SLV_SX_D	Min	-1197.739	-584.03	0.
44	0.23546	SLV_SX_D	Min	-1210.328	-585.206	0.
44	0.47092	SLV_SX_D	Min	-1222.918	-586.381	0.
44	0.	SLV_DX_U	Max	-573.272	-210.804	0.
44	0.23546	SLV_DX_U	Max	-575.182	-181.253	0.
44	0.47092	SLV_DX_U	Max	-577.092	-151.702	0.
44	0.	SLV_DX_U	Min	-573.272	-210.804	0.
44	0.23546	SLV_DX_U	Min	-575.182	-181.253	0.
44	0.47092	SLV_DX_U	Min	-577.092	-151.702	0.
44	0.	SLV_SX_U	Max	-933.603	-564.784	0.
44	0.23546	SLV_SX_U	Max	-942.436	-566.784	0.
44	0.47092	SLV_SX_U	Max	-951.268	-568.784	0.
44	0.	SLV_SX_U	Min	-933.603	-564.784	0.
44	0.23546	SLV_SX_U	Min	-942.436	-566.784	0.
44	0.47092	SLV_SX_U	Min	-951.268	-568.784	0.
45	0.	SLE	Max	-831.194	-171.677	0.
45	0.23546	SLE	Max	-839.866	-170.034	0.
45	0.47092	SLE	Max	-848.539	-168.391	0.
45	0.	SLE	Min	-831.194	-171.677	0.
45	0.23546	SLE	Min	-839.866	-170.034	0.
45	0.47092	SLE	Min	-848.539	-168.391	0.
45	0.	SLU	Max	-1080.552	-223.179	0.
45	0.23546	SLU	Max	-1091.826	-221.044	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
45	0.47092	SLU	Max	-1103.101	-218.908	0.
45	0.	SLU	Min	-1080.552	-223.179	0.
45	0.23546	SLU	Min	-1091.826	-221.044	0.
45	0.47092	SLU	Min	-1103.101	-218.908	0.
45	0.	SLV_DX_D	Max	-868.483	-157.686	0.
45	0.23546	SLV_DX_D	Max	-873.573	-128.114	0.
45	0.47092	SLV_DX_D	Max	-878.663	-98.542	0.
45	0.	SLV_DX_D	Min	-868.483	-157.686	0.
45	0.23546	SLV_DX_D	Min	-873.573	-128.114	0.
45	0.47092	SLV_DX_D	Min	-878.663	-98.542	0.
45	0.	SLV_SX_D	Max	-1190.889	-473.876	0.
45	0.23546	SLV_SX_D	Max	-1201.834	-475.217	0.
45	0.47092	SLV_SX_D	Max	-1212.779	-476.558	0.
45	0.	SLV_SX_D	Min	-1190.889	-473.876	0.
45	0.23546	SLV_SX_D	Min	-1201.834	-475.217	0.
45	0.47092	SLV_SX_D	Min	-1212.779	-476.558	0.
45	0.	SLV_DX_U	Max	-578.644	-152.997	0.
45	0.23546	SLV_DX_U	Max	-580.438	-124.049	0.
45	0.47092	SLV_DX_U	Max	-582.233	-95.101	0.
45	0.	SLV_DX_U	Min	-578.644	-152.997	0.
45	0.23546	SLV_DX_U	Min	-580.438	-124.049	0.
45	0.47092	SLV_DX_U	Min	-582.233	-95.101	0.
45	0.	SLV_SX_U	Max	-915.736	-449.113	0.
45	0.23546	SLV_SX_U	Max	-923.386	-451.078	0.
45	0.47092	SLV_SX_U	Max	-931.035	-453.043	0.
45	0.	SLV_SX_U	Min	-915.736	-449.113	0.
45	0.23546	SLV_SX_U	Min	-923.386	-451.078	0.
45	0.47092	SLV_SX_U	Min	-931.035	-453.043	0.
46	0.	SLE	Max	-846.357	-147.755	0.
46	0.23546	SLE	Max	-854.028	-146.53	0.
46	0.47092	SLE	Max	-861.698	-145.304	0.
46	0.	SLE	Min	-846.357	-147.755	0.
46	0.23546	SLE	Min	-854.028	-146.53	0.
46	0.47092	SLE	Min	-861.698	-145.304	0.
46	0.	SLU	Max	-1100.264	-192.081	0.
46	0.23546	SLU	Max	-1110.236	-190.488	0.
46	0.47092	SLU	Max	-1120.208	-188.896	0.
46	0.	SLU	Min	-1100.264	-192.081	0.
46	0.23546	SLU	Min	-1110.236	-190.488	0.
46	0.47092	SLU	Min	-1120.208	-188.896	0.
46	0.	SLV_DX_D	Max	-884.904	-106.884	0.
46	0.23546	SLV_DX_D	Max	-889.642	-77.944	0.
46	0.47092	SLV_DX_D	Max	-894.381	-49.003	0.
46	0.	SLV_DX_D	Min	-884.904	-106.884	0.
46	0.23546	SLV_DX_D	Min	-889.642	-77.944	0.
46	0.47092	SLV_DX_D	Min	-894.381	-49.003	0.
46	0.	SLV_SX_D	Max	-1188.047	-369.466	0.
46	0.23546	SLV_SX_D	Max	-1197.641	-370.923	0.
46	0.47092	SLV_SX_D	Max	-1207.235	-372.38	0.
46	0.	SLV_SX_D	Min	-1188.047	-369.466	0.
46	0.23546	SLV_SX_D	Min	-1197.641	-370.923	0.
46	0.47092	SLV_SX_D	Min	-1207.235	-372.38	0.
46	0.	SLV_DX_U	Max	-584.912	-95.505	0.
46	0.23546	SLV_DX_U	Max	-586.736	-67.03	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
46	0.47092	SLV_DX_U	Max	-588.56	-38.555	0.
46	0.	SLV_DX_U	Min	-584.912	-95.505	0.
46	0.23546	SLV_DX_U	Min	-586.736	-67.03	0.
46	0.47092	SLV_DX_U	Min	-588.56	-38.555	0.
46	0.	SLV_SX_U	Max	-903.632	-340.437	0.
46	0.23546	SLV_SX_U	Max	-910.311	-342.359	0.
46	0.47092	SLV_SX_U	Max	-916.99	-344.282	0.
46	0.	SLV_SX_U	Min	-903.632	-340.437	0.
46	0.23546	SLV_SX_U	Min	-910.311	-342.359	0.
46	0.47092	SLV_SX_U	Min	-916.99	-344.282	0.
47	0.	SLE	Max	-860.035	-122.804	0.
47	0.23546	SLE	Max	-866.863	-121.914	0.
47	0.47092	SLE	Max	-873.69	-121.024	0.
47	0.	SLE	Min	-860.035	-122.804	0.
47	0.23546	SLE	Min	-866.863	-121.914	0.
47	0.47092	SLE	Min	-873.69	-121.024	0.
47	0.	SLU	Max	-1118.046	-159.645	0.
47	0.23546	SLU	Max	-1126.922	-158.488	0.
47	0.47092	SLU	Max	-1135.797	-157.332	0.
47	0.	SLU	Min	-1118.046	-159.645	0.
47	0.23546	SLU	Min	-1126.922	-158.488	0.
47	0.47092	SLU	Min	-1135.797	-157.332	0.
47	0.	SLV_DX_D	Max	-901.026	-56.891	0.
47	0.23546	SLV_DX_D	Max	-905.584	-28.464	0.
47	0.47092	SLV_DX_D	Max	-910.143	-0.037	0.
47	0.	SLV_DX_D	Min	-901.026	-56.891	0.
47	0.23546	SLV_DX_D	Min	-905.584	-28.464	0.
47	0.47092	SLV_DX_D	Min	-910.143	-0.037	0.
47	0.	SLV_SX_D	Max	-1189.043	-271.001	0.
47	0.23546	SLV_SX_D	Max	-1197.506	-272.537	0.
47	0.47092	SLV_SX_D	Max	-1205.969	-274.073	0.
47	0.	SLV_SX_D	Min	-1189.043	-271.001	0.
47	0.23546	SLV_SX_D	Min	-1197.506	-272.537	0.
47	0.47092	SLV_SX_D	Min	-1205.969	-274.073	0.
47	0.	SLV_DX_U	Max	-592.255	-38.073	0.
47	0.23546	SLV_DX_U	Max	-594.219	-9.984	0.
47	0.47092	SLV_DX_U	Max	-596.183	18.105	0.
47	0.	SLV_DX_U	Min	-592.255	-38.073	0.
47	0.23546	SLV_DX_U	Min	-594.219	-9.984	0.
47	0.47092	SLV_DX_U	Min	-596.183	18.105	0.
47	0.	SLV_SX_U	Max	-896.859	-238.892	0.
47	0.23546	SLV_SX_U	Max	-902.727	-240.766	0.
47	0.47092	SLV_SX_U	Max	-908.596	-242.64	0.
47	0.	SLV_SX_U	Min	-896.859	-238.892	0.
47	0.23546	SLV_SX_U	Min	-902.727	-240.766	0.
47	0.47092	SLV_SX_U	Min	-908.596	-242.64	0.
48	0.	SLE	Max	-872.527	-96.924	0.
48	0.23546	SLE	Max	-878.675	-96.302	0.
48	0.47092	SLE	Max	-884.823	-95.681	0.
48	0.	SLE	Min	-872.527	-96.924	0.
48	0.23546	SLE	Min	-878.675	-96.302	0.
48	0.47092	SLE	Min	-884.823	-95.681	0.
48	0.	SLU	Max	-1134.285	-126.001	0.
48	0.23546	SLU	Max	-1142.277	-125.193	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
48	0.47092	SLU	Max	-1150.269	-124.385	0.
48	0.	SLU	Min	-1134.285	-126.001	0.
48	0.23546	SLU	Min	-1142.277	-125.193	0.
48	0.47092	SLU	Min	-1150.269	-124.385	0.
48	0.	SLV_DX_D	Max	-916.976	-7.417	0.
48	0.23546	SLV_DX_D	Max	-921.533	20.598	0.
48	0.47092	SLV_DX_D	Max	-926.091	48.613	0.
48	0.	SLV_DX_D	Min	-916.976	-7.417	0.
48	0.23546	SLV_DX_D	Min	-921.533	20.598	0.
48	0.47092	SLV_DX_D	Min	-926.091	48.613	0.
48	0.	SLV_SX_D	Max	-1193.525	-178.486	0.
48	0.23546	SLV_SX_D	Max	-1201.077	-180.082	0.
48	0.47092	SLV_SX_D	Max	-1208.629	-181.679	0.
48	0.	SLV_SX_D	Min	-1193.525	-178.486	0.
48	0.23546	SLV_SX_D	Min	-1201.077	-180.082	0.
48	0.47092	SLV_SX_D	Min	-1208.629	-181.679	0.
48	0.	SLV_DX_U	Max	-600.786	19.473	0.
48	0.23546	SLV_DX_U	Max	-603.008	47.252	0.
48	0.47092	SLV_DX_U	Max	-605.229	75.031	0.
48	0.	SLV_DX_U	Min	-600.786	19.473	0.
48	0.23546	SLV_DX_U	Min	-603.008	47.252	0.
48	0.47092	SLV_DX_U	Min	-605.229	75.031	0.
48	0.	SLV_SX_U	Max	-894.857	-144.303	0.
48	0.23546	SLV_SX_U	Max	-900.072	-146.135	0.
48	0.47092	SLV_SX_U	Max	-905.288	-147.968	0.
48	0.	SLV_SX_U	Min	-894.857	-144.303	0.
48	0.23546	SLV_SX_U	Min	-900.072	-146.135	0.
48	0.47092	SLV_SX_U	Min	-905.288	-147.968	0.
49	0.	SLE	Max	-884.11	-70.303	0.
49	0.23546	SLE	Max	-889.745	-69.897	0.
49	0.47092	SLE	Max	-895.379	-69.491	0.
49	0.	SLE	Min	-884.11	-70.303	0.
49	0.23546	SLE	Min	-889.745	-69.897	0.
49	0.47092	SLE	Min	-895.379	-69.491	0.
49	0.	SLU	Max	-1149.343	-91.394	0.
49	0.23546	SLU	Max	-1156.668	-90.866	0.
49	0.47092	SLU	Max	-1163.993	-90.338	0.
49	0.	SLU	Min	-1149.343	-91.394	0.
49	0.23546	SLU	Min	-1156.668	-90.866	0.
49	0.47092	SLU	Min	-1163.993	-90.338	0.
49	0.	SLV_DX_D	Max	-932.901	41.803	0.
49	0.23546	SLV_DX_D	Max	-937.644	69.491	0.
49	0.47092	SLV_DX_D	Max	-942.388	97.18	0.
49	0.	SLV_DX_D	Min	-932.901	41.803	0.
49	0.23546	SLV_DX_D	Min	-937.644	69.491	0.
49	0.47092	SLV_DX_D	Min	-942.388	97.18	0.
49	0.	SLV_SX_D	Max	-1201.129	-91.669	0.
49	0.23546	SLV_SX_D	Max	-1207.989	-93.326	0.
49	0.47092	SLV_SX_D	Max	-1214.849	-94.984	0.
49	0.	SLV_SX_D	Min	-1201.129	-91.669	0.
49	0.23546	SLV_SX_D	Min	-1207.989	-93.326	0.
49	0.47092	SLV_SX_D	Min	-1214.849	-94.984	0.
49	0.	SLV_DX_U	Max	-610.636	77.29	0.
49	0.23546	SLV_DX_U	Max	-613.238	104.824	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
49	0.47092	SLV_DX_U	Max	-615.841	132.359	0.
49	0.	SLV_DX_U	Min	-610.636	77.29	0.
49	0.23546	SLV_DX_U	Min	-613.238	104.824	0.
49	0.47092	SLV_DX_U	Min	-615.841	132.359	0.
49	0.	SLV_SX_U	Max	-897.072	-56.11	0.
49	0.23546	SLV_SX_U	Max	-901.791	-57.922	0.
49	0.47092	SLV_SX_U	Max	-906.509	-59.734	0.
49	0.	SLV_SX_U	Min	-897.072	-56.11	0.
49	0.23546	SLV_SX_U	Min	-901.791	-57.922	0.
49	0.47092	SLV_SX_U	Min	-906.509	-59.734	0.
50	0.	SLE	Max	-895.03	-43.201	0.
50	0.23546	SLE	Max	-900.439	-42.967	0.
50	0.47092	SLE	Max	-905.848	-42.733	0.
50	0.	SLE	Min	-895.03	-43.201	0.
50	0.23546	SLE	Min	-900.439	-42.967	0.
50	0.47092	SLE	Min	-905.848	-42.733	0.
50	0.	SLU	Max	-1163.539	-56.161	0.
50	0.23546	SLU	Max	-1170.57	-55.857	0.
50	0.47092	SLU	Max	-1177.602	-55.553	0.
50	0.	SLU	Min	-1163.539	-56.161	0.
50	0.23546	SLU	Min	-1170.57	-55.857	0.
50	0.47092	SLU	Min	-1177.602	-55.553	0.
50	0.	SLV_DX_D	Max	-948.971	91.016	0.
50	0.23546	SLV_DX_D	Max	-954.231	118.497	0.
50	0.47092	SLV_DX_D	Max	-959.492	145.978	0.
50	0.	SLV_DX_D	Min	-948.971	91.016	0.
50	0.23546	SLV_DX_D	Min	-954.231	118.497	0.
50	0.47092	SLV_DX_D	Min	-959.492	145.978	0.
50	0.	SLV_SX_D	Max	-1211.509	-9.983	0.
50	0.23546	SLV_SX_D	Max	-1218.035	-11.76	0.
50	0.47092	SLV_SX_D	Max	-1224.56	-13.537	0.
50	0.	SLV_SX_D	Min	-1211.509	-9.983	0.
50	0.23546	SLV_SX_D	Min	-1218.035	-11.76	0.
50	0.47092	SLV_SX_D	Min	-1224.56	-13.537	0.
50	0.	SLV_DX_U	Max	-621.951	135.518	0.
50	0.23546	SLV_DX_U	Max	-625.157	162.91	0.
50	0.47092	SLV_DX_U	Max	-628.362	190.302	0.
50	0.	SLV_DX_U	Min	-621.951	135.518	0.
50	0.23546	SLV_DX_U	Min	-625.157	162.91	0.
50	0.47092	SLV_DX_U	Min	-628.362	190.302	0.
50	0.	SLV_SX_U	Max	-903.011	26.69	0.
50	0.23546	SLV_SX_U	Max	-907.481	24.824	0.
50	0.47092	SLV_SX_U	Max	-911.951	22.958	0.
50	0.	SLV_SX_U	Min	-903.011	26.69	0.
50	0.23546	SLV_SX_U	Min	-907.481	24.824	0.
50	0.47092	SLV_SX_U	Min	-911.951	22.958	0.
51	0.	SLE	Max	-905.729	-15.919	0.
51	0.23546	SLE	Max	-911.025	-15.843	0.
51	0.47092	SLE	Max	-916.321	-15.767	0.
51	0.	SLE	Min	-905.729	-15.919	0.
51	0.23546	SLE	Min	-911.025	-15.843	0.
51	0.47092	SLE	Min	-916.321	-15.767	0.
51	0.	SLU	Max	-1177.448	-20.695	0.
51	0.23546	SLU	Max	-1184.333	-20.596	0.

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
51	0.47092	SLU	Max	-1191.217	-20.497	0.
51	0.	SLU	Min	-1177.448	-20.695	0.
51	0.23546	SLU	Min	-1184.333	-20.596	0.
51	0.47092	SLU	Min	-1191.217	-20.497	0.
51	0.	SLV_DX_D	Max	-965.654	140.533	0.
51	0.23546	SLV_DX_D	Max	-971.564	167.826	0.
51	0.47092	SLV_DX_D	Max	-977.474	195.118	0.
51	0.	SLV_DX_D	Min	-965.654	140.533	0.
51	0.23546	SLV_DX_D	Min	-971.564	167.826	0.
51	0.47092	SLV_DX_D	Min	-977.474	195.118	0.
51	0.	SLV_SX_D	Max	-1224.668	67.305	0.
51	0.23546	SLV_SX_D	Max	-1230.999	65.383	0.
51	0.47092	SLV_SX_D	Max	-1237.33	63.462	0.
51	0.	SLV_SX_D	Min	-1224.668	67.305	0.
51	0.23546	SLV_SX_D	Min	-1230.999	65.383	0.
51	0.47092	SLV_SX_D	Min	-1237.33	63.462	0.
51	0.	SLV_DX_U	Max	-635.083	194.366	0.
51	0.23546	SLV_DX_U	Max	-638.98	221.63	0.
51	0.47092	SLV_DX_U	Max	-642.878	248.893	0.
51	0.	SLV_DX_U	Min	-635.083	194.366	0.
51	0.23546	SLV_DX_U	Min	-638.98	221.63	0.
51	0.47092	SLV_DX_U	Min	-642.878	248.893	0.
51	0.	SLV_SX_U	Max	-912.491	105.354	0.
51	0.23546	SLV_SX_U	Max	-916.81	103.404	0.
51	0.47092	SLV_SX_U	Max	-921.128	101.453	0.
51	0.	SLV_SX_U	Min	-912.491	105.354	0.
51	0.23546	SLV_SX_U	Min	-916.81	103.404	0.
51	0.47092	SLV_SX_U	Min	-921.128	101.453	0.
52	0.	SLE	Max	-917.423	9.734	1.210E-15
52	0.2255	SLE	Max	-922.495	9.66	1.201E-15
52	0.45101	SLE	Max	-927.567	9.585	1.192E-15
52	0.	SLE	Min	-917.423	9.734	1.210E-15
52	0.2255	SLE	Min	-922.495	9.66	1.201E-15
52	0.45101	SLE	Min	-927.567	9.585	1.192E-15
52	0.	SLU	Max	-1192.65	12.655	1.574E-15
52	0.2255	SLU	Max	-1199.243	12.557	1.562E-15
52	0.45101	SLU	Max	-1205.837	12.46	1.550E-15
52	0.	SLU	Min	-1192.65	12.655	1.574E-15
52	0.2255	SLU	Min	-1199.243	12.557	1.562E-15
52	0.45101	SLU	Min	-1205.837	12.46	1.550E-15
52	0.	SLV_DX_D	Max	-984.488	189.619	2.363E-14
52	0.2255	SLV_DX_D	Max	-990.908	215.581	2.681E-14
52	0.45101	SLV_DX_D	Max	-997.327	241.543	2.999E-14
52	0.	SLV_DX_D	Min	-984.488	189.619	2.363E-14
52	0.2255	SLV_DX_D	Min	-990.908	215.581	2.681E-14
52	0.45101	SLV_DX_D	Min	-997.327	241.543	2.999E-14
52	0.	SLV_SX_D	Max	-1241.693	138.301	1.720E-14
52	0.2255	SLV_SX_D	Max	-1247.7	136.285	1.695E-14
52	0.45101	SLV_SX_D	Max	-1253.707	134.269	1.670E-14
52	0.	SLV_SX_D	Min	-1241.693	138.301	1.720E-14
52	0.2255	SLV_SX_D	Min	-1247.7	136.285	1.695E-14
52	0.45101	SLV_SX_D	Min	-1253.707	134.269	1.670E-14
52	0.	SLV_DX_U	Max	-651.152	253.128	3.153E-14
52	0.2255	SLV_DX_U	Max	-655.644	279.119	3.471E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
52	0.45101	SLV_DX_U	Max	-660.136	305.109	3.789E-14
52	0.	SLV_DX_U	Min	-651.152	253.128	3.153E-14
52	0.2255	SLV_DX_U	Min	-655.644	279.119	3.471E-14
52	0.45101	SLV_DX_U	Min	-660.136	305.109	3.789E-14
52	0.	SLV_SX_U	Max	-926.185	178.803	2.223E-14
52	0.2255	SLV_SX_U	Max	-930.265	176.816	2.199E-14
52	0.45101	SLV_SX_U	Max	-934.344	174.828	2.175E-14
52	0.	SLV_SX_U	Min	-926.185	178.803	2.223E-14
52	0.2255	SLV_SX_U	Min	-930.265	176.816	2.199E-14
52	0.45101	SLV_SX_U	Min	-934.344	174.828	2.175E-14
53	0.	SLE	Max	-929.706	33.353	4.133E-15
53	0.2255	SLE	Max	-934.886	33.124	4.105E-15
53	0.45101	SLE	Max	-940.066	32.895	4.077E-15
53	0.	SLE	Min	-929.706	33.353	4.133E-15
53	0.2255	SLE	Min	-934.886	33.124	4.105E-15
53	0.45101	SLE	Min	-940.066	32.895	4.077E-15
53	0.	SLU	Max	-1208.618	43.359	5.373E-15
53	0.2255	SLU	Max	-1215.352	43.061	5.337E-15
53	0.45101	SLU	Max	-1222.086	42.763	5.300E-15
53	0.	SLU	Min	-1208.618	43.359	5.373E-15
53	0.2255	SLU	Min	-1215.352	43.061	5.337E-15
53	0.45101	SLU	Min	-1222.086	42.763	5.300E-15
53	0.	SLV_DX_D	Max	-1005.063	235.884	2.927E-14
53	0.2255	SLV_DX_D	Max	-1012.379	261.661	3.243E-14
53	0.45101	SLV_DX_D	Max	-1019.695	287.439	3.558E-14
53	0.	SLV_DX_D	Min	-1005.063	235.884	2.927E-14
53	0.2255	SLV_DX_D	Min	-1012.379	261.661	3.243E-14
53	0.45101	SLV_DX_D	Min	-1019.695	287.439	3.558E-14
53	0.	SLV_SX_D	Max	-1261.843	204.131	2.529E-14
53	0.2255	SLV_SX_D	Max	-1267.92	201.89	2.502E-14
53	0.45101	SLV_SX_D	Max	-1273.997	199.649	2.475E-14
53	0.	SLV_SX_D	Min	-1261.843	204.131	2.529E-14
53	0.2255	SLV_SX_D	Min	-1267.92	201.89	2.502E-14
53	0.45101	SLV_SX_D	Min	-1273.997	199.649	2.475E-14
53	0.	SLV_DX_U	Max	-669.891	309.358	3.838E-14
53	0.2255	SLV_DX_U	Max	-675.238	335.222	4.154E-14
53	0.45101	SLV_DX_U	Max	-680.586	361.087	4.471E-14
53	0.	SLV_DX_U	Min	-669.891	309.358	3.838E-14
53	0.2255	SLV_DX_U	Min	-675.238	335.222	4.154E-14
53	0.45101	SLV_DX_U	Min	-680.586	361.087	4.471E-14
53	0.	SLV_SX_U	Max	-943.572	248.616	3.081E-14
53	0.2255	SLV_SX_U	Max	-947.681	246.462	3.054E-14
53	0.45101	SLV_SX_U	Max	-951.79	244.308	3.028E-14
53	0.	SLV_SX_U	Min	-943.572	248.616	3.081E-14
53	0.2255	SLV_SX_U	Min	-947.681	246.462	3.054E-14
53	0.45101	SLV_SX_U	Min	-951.79	244.308	3.028E-14
54	0.	SLE	Max	-944.365	55.845	6.877E-15
54	0.2255	SLE	Max	-949.761	55.446	6.828E-15
54	0.45101	SLE	Max	-955.156	55.048	6.780E-15
54	0.	SLE	Min	-944.365	55.845	6.877E-15
54	0.2255	SLE	Min	-949.761	55.446	6.828E-15
54	0.45101	SLE	Min	-955.156	55.048	6.780E-15
54	0.	SLU	Max	-1227.674	72.598	8.940E-15
54	0.2255	SLU	Max	-1234.689	72.08	8.877E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
54	0.45101	SLU	Max	-1241.703	71.563	8.813E-15
54	0.	SLU	Min	-1227.674	72.598	8.940E-15
54	0.2255	SLU	Min	-1234.689	72.08	8.877E-15
54	0.45101	SLU	Min	-1241.703	71.563	8.813E-15
54	0.	SLV_DX_D	Max	-1029.565	282.279	3.478E-14
54	0.2255	SLV_DX_D	Max	-1037.908	307.854	3.791E-14
54	0.45101	SLV_DX_D	Max	-1046.251	333.429	4.104E-14
54	0.	SLV_DX_D	Min	-1029.565	282.279	3.478E-14
54	0.2255	SLV_DX_D	Min	-1037.908	307.854	3.791E-14
54	0.45101	SLV_DX_D	Min	-1046.251	333.429	4.104E-14
54	0.	SLV_SX_D	Max	-1287.129	267.791	3.298E-14
54	0.2255	SLV_SX_D	Max	-1293.399	265.267	3.267E-14
54	0.45101	SLV_SX_D	Max	-1299.669	262.742	3.236E-14
54	0.	SLV_SX_D	Min	-1287.129	267.791	3.298E-14
54	0.2255	SLV_SX_D	Min	-1293.399	265.267	3.267E-14
54	0.45101	SLV_SX_D	Min	-1299.669	262.742	3.236E-14
54	0.	SLV_DX_U	Max	-692.773	365.888	4.508E-14
54	0.2255	SLV_DX_U	Max	-699.065	391.614	4.823E-14
54	0.45101	SLV_DX_U	Max	-705.358	417.34	5.138E-14
54	0.	SLV_DX_U	Min	-692.773	365.888	4.508E-14
54	0.2255	SLV_DX_U	Min	-699.065	391.614	4.823E-14
54	0.45101	SLV_DX_U	Min	-705.358	417.34	5.138E-14
54	0.	SLV_SX_U	Max	-966.089	318.01	3.916E-14
54	0.2255	SLV_SX_U	Max	-970.308	315.637	3.887E-14
54	0.45101	SLV_SX_U	Max	-974.527	313.264	3.858E-14
54	0.	SLV_SX_U	Min	-966.089	318.01	3.916E-14
54	0.2255	SLV_SX_U	Min	-970.308	315.637	3.887E-14
54	0.45101	SLV_SX_U	Min	-974.527	313.264	3.858E-14
55	0.	SLE	Max	-961.514	76.663	9.331E-15
55	0.2255	SLE	Max	-967.401	76.053	9.257E-15
55	0.45101	SLE	Max	-973.287	75.444	9.182E-15
55	0.	SLE	Min	-961.514	76.663	9.331E-15
55	0.2255	SLE	Min	-967.401	76.053	9.257E-15
55	0.45101	SLE	Min	-973.287	75.444	9.182E-15
55	0.	SLU	Max	-1249.969	99.661	1.213E-14
55	0.2255	SLU	Max	-1257.621	98.87	1.203E-14
55	0.45101	SLU	Max	-1265.273	98.078	1.194E-14
55	0.	SLU	Min	-1249.969	99.661	1.213E-14
55	0.2255	SLU	Min	-1257.621	98.87	1.203E-14
55	0.45101	SLU	Min	-1265.273	98.078	1.194E-14
55	0.	SLV_DX_D	Max	-1058.322	328.588	3.997E-14
55	0.2255	SLV_DX_D	Max	-1068.029	353.973	4.308E-14
55	0.45101	SLV_DX_D	Max	-1077.735	379.358	4.619E-14
55	0.	SLV_DX_D	Min	-1058.322	328.588	3.997E-14
55	0.2255	SLV_DX_D	Min	-1068.029	353.973	4.308E-14
55	0.45101	SLV_DX_D	Min	-1077.735	379.358	4.619E-14
55	0.	SLV_SX_D	Max	-1317.711	329.352	4.009E-14
55	0.2255	SLV_SX_D	Max	-1324.484	326.39	3.973E-14
55	0.45101	SLV_SX_D	Max	-1331.258	323.428	3.936E-14
55	0.	SLV_SX_D	Min	-1317.711	329.352	4.009E-14
55	0.2255	SLV_SX_D	Min	-1324.484	326.39	3.973E-14
55	0.45101	SLV_SX_D	Min	-1331.258	323.428	3.936E-14
55	0.	SLV_DX_U	Max	-720.049	422.506	5.141E-14
55	0.2255	SLV_DX_U	Max	-727.519	448.123	5.454E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
55	0.45101	SLV_DX_U	Max	-734.989	473.739	5.768E-14
55	0.	SLV_DX_U	Min	-720.049	422.506	5.141E-14
55	0.2255	SLV_DX_U	Min	-727.519	448.123	5.454E-14
55	0.45101	SLV_DX_U	Min	-734.989	473.739	5.768E-14
55	0.	SLV_SX_U	Max	-993.994	387.449	4.716E-14
55	0.2255	SLV_SX_U	Max	-998.53	384.719	4.683E-14
55	0.45101	SLV_SX_U	Max	-1003.067	381.989	4.649E-14
55	0.	SLV_SX_U	Min	-993.994	387.449	4.716E-14
55	0.2255	SLV_SX_U	Min	-998.53	384.719	4.683E-14
55	0.45101	SLV_SX_U	Min	-1003.067	381.989	4.649E-14
56	0.	SLE	Max	-981.552	95.214	1.147E-14
56	0.2255	SLE	Max	-987.976	94.357	1.137E-14
56	0.45101	SLE	Max	-994.401	93.5	1.126E-14
56	0.	SLE	Min	-981.552	95.214	1.147E-14
56	0.2255	SLE	Min	-987.976	94.357	1.137E-14
56	0.45101	SLE	Min	-994.401	93.5	1.126E-14
56	0.	SLU	Max	-1276.018	123.778	1.492E-14
56	0.2255	SLU	Max	-1284.369	122.664	1.478E-14
56	0.45101	SLU	Max	-1292.721	121.55	1.464E-14
56	0.	SLU	Min	-1276.018	123.778	1.492E-14
56	0.2255	SLU	Min	-1284.369	122.664	1.478E-14
56	0.45101	SLU	Min	-1292.721	121.55	1.464E-14
56	0.	SLV_DX_D	Max	-1092.068	374.619	4.509E-14
56	0.2255	SLV_DX_D	Max	-1103.2	399.748	4.817E-14
56	0.45101	SLV_DX_D	Max	-1114.332	424.877	5.124E-14
56	0.	SLV_DX_D	Min	-1092.068	374.619	4.509E-14
56	0.2255	SLV_DX_D	Min	-1103.2	399.748	4.817E-14
56	0.45101	SLV_DX_D	Min	-1114.332	424.877	5.124E-14
56	0.	SLV_SX_D	Max	-1354.119	388.38	4.680E-14
56	0.2255	SLV_SX_D	Max	-1361.439	384.919	4.638E-14
56	0.45101	SLV_SX_D	Max	-1368.758	381.458	4.596E-14
56	0.	SLV_SX_D	Min	-1354.119	388.38	4.680E-14
56	0.2255	SLV_SX_D	Min	-1361.439	384.919	4.638E-14
56	0.45101	SLV_SX_D	Min	-1368.758	381.458	4.596E-14
56	0.	SLV_DX_U	Max	-752.251	479.059	5.767E-14
56	0.2255	SLV_DX_U	Max	-760.942	504.514	6.079E-14
56	0.45101	SLV_DX_U	Max	-769.633	529.968	6.391E-14
56	0.	SLV_DX_U	Min	-752.251	479.059	5.767E-14
56	0.2255	SLV_DX_U	Min	-760.942	504.514	6.079E-14
56	0.45101	SLV_DX_U	Min	-769.633	529.968	6.391E-14
56	0.	SLV_SX_U	Max	-1027.825	456.798	5.505E-14
56	0.2255	SLV_SX_U	Max	-1032.703	453.663	5.466E-14
56	0.45101	SLV_SX_U	Max	-1037.581	450.527	5.428E-14
56	0.	SLV_SX_U	Min	-1027.825	456.798	5.505E-14
56	0.2255	SLV_SX_U	Min	-1032.703	453.663	5.466E-14
56	0.45101	SLV_SX_U	Min	-1037.581	450.527	5.428E-14
57	0.	SLE	Max	-1005.552	112.848	1.311E-14
57	0.27332	SLE	Max	-1015.659	111.164	1.290E-14
57	0.54664	SLE	Max	-1025.766	109.479	1.270E-14
57	0.	SLE	Min	-1005.552	112.848	1.311E-14
57	0.27332	SLE	Min	-1015.659	111.164	1.290E-14
57	0.54664	SLE	Min	-1025.766	109.479	1.270E-14
57	0.	SLU	Max	-1307.218	146.703	1.704E-14
57	0.27332	SLU	Max	-1320.357	144.513	1.677E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
57	0.54664	SLU	Max	-1333.496	142.323	1.651E-14
57	0.	SLU	Min	-1307.218	146.703	1.704E-14
57	0.27332	SLU	Min	-1320.357	144.513	1.677E-14
57	0.54664	SLU	Min	-1333.496	142.323	1.651E-14
57	0.	SLV_DX_D	Max	-1132.78	419.528	4.850E-14
57	0.27332	SLV_DX_D	Max	-1150.19	449.819	5.221E-14
57	0.54664	SLV_DX_D	Max	-1167.6	480.109	5.592E-14
57	0.	SLV_DX_D	Min	-1132.78	419.528	4.850E-14
57	0.27332	SLV_DX_D	Min	-1150.19	449.819	5.221E-14
57	0.54664	SLV_DX_D	Min	-1167.6	480.109	5.592E-14
57	0.	SLV_SX_D	Max	-1399.527	451.062	5.239E-14
57	0.27332	SLV_SX_D	Max	-1410.914	445.217	5.168E-14
57	0.54664	SLV_SX_D	Max	-1422.301	439.371	5.096E-14
57	0.	SLV_SX_D	Min	-1399.527	451.062	5.239E-14
57	0.27332	SLV_SX_D	Min	-1410.914	445.217	5.168E-14
57	0.54664	SLV_SX_D	Min	-1422.301	439.371	5.096E-14
57	0.	SLV_DX_U	Max	-791.687	535.795	6.199E-14
57	0.27332	SLV_DX_U	Max	-805.257	566.726	6.578E-14
57	0.54664	SLV_DX_U	Max	-818.826	597.656	6.957E-14
57	0.	SLV_DX_U	Min	-791.687	535.795	6.199E-14
57	0.27332	SLV_DX_U	Min	-805.257	566.726	6.578E-14
57	0.54664	SLV_DX_U	Min	-818.826	597.656	6.957E-14
57	0.	SLV_SX_U	Max	-1071.248	533.717	6.198E-14
57	0.27332	SLV_SX_U	Max	-1078.794	528.512	6.134E-14
57	0.54664	SLV_SX_U	Max	-1086.341	523.307	6.071E-14
57	0.	SLV_SX_U	Min	-1071.248	533.717	6.198E-14
57	0.27332	SLV_SX_U	Min	-1078.794	528.512	6.134E-14
57	0.54664	SLV_SX_U	Min	-1086.341	523.307	6.071E-14
58	0.	SLE	Max	-719.639	-432.303	-4.740E-14
58	0.40189	SLE	Max	-728.6	-444.415	-4.889E-14
58	0.80378	SLE	Max	-737.562	-456.526	-5.037E-14
58	0.	SLE	Min	-719.639	-432.303	-4.740E-14
58	0.40189	SLE	Min	-728.6	-444.415	-4.889E-14
58	0.80378	SLE	Min	-737.562	-456.526	-5.037E-14
58	0.	SLU	Max	-935.531	-561.994	-6.162E-14
58	0.40189	SLU	Max	-947.181	-577.739	-6.355E-14
58	0.80378	SLU	Max	-958.83	-593.484	-6.548E-14
58	0.	SLU	Min	-935.531	-561.994	-6.162E-14
58	0.40189	SLU	Min	-947.181	-577.739	-6.355E-14
58	0.80378	SLU	Min	-958.83	-593.484	-6.548E-14
58	0.	SLV_DX_D	Max	-1108.455	-319.699	-3.503E-14
58	0.40189	SLV_DX_D	Max	-1123.721	-330.706	-3.638E-14
58	0.80378	SLV_DX_D	Max	-1138.988	-341.714	-3.773E-14
58	0.	SLV_DX_D	Min	-1108.455	-319.699	-3.503E-14
58	0.40189	SLV_DX_D	Min	-1123.721	-330.706	-3.638E-14
58	0.80378	SLV_DX_D	Min	-1138.988	-341.714	-3.773E-14
58	0.	SLV_SX_D	Max	-1270.682	-460.575	-5.044E-14
58	0.40189	SLV_SX_D	Max	-1276.743	-478.393	-5.262E-14
58	0.80378	SLV_SX_D	Max	-1282.805	-496.211	-5.480E-14
58	0.	SLV_SX_D	Min	-1270.682	-460.575	-5.044E-14
58	0.40189	SLV_SX_D	Min	-1276.743	-478.393	-5.262E-14
58	0.80378	SLV_SX_D	Min	-1282.805	-496.211	-5.480E-14
58	0.	SLV_DX_U	Max	-1008.947	-86.672	-9.454E-15
58	0.40189	SLV_DX_U	Max	-1020.808	-93.078	-1.024E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
58	0.80378	SLV_DX_U	Max	-1032.669	-99.483	-1.102E-14
58	0.	SLV_DX_U	Min	-1008.947	-86.672	-9.454E-15
58	0.40189	SLV_DX_U	Min	-1020.808	-93.078	-1.024E-14
58	0.80378	SLV_DX_U	Min	-1032.669	-99.483	-1.102E-14
58	0.	SLV_SX_U	Max	-1158.819	-257.369	-2.815E-14
58	0.40189	SLV_SX_U	Max	-1161.476	-270.584	-2.976E-14
58	0.80378	SLV_SX_U	Max	-1164.132	-283.8	-3.138E-14
58	0.	SLV_SX_U	Min	-1158.819	-257.369	-2.815E-14
58	0.40189	SLV_SX_U	Min	-1161.476	-270.584	-2.976E-14
58	0.80378	SLV_SX_U	Min	-1164.132	-283.8	-3.138E-14
59	0.	SLE	Max	-497.887	-187.99	-2.052E-14
59	0.40189	SLE	Max	-505.907	-200.744	-2.208E-14
59	0.80378	SLE	Max	-513.928	-213.497	-2.364E-14
59	0.	SLE	Min	-497.887	-187.99	-2.052E-14
59	0.40189	SLE	Min	-505.907	-200.744	-2.208E-14
59	0.80378	SLE	Min	-513.928	-213.497	-2.364E-14
59	0.	SLU	Max	-647.252	-244.387	-2.668E-14
59	0.40189	SLU	Max	-657.68	-260.967	-2.871E-14
59	0.80378	SLU	Max	-668.107	-277.547	-3.074E-14
59	0.	SLU	Min	-647.252	-244.387	-2.668E-14
59	0.40189	SLU	Min	-657.68	-260.967	-2.871E-14
59	0.80378	SLU	Min	-668.107	-277.547	-3.074E-14
59	0.	SLV_DX_D	Max	-920.375	-125.348	-1.364E-14
59	0.40189	SLV_DX_D	Max	-934.766	-137.477	-1.512E-14
59	0.80378	SLV_DX_D	Max	-949.158	-149.607	-1.661E-14
59	0.	SLV_DX_D	Min	-920.375	-125.348	-1.364E-14
59	0.40189	SLV_DX_D	Min	-934.766	-137.477	-1.512E-14
59	0.80378	SLV_DX_D	Min	-949.158	-149.607	-1.661E-14
59	0.	SLV_SX_D	Max	-1047.348	-282.687	-3.087E-14
59	0.40189	SLV_SX_D	Max	-1052.046	-300.912	-3.310E-14
59	0.80378	SLV_SX_D	Max	-1056.745	-319.137	-3.533E-14
59	0.	SLV_SX_D	Min	-1047.348	-282.687	-3.087E-14
59	0.40189	SLV_SX_D	Min	-1052.046	-300.912	-3.310E-14
59	0.80378	SLV_SX_D	Min	-1056.745	-319.137	-3.533E-14
59	0.	SLV_DX_U	Max	-927.726	-26.953	-2.874E-15
59	0.40189	SLV_DX_U	Max	-939.069	-34.236	-3.766E-15
59	0.80378	SLV_DX_U	Max	-950.412	-41.518	-4.658E-15
59	0.	SLV_DX_U	Min	-927.726	-26.953	-2.874E-15
59	0.40189	SLV_DX_U	Min	-939.069	-34.236	-3.766E-15
59	0.80378	SLV_DX_U	Min	-950.412	-41.518	-4.658E-15
59	0.	SLV_SX_U	Max	-1046.271	-222.863	-2.435E-14
59	0.40189	SLV_SX_U	Max	-1047.921	-236.241	-2.599E-14
59	0.80378	SLV_SX_U	Max	-1049.572	-249.62	-2.762E-14
59	0.	SLV_SX_U	Min	-1046.271	-222.863	-2.435E-14
59	0.40189	SLV_SX_U	Min	-1047.921	-236.241	-2.599E-14
59	0.80378	SLV_SX_U	Min	-1049.572	-249.62	-2.762E-14
60	0.	SLE	Max	-421.81	-67.1	-8.217E-15
60	0.2531	SLE	Max	-424.841	-72.652	-8.897E-15
60	0.5062	SLE	Max	-427.873	-78.204	-9.577E-15
60	0.	SLE	Min	-421.81	-67.1	-8.217E-15
60	0.2531	SLE	Min	-424.841	-72.652	-8.897E-15
60	0.5062	SLE	Min	-427.873	-78.204	-9.577E-15
60	0.	SLU	Max	-548.352	-87.23	-1.068E-14
60	0.2531	SLU	Max	-552.294	-94.448	-1.157E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
60	0.5062	SLU	Max	-556.235	-101.665	-1.245E-14
60	0.	SLU	Min	-548.352	-87.23	-1.068E-14
60	0.2531	SLU	Min	-552.294	-94.448	-1.157E-14
60	0.5062	SLU	Min	-556.235	-101.665	-1.245E-14
60	0.	SLV_DX_D	Max	-843.275	-27.568	-3.376E-15
60	0.2531	SLV_DX_D	Max	-848.992	-33.023	-4.044E-15
60	0.5062	SLV_DX_D	Max	-854.709	-38.477	-4.712E-15
60	0.	SLV_DX_D	Min	-843.275	-27.568	-3.376E-15
60	0.2531	SLV_DX_D	Min	-848.992	-33.023	-4.044E-15
60	0.5062	SLV_DX_D	Min	-854.709	-38.477	-4.712E-15
60	0.	SLV_SX_D	Max	-958.737	-177.06	-2.168E-14
60	0.2531	SLV_SX_D	Max	-960.235	-184.819	-2.263E-14
60	0.5062	SLV_SX_D	Max	-961.733	-192.577	-2.358E-14
60	0.	SLV_SX_D	Min	-958.737	-177.06	-2.168E-14
60	0.2531	SLV_SX_D	Min	-960.235	-184.819	-2.263E-14
60	0.5062	SLV_SX_D	Min	-961.733	-192.577	-2.358E-14
60	0.	SLV_DX_U	Max	-880.745	19.656	2.407E-15
60	0.2531	SLV_DX_U	Max	-885.31	16.311	1.998E-15
60	0.5062	SLV_DX_U	Max	-889.876	12.966	1.588E-15
60	0.	SLV_DX_U	Min	-880.745	19.656	2.407E-15
60	0.2531	SLV_DX_U	Min	-885.31	16.311	1.998E-15
60	0.5062	SLV_DX_U	Min	-889.876	12.966	1.588E-15
60	0.	SLV_SX_U	Max	-991.77	-181.06	-2.217E-14
60	0.2531	SLV_SX_U	Max	-992.116	-186.709	-2.287E-14
60	0.5062	SLV_SX_U	Max	-992.462	-192.358	-2.356E-14
60	0.	SLV_SX_U	Min	-991.77	-181.06	-2.217E-14
60	0.2531	SLV_SX_U	Min	-992.116	-186.709	-2.287E-14
60	0.5062	SLV_SX_U	Min	-992.462	-192.358	-2.356E-14
61	0.	SLE	Max	-425.13	-36.689	-4.493E-15
61	0.2531	SLE	Max	-427.894	-42.379	-5.190E-15
61	0.5062	SLE	Max	-430.658	-48.068	-5.887E-15
61	0.	SLE	Min	-425.13	-36.689	-4.493E-15
61	0.2531	SLE	Min	-427.894	-42.379	-5.190E-15
61	0.5062	SLE	Min	-430.658	-48.068	-5.887E-15
61	0.	SLU	Max	-552.669	-47.695	-5.841E-15
61	0.2531	SLU	Max	-556.262	-55.092	-6.747E-15
61	0.5062	SLU	Max	-559.856	-62.489	-7.653E-15
61	0.	SLU	Min	-552.669	-47.695	-5.841E-15
61	0.2531	SLU	Min	-556.262	-55.092	-6.747E-15
61	0.5062	SLU	Min	-559.856	-62.489	-7.653E-15
61	0.	SLV_DX_D	Max	-852.339	-57.579	-7.051E-15
61	0.2531	SLV_DX_D	Max	-857.79	-63.3	-7.752E-15
61	0.5062	SLV_DX_D	Max	-863.241	-69.021	-8.453E-15
61	0.	SLV_DX_D	Min	-852.339	-57.579	-7.051E-15
61	0.2531	SLV_DX_D	Min	-857.79	-63.3	-7.752E-15
61	0.5062	SLV_DX_D	Min	-863.241	-69.021	-8.453E-15
61	0.	SLV_SX_D	Max	-954.498	-113.902	-1.395E-14
61	0.2531	SLV_SX_D	Max	-955.625	-121.723	-1.491E-14
61	0.5062	SLV_SX_D	Max	-956.752	-129.544	-1.586E-14
61	0.	SLV_SX_D	Min	-954.498	-113.902	-1.395E-14
61	0.2531	SLV_SX_D	Min	-955.625	-121.723	-1.491E-14
61	0.5062	SLV_SX_D	Min	-956.752	-129.544	-1.586E-14
61	0.	SLV_DX_U	Max	-889.485	-29.398	-3.600E-15
61	0.2531	SLV_DX_U	Max	-893.886	-32.957	-4.036E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
61	0.5062	SLV_DX_U	Max	-898.287	-36.515	-4.472E-15
61	0.	SLV_DX_U	Min	-889.485	-29.398	-3.600E-15
61	0.2531	SLV_DX_U	Min	-893.886	-32.957	-4.036E-15
61	0.5062	SLV_DX_U	Min	-898.287	-36.515	-4.472E-15
61	0.	SLV_SX_U	Max	-984.958	-126.327	-1.547E-14
61	0.2531	SLV_SX_U	Max	-985.034	-131.986	-1.616E-14
61	0.5062	SLV_SX_U	Max	-985.111	-137.645	-1.686E-14
61	0.	SLV_SX_U	Min	-984.958	-126.327	-1.547E-14
61	0.2531	SLV_SX_U	Min	-985.034	-131.986	-1.616E-14
61	0.5062	SLV_SX_U	Min	-985.111	-137.645	-1.686E-14
62	0.	SLE	Max	-429.189	-13.414	-1.643E-15
62	0.2531	SLE	Max	-431.679	-19.229	-2.355E-15
62	0.5062	SLE	Max	-434.169	-25.044	-3.067E-15
62	0.	SLE	Min	-429.189	-13.414	-1.643E-15
62	0.2531	SLE	Min	-431.679	-19.229	-2.355E-15
62	0.5062	SLE	Min	-434.169	-25.044	-3.067E-15
62	0.	SLU	Max	-557.945	-17.438	-2.136E-15
62	0.2531	SLU	Max	-561.183	-24.998	-3.061E-15
62	0.5062	SLU	Max	-564.42	-32.557	-3.987E-15
62	0.	SLU	Min	-557.945	-17.438	-2.136E-15
62	0.2531	SLU	Min	-561.183	-24.998	-3.061E-15
62	0.5062	SLU	Min	-564.42	-32.557	-3.987E-15
62	0.	SLV_DX_D	Max	-859.649	-78.378	-9.599E-15
62	0.2531	SLV_DX_D	Max	-864.822	-84.351	-1.033E-14
62	0.5062	SLV_DX_D	Max	-869.995	-90.325	-1.106E-14
62	0.	SLV_DX_D	Min	-859.649	-78.378	-9.599E-15
62	0.2531	SLV_DX_D	Min	-864.822	-84.351	-1.033E-14
62	0.5062	SLV_DX_D	Min	-869.995	-90.325	-1.106E-14
62	0.	SLV_SX_D	Max	-952.272	-61.417	-7.521E-15
62	0.2531	SLV_SX_D	Max	-953.025	-69.283	-8.485E-15
62	0.5062	SLV_SX_D	Max	-953.779	-77.149	-9.448E-15
62	0.	SLV_SX_D	Min	-952.272	-61.417	-7.521E-15
62	0.2531	SLV_SX_D	Min	-953.025	-69.283	-8.485E-15
62	0.5062	SLV_SX_D	Min	-953.779	-77.149	-9.448E-15
62	0.	SLV_DX_U	Max	-895.532	-76.374	-9.353E-15
62	0.2531	SLV_DX_U	Max	-899.758	-80.138	-9.814E-15
62	0.5062	SLV_DX_U	Max	-903.985	-83.902	-1.028E-14
62	0.	SLV_DX_U	Min	-895.532	-76.374	-9.353E-15
62	0.2531	SLV_DX_U	Min	-899.758	-80.138	-9.814E-15
62	0.5062	SLV_DX_U	Min	-903.985	-83.902	-1.028E-14
62	0.	SLV_SX_U	Max	-980.05	-78.55	-9.620E-15
62	0.2531	SLV_SX_U	Max	-979.857	-84.206	-1.031E-14
62	0.5062	SLV_SX_U	Max	-979.665	-89.862	-1.100E-14
62	0.	SLV_SX_U	Min	-980.05	-78.55	-9.620E-15
62	0.2531	SLV_SX_U	Min	-979.857	-84.206	-1.031E-14
62	0.5062	SLV_SX_U	Min	-979.665	-89.862	-1.100E-14
63	0.	SLE	Max	-433.651	3.461	4.239E-16
63	0.2531	SLE	Max	-435.862	-2.466	-3.019E-16
63	0.5062	SLE	Max	-438.072	-8.392	-1.028E-15
63	0.	SLE	Min	-433.651	3.461	4.239E-16
63	0.2531	SLE	Min	-435.862	-2.466	-3.019E-16
63	0.5062	SLE	Min	-438.072	-8.392	-1.028E-15
63	0.	SLU	Max	-563.746	4.5	5.511E-16
63	0.2531	SLU	Max	-566.62	-3.205	-3.925E-16

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
63	0.5062	SLU	Max	-569.494	-10.91	-1.336E-15
63	0.	SLU	Min	-563.746	4.5	5.511E-16
63	0.2531	SLU	Min	-566.62	-3.205	-3.925E-16
63	0.5062	SLU	Min	-569.494	-10.91	-1.336E-15
63	0.	SLV_DX_D	Max	-865.577	-91.836	-1.125E-14
63	0.2531	SLV_DX_D	Max	-870.46	-98.049	-1.201E-14
63	0.5062	SLV_DX_D	Max	-875.342	-104.262	-1.277E-14
63	0.	SLV_DX_D	Min	-865.577	-91.836	-1.125E-14
63	0.2531	SLV_DX_D	Min	-870.46	-98.049	-1.201E-14
63	0.5062	SLV_DX_D	Min	-875.342	-104.262	-1.277E-14
63	0.	SLV_SX_D	Max	-951.568	-18.594	-2.277E-15
63	0.2531	SLV_SX_D	Max	-951.946	-26.487	-3.244E-15
63	0.5062	SLV_SX_D	Max	-952.325	-34.38	-4.210E-15
63	0.	SLV_SX_D	Min	-951.568	-18.594	-2.277E-15
63	0.2531	SLV_SX_D	Min	-951.946	-26.487	-3.244E-15
63	0.5062	SLV_SX_D	Min	-952.325	-34.38	-4.210E-15
63	0.	SLV_DX_U	Max	-899.269	-109.879	-1.346E-14
63	0.2531	SLV_DX_U	Max	-903.312	-113.84	-1.394E-14
63	0.5062	SLV_DX_U	Max	-907.355	-117.801	-1.443E-14
63	0.	SLV_DX_U	Min	-899.269	-109.879	-1.346E-14
63	0.2531	SLV_DX_U	Min	-903.312	-113.84	-1.394E-14
63	0.5062	SLV_DX_U	Min	-907.355	-117.801	-1.443E-14
63	0.	SLV_SX_U	Max	-976.727	-37.263	-4.563E-15
63	0.2531	SLV_SX_U	Max	-976.265	-42.903	-5.254E-15
63	0.5062	SLV_SX_U	Max	-975.803	-48.544	-5.945E-15
63	0.	SLV_SX_U	Min	-976.727	-37.263	-4.563E-15
63	0.2531	SLV_SX_U	Min	-976.265	-42.903	-5.254E-15
63	0.5062	SLV_SX_U	Min	-975.803	-48.544	-5.945E-15
64	0.	SLE	Max	-438.221	14.745	1.806E-15
64	0.2531	SLE	Max	-440.147	8.719	1.068E-15
64	0.5062	SLE	Max	-442.073	2.694	3.299E-16
64	0.	SLE	Min	-438.221	14.745	1.806E-15
64	0.2531	SLE	Min	-440.147	8.719	1.068E-15
64	0.5062	SLE	Min	-442.073	2.694	3.299E-16
64	0.	SLU	Max	-569.687	19.168	2.347E-15
64	0.2531	SLU	Max	-572.191	11.335	1.388E-15
64	0.5062	SLU	Max	-574.695	3.502	4.289E-16
64	0.	SLU	Min	-569.687	19.168	2.347E-15
64	0.2531	SLU	Min	-572.191	11.335	1.388E-15
64	0.5062	SLU	Min	-574.695	3.502	4.289E-16
64	0.	SLV_DX_D	Max	-870.409	-99.63	-1.220E-14
64	0.2531	SLV_DX_D	Max	-874.99	-106.068	-1.299E-14
64	0.5062	SLV_DX_D	Max	-879.572	-112.507	-1.378E-14
64	0.	SLV_DX_D	Min	-870.409	-99.63	-1.220E-14
64	0.2531	SLV_DX_D	Min	-874.99	-106.068	-1.299E-14
64	0.5062	SLV_DX_D	Min	-879.572	-112.507	-1.378E-14
64	0.	SLV_SX_D	Max	-951.954	15.787	1.933E-15
64	0.2531	SLV_SX_D	Max	-951.956	7.885	9.656E-16
64	0.5062	SLV_SX_D	Max	-951.959	-0.017	-2.078E-18
64	0.	SLV_SX_D	Min	-951.954	15.787	1.933E-15
64	0.2531	SLV_SX_D	Min	-951.956	7.885	9.656E-16
64	0.5062	SLV_SX_D	Min	-951.959	-0.017	-2.078E-18
64	0.	SLV_DX_U	Max	-901.327	-131.157	-1.606E-14
64	0.2531	SLV_DX_U	Max	-905.177	-135.306	-1.657E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
64	0.5062	SLV_DX_U	Max	-909.027	-139.454	-1.708E-14
64	0.	SLV_DX_U	Min	-901.327	-131.157	-1.606E-14
64	0.2531	SLV_DX_U	Min	-905.177	-135.306	-1.657E-14
64	0.5062	SLV_DX_U	Min	-909.027	-139.454	-1.708E-14
64	0.	SLV_SX_U	Max	-974.697	-1.766	-2.163E-16
64	0.2531	SLV_SX_U	Max	-973.968	-7.378	-9.036E-16
64	0.5062	SLV_SX_U	Max	-973.238	-12.991	-1.591E-15
64	0.	SLV_SX_U	Min	-974.697	-1.766	-2.163E-16
64	0.2531	SLV_SX_U	Min	-973.968	-7.378	-9.036E-16
64	0.5062	SLV_SX_U	Min	-973.238	-12.991	-1.591E-15
65	0.	SLE	Max	-442.641	21.258	2.603E-15
65	0.2531	SLE	Max	-444.279	15.148	1.855E-15
65	0.5062	SLE	Max	-445.916	9.038	1.107E-15
65	0.	SLE	Min	-442.641	21.258	2.603E-15
65	0.2531	SLE	Min	-444.279	15.148	1.855E-15
65	0.5062	SLE	Min	-445.916	9.038	1.107E-15
65	0.	SLU	Max	-575.434	27.636	3.384E-15
65	0.2531	SLU	Max	-577.562	19.692	2.412E-15
65	0.5062	SLU	Max	-579.691	11.749	1.439E-15
65	0.	SLU	Min	-575.434	27.636	3.384E-15
65	0.2531	SLU	Min	-577.562	19.692	2.412E-15
65	0.5062	SLU	Min	-579.691	11.749	1.439E-15
65	0.	SLV_DX_D	Max	-874.358	-103.222	-1.264E-14
65	0.2531	SLV_DX_D	Max	-878.628	-109.871	-1.346E-14
65	0.5062	SLV_DX_D	Max	-882.898	-116.52	-1.427E-14
65	0.	SLV_DX_D	Min	-874.358	-103.222	-1.264E-14
65	0.2531	SLV_DX_D	Min	-878.628	-109.871	-1.346E-14
65	0.5062	SLV_DX_D	Min	-882.898	-116.52	-1.427E-14
65	0.	SLV_SX_D	Max	-953.057	43.021	5.269E-15
65	0.2531	SLV_SX_D	Max	-952.683	35.128	4.302E-15
65	0.5062	SLV_SX_D	Max	-952.31	27.235	3.335E-15
65	0.	SLV_SX_D	Min	-953.057	43.021	5.269E-15
65	0.2531	SLV_SX_D	Min	-952.683	35.128	4.302E-15
65	0.5062	SLV_SX_D	Min	-952.31	27.235	3.335E-15
65	0.	SLV_DX_U	Max	-902.209	-142.713	-1.748E-14
65	0.2531	SLV_DX_U	Max	-905.857	-147.041	-1.801E-14
65	0.5062	SLV_DX_U	Max	-909.505	-151.368	-1.854E-14
65	0.	SLV_DX_U	Min	-902.209	-142.713	-1.748E-14
65	0.2531	SLV_DX_U	Min	-905.857	-147.041	-1.801E-14
65	0.5062	SLV_DX_U	Min	-909.505	-151.368	-1.854E-14
65	0.	SLV_SX_U	Max	-973.708	28.749	3.521E-15
65	0.2531	SLV_SX_U	Max	-972.712	23.178	2.838E-15
65	0.5062	SLV_SX_U	Max	-971.716	17.607	2.156E-15
65	0.	SLV_SX_U	Min	-973.708	28.749	3.521E-15
65	0.2531	SLV_SX_U	Min	-972.712	23.178	2.838E-15
65	0.5062	SLV_SX_U	Min	-971.716	17.607	2.156E-15
66	0.	SLE	Max	-446.698	23.818	2.917E-15
66	0.2531	SLE	Max	-448.042	17.637	2.160E-15
66	0.5062	SLE	Max	-449.387	11.456	1.403E-15
66	0.	SLE	Min	-446.698	23.818	2.917E-15
66	0.2531	SLE	Min	-448.042	17.637	2.160E-15
66	0.5062	SLE	Min	-449.387	11.456	1.403E-15
66	0.	SLU	Max	-580.707	30.963	3.792E-15
66	0.2531	SLU	Max	-582.455	22.928	2.808E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
66	0.5062	SLU	Max	-584.203	14.892	1.824E-15
66	0.	SLU	Min	-580.707	30.963	3.792E-15
66	0.2531	SLU	Min	-582.455	22.928	2.808E-15
66	0.5062	SLU	Min	-584.203	14.892	1.824E-15
66	0.	SLV_DX_D	Max	-877.577	-103.823	-1.271E-14
66	0.2531	SLV_DX_D	Max	-881.525	-110.668	-1.355E-14
66	0.5062	SLV_DX_D	Max	-885.474	-117.512	-1.439E-14
66	0.	SLV_DX_D	Min	-877.577	-103.823	-1.271E-14
66	0.2531	SLV_DX_D	Min	-881.525	-110.668	-1.355E-14
66	0.5062	SLV_DX_D	Min	-885.474	-117.512	-1.439E-14
66	0.	SLV_SX_D	Max	-954.568	64.408	7.888E-15
66	0.2531	SLV_SX_D	Max	-953.82	56.541	6.924E-15
66	0.5062	SLV_SX_D	Max	-953.071	48.675	5.961E-15
66	0.	SLV_SX_D	Min	-954.568	64.408	7.888E-15
66	0.2531	SLV_SX_D	Min	-953.82	56.541	6.924E-15
66	0.5062	SLV_SX_D	Min	-953.071	48.675	5.961E-15
66	0.	SLV_DX_U	Max	-902.31	-146.746	-1.797E-14
66	0.2531	SLV_DX_U	Max	-905.748	-151.241	-1.852E-14
66	0.5062	SLV_DX_U	Max	-909.186	-155.737	-1.907E-14
66	0.	SLV_DX_U	Min	-902.31	-146.746	-1.797E-14
66	0.2531	SLV_DX_U	Min	-905.748	-151.241	-1.852E-14
66	0.5062	SLV_DX_U	Min	-909.186	-155.737	-1.907E-14
66	0.	SLV_SX_U	Max	-973.545	55.128	6.751E-15
66	0.2531	SLV_SX_U	Max	-972.285	49.61	6.075E-15
66	0.5062	SLV_SX_U	Max	-971.025	44.093	5.400E-15
66	0.	SLV_SX_U	Min	-973.545	55.128	6.751E-15
66	0.2531	SLV_SX_U	Min	-972.285	49.61	6.075E-15
66	0.5062	SLV_SX_U	Min	-971.025	44.093	5.400E-15
67	0.	SLE	Max	-450.213	23.213	2.843E-15
67	0.2531	SLE	Max	-451.262	16.975	2.079E-15
67	0.5062	SLE	Max	-452.311	10.737	1.315E-15
67	0.	SLE	Min	-450.213	23.213	2.843E-15
67	0.2531	SLE	Min	-451.262	16.975	2.079E-15
67	0.5062	SLE	Min	-452.311	10.737	1.315E-15
67	0.	SLU	Max	-585.277	30.177	3.696E-15
67	0.2531	SLU	Max	-586.641	22.068	2.703E-15
67	0.5062	SLU	Max	-588.004	13.958	1.709E-15
67	0.	SLU	Min	-585.277	30.177	3.696E-15
67	0.2531	SLU	Min	-586.641	22.068	2.703E-15
67	0.5062	SLU	Min	-588.004	13.958	1.709E-15
67	0.	SLV_DX_D	Max	-880.165	-102.382	-1.254E-14
67	0.2531	SLV_DX_D	Max	-883.784	-109.406	-1.340E-14
67	0.5062	SLV_DX_D	Max	-887.402	-116.431	-1.426E-14
67	0.	SLV_DX_D	Min	-880.165	-102.382	-1.254E-14
67	0.2531	SLV_DX_D	Min	-883.784	-109.406	-1.340E-14
67	0.5062	SLV_DX_D	Min	-887.402	-116.431	-1.426E-14
67	0.	SLV_SX_D	Max	-956.242	81.176	9.941E-15
67	0.2531	SLV_SX_D	Max	-955.12	73.355	8.983E-15
67	0.5062	SLV_SX_D	Max	-953.997	65.533	8.025E-15
67	0.	SLV_SX_D	Min	-956.242	81.176	9.941E-15
67	0.2531	SLV_SX_D	Min	-955.12	73.355	8.983E-15
67	0.5062	SLV_SX_D	Min	-953.997	65.533	8.025E-15
67	0.	SLV_DX_U	Max	-901.928	-145.11	-1.777E-14
67	0.2531	SLV_DX_U	Max	-905.148	-149.765	-1.834E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
67	0.5062	SLV_DX_U	Max	-908.368	-154.419	-1.891E-14
67	0.	SLV_DX_U	Min	-901.928	-145.11	-1.777E-14
67	0.2531	SLV_DX_U	Min	-905.148	-149.765	-1.834E-14
67	0.5062	SLV_DX_U	Min	-908.368	-154.419	-1.891E-14
67	0.	SLV_SX_U	Max	-974.035	78.17	9.573E-15
67	0.2531	SLV_SX_U	Max	-972.515	72.719	8.905E-15
67	0.5062	SLV_SX_U	Max	-970.994	67.267	8.238E-15
67	0.	SLV_SX_U	Min	-974.035	78.17	9.573E-15
67	0.2531	SLV_SX_U	Min	-972.515	72.719	8.905E-15
67	0.5062	SLV_SX_U	Min	-970.994	67.267	8.238E-15
68	0.	SLE	Max	-453.05	20.2	2.474E-15
68	0.2531	SLE	Max	-453.801	13.919	1.705E-15
68	0.5062	SLE	Max	-454.552	7.638	9.354E-16
68	0.	SLE	Min	-453.05	20.2	2.474E-15
68	0.2531	SLE	Min	-453.801	13.919	1.705E-15
68	0.5062	SLE	Min	-454.552	7.638	9.354E-16
68	0.	SLU	Max	-588.964	26.26	3.216E-15
68	0.2531	SLU	Max	-589.941	18.095	2.216E-15
68	0.5062	SLU	Max	-590.917	9.93	1.216E-15
68	0.	SLU	Min	-588.964	26.26	3.216E-15
68	0.2531	SLU	Min	-589.941	18.095	2.216E-15
68	0.5062	SLU	Min	-590.917	9.93	1.216E-15
68	0.	SLV_DX_D	Max	-882.188	-99.583	-1.220E-14
68	0.2531	SLV_DX_D	Max	-885.468	-106.772	-1.308E-14
68	0.5062	SLV_DX_D	Max	-888.749	-113.961	-1.396E-14
68	0.	SLV_DX_D	Min	-882.188	-99.583	-1.220E-14
68	0.2531	SLV_DX_D	Min	-885.468	-106.772	-1.308E-14
68	0.5062	SLV_DX_D	Min	-888.749	-113.961	-1.396E-14
68	0.	SLV_SX_D	Max	-957.887	94.433	1.156E-14
68	0.2531	SLV_SX_D	Max	-956.394	86.673	1.061E-14
68	0.5062	SLV_SX_D	Max	-954.901	78.913	9.664E-15
68	0.	SLV_SX_D	Min	-957.887	94.433	1.156E-14
68	0.2531	SLV_SX_D	Min	-956.394	86.673	1.061E-14
68	0.5062	SLV_SX_D	Min	-954.901	78.913	9.664E-15
68	0.	SLV_DX_U	Max	-901.281	-139.311	-1.706E-14
68	0.2531	SLV_DX_U	Max	-904.276	-144.113	-1.765E-14
68	0.5062	SLV_DX_U	Max	-907.271	-148.915	-1.824E-14
68	0.	SLV_DX_U	Min	-901.281	-139.311	-1.706E-14
68	0.2531	SLV_DX_U	Min	-904.276	-144.113	-1.765E-14
68	0.5062	SLV_DX_U	Min	-907.271	-148.915	-1.824E-14
68	0.	SLV_SX_U	Max	-975.044	98.565	1.207E-14
68	0.2531	SLV_SX_U	Max	-973.265	93.193	1.141E-14
68	0.5062	SLV_SX_U	Max	-971.487	87.82	1.075E-14
68	0.	SLV_SX_U	Min	-975.044	98.565	1.207E-14
68	0.2531	SLV_SX_U	Min	-973.265	93.193	1.141E-14
68	0.5062	SLV_SX_U	Min	-971.487	87.82	1.075E-14
69	0.	SLE	Max	-455.105	15.495	1.898E-15
69	0.2531	SLE	Max	-455.556	9.185	1.125E-15
69	0.5062	SLE	Max	-456.008	2.876	3.522E-16
69	0.	SLE	Min	-455.105	15.495	1.898E-15
69	0.2531	SLE	Min	-455.556	9.185	1.125E-15
69	0.5062	SLE	Min	-456.008	2.876	3.522E-16
69	0.	SLU	Max	-591.637	20.144	2.467E-15
69	0.2531	SLU	Max	-592.223	11.941	1.462E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
69	0.5062	SLU	Max	-592.81	3.739	4.579E-16
69	0.	SLU	Min	-591.637	20.144	2.467E-15
69	0.2531	SLU	Min	-592.223	11.941	1.462E-15
69	0.5062	SLU	Min	-592.81	3.739	4.579E-16
69	0.	SLV_DX_D	Max	-883.683	-95.852	-1.174E-14
69	0.2531	SLV_DX_D	Max	-886.618	-103.189	-1.264E-14
69	0.5062	SLV_DX_D	Max	-889.552	-110.526	-1.354E-14
69	0.	SLV_DX_D	Min	-883.683	-95.852	-1.174E-14
69	0.2531	SLV_DX_D	Min	-886.618	-103.189	-1.264E-14
69	0.5062	SLV_DX_D	Min	-889.552	-110.526	-1.354E-14
69	0.	SLV_SX_D	Max	-959.366	105.107	1.287E-14
69	0.2531	SLV_SX_D	Max	-957.506	97.427	1.193E-14
69	0.5062	SLV_SX_D	Max	-955.645	89.747	1.099E-14
69	0.	SLV_SX_D	Min	-959.366	105.107	1.287E-14
69	0.2531	SLV_SX_D	Min	-957.506	97.427	1.193E-14
69	0.5062	SLV_SX_D	Min	-955.645	89.747	1.099E-14
69	0.	SLV_DX_U	Max	-900.527	-130.499	-1.598E-14
69	0.2531	SLV_DX_U	Max	-903.29	-135.438	-1.659E-14
69	0.5062	SLV_DX_U	Max	-906.053	-140.377	-1.719E-14
69	0.	SLV_DX_U	Min	-900.527	-130.499	-1.598E-14
69	0.2531	SLV_DX_U	Min	-903.29	-135.438	-1.659E-14
69	0.5062	SLV_DX_U	Min	-906.053	-140.377	-1.719E-14
69	0.	SLV_SX_U	Max	-976.463	116.826	1.431E-14
69	0.2531	SLV_SX_U	Max	-974.431	111.544	1.366E-14
69	0.5062	SLV_SX_U	Max	-972.399	106.262	1.301E-14
69	0.	SLV_SX_U	Min	-976.463	116.826	1.431E-14
69	0.2531	SLV_SX_U	Min	-974.431	111.544	1.366E-14
69	0.5062	SLV_SX_U	Min	-972.399	106.262	1.301E-14
70	0.	SLE	Max	-456.313	9.789	1.199E-15
70	0.2531	SLE	Max	-456.464	3.465	4.243E-16
70	0.5062	SLE	Max	-456.614	-2.859	-3.501E-16
70	0.	SLE	Min	-456.313	9.789	1.199E-15
70	0.2531	SLE	Min	-456.464	3.465	4.243E-16
70	0.5062	SLE	Min	-456.614	-2.859	-3.501E-16
70	0.	SLU	Max	-593.207	12.725	1.558E-15
70	0.2531	SLU	Max	-593.403	4.504	5.516E-16
70	0.5062	SLU	Max	-593.599	-3.717	-4.552E-16
70	0.	SLU	Min	-593.207	12.725	1.558E-15
70	0.2531	SLU	Min	-593.403	4.504	5.516E-16
70	0.5062	SLU	Min	-593.599	-3.717	-4.552E-16
70	0.	SLV_DX_D	Max	-884.678	-91.353	-1.119E-14
70	0.2531	SLV_DX_D	Max	-887.26	-98.821	-1.210E-14
70	0.5062	SLV_DX_D	Max	-889.842	-106.289	-1.302E-14
70	0.	SLV_DX_D	Min	-884.678	-91.353	-1.119E-14
70	0.2531	SLV_DX_D	Min	-887.26	-98.821	-1.210E-14
70	0.5062	SLV_DX_D	Min	-889.842	-106.289	-1.302E-14
70	0.	SLV_SX_D	Max	-960.581	113.928	1.395E-14
70	0.2531	SLV_SX_D	Max	-958.357	106.345	1.302E-14
70	0.5062	SLV_SX_D	Max	-956.133	98.763	1.209E-14
70	0.	SLV_SX_D	Min	-960.581	113.928	1.395E-14
70	0.2531	SLV_SX_D	Min	-958.357	106.345	1.302E-14
70	0.5062	SLV_SX_D	Min	-956.133	98.763	1.209E-14
70	0.	SLV_DX_U	Max	-899.776	-119.48	-1.463E-14
70	0.2531	SLV_DX_U	Max	-902.301	-124.545	-1.525E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
70	0.5062	SLV_DX_U	Max	-904.826	-129.611	-1.587E-14
70	0.	SLV_DX_U	Min	-899.776	-119.48	-1.463E-14
70	0.2531	SLV_DX_U	Min	-902.301	-124.545	-1.525E-14
70	0.5062	SLV_DX_U	Min	-904.826	-129.611	-1.587E-14
70	0.	SLV_SX_U	Max	-978.207	133.249	1.632E-14
70	0.2531	SLV_SX_U	Max	-975.926	128.069	1.568E-14
70	0.5062	SLV_SX_U	Max	-973.645	122.89	1.505E-14
70	0.	SLV_SX_U	Min	-978.207	133.249	1.632E-14
70	0.2531	SLV_SX_U	Min	-975.926	128.069	1.568E-14
70	0.5062	SLV_SX_U	Min	-973.645	122.89	1.505E-14
71	0.	SLE	Max	-456.64	3.752	4.595E-16
71	0.2531	SLE	Max	-456.49	-2.572	-3.149E-16
71	0.5062	SLE	Max	-456.339	-8.896	-1.089E-15
71	0.	SLE	Min	-456.64	3.752	4.595E-16
71	0.2531	SLE	Min	-456.49	-2.572	-3.149E-16
71	0.5062	SLE	Min	-456.339	-8.896	-1.089E-15
71	0.	SLU	Max	-593.633	4.878	5.974E-16
71	0.2531	SLU	Max	-593.437	-3.343	-4.094E-16
71	0.5062	SLU	Max	-593.241	-11.564	-1.416E-15
71	0.	SLU	Min	-593.633	4.878	5.974E-16
71	0.2531	SLU	Min	-593.437	-3.343	-4.094E-16
71	0.5062	SLU	Min	-593.241	-11.564	-1.416E-15
71	0.	SLV_DX_D	Max	-885.199	-85.997	-1.053E-14
71	0.2531	SLV_DX_D	Max	-887.422	-93.58	-1.146E-14
71	0.5062	SLV_DX_D	Max	-889.646	-101.162	-1.239E-14
71	0.	SLV_DX_D	Min	-885.199	-85.997	-1.053E-14
71	0.2531	SLV_DX_D	Min	-887.422	-93.58	-1.146E-14
71	0.5062	SLV_DX_D	Min	-889.646	-101.162	-1.239E-14
71	0.	SLV_SX_D	Max	-961.463	121.395	1.487E-14
71	0.2531	SLV_SX_D	Max	-958.88	113.927	1.395E-14
71	0.5062	SLV_SX_D	Max	-956.298	106.459	1.304E-14
71	0.	SLV_SX_D	Min	-961.463	121.395	1.487E-14
71	0.2531	SLV_SX_D	Min	-958.88	113.927	1.395E-14
71	0.5062	SLV_SX_D	Min	-956.298	106.459	1.304E-14
71	0.	SLV_DX_U	Max	-899.112	-106.733	-1.307E-14
71	0.2531	SLV_DX_U	Max	-901.393	-111.913	-1.371E-14
71	0.5062	SLV_DX_U	Max	-903.674	-117.092	-1.434E-14
71	0.	SLV_DX_U	Min	-899.112	-106.733	-1.307E-14
71	0.2531	SLV_DX_U	Min	-901.393	-111.913	-1.371E-14
71	0.5062	SLV_DX_U	Min	-903.674	-117.092	-1.434E-14
71	0.	SLV_SX_U	Max	-980.2	147.864	1.811E-14
71	0.2531	SLV_SX_U	Max	-977.675	142.798	1.749E-14
71	0.5062	SLV_SX_U	Max	-975.15	137.733	1.687E-14
71	0.	SLV_SX_U	Min	-980.2	147.864	1.811E-14
71	0.2531	SLV_SX_U	Min	-977.675	142.798	1.749E-14
71	0.5062	SLV_SX_U	Min	-975.15	137.733	1.687E-14
72	0.	SLE	Max	-456.087	-1.955	-2.394E-16
72	0.2531	SLE	Max	-455.636	-8.265	-1.012E-15
72	0.5062	SLE	Max	-455.185	-14.574	-1.785E-15
72	0.	SLE	Min	-456.087	-1.955	-2.394E-16
72	0.2531	SLE	Min	-455.636	-8.265	-1.012E-15
72	0.5062	SLE	Min	-455.185	-14.574	-1.785E-15
72	0.	SLU	Max	-592.913	-2.541	-3.112E-16
72	0.2531	SLU	Max	-592.327	-10.744	-1.316E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
72	0.5062	SLU	Max	-591.74	-18.946	-2.320E-15
72	0.	SLU	Min	-592.913	-2.541	-3.112E-16
72	0.2531	SLU	Min	-592.327	-10.744	-1.316E-15
72	0.5062	SLU	Min	-591.74	-18.946	-2.320E-15
72	0.	SLV_DX_D	Max	-885.282	-79.466	-9.732E-15
72	0.2531	SLV_DX_D	Max	-887.143	-87.146	-1.067E-14
72	0.5062	SLV_DX_D	Max	-889.003	-94.826	-1.161E-14
72	0.	SLV_DX_D	Min	-885.282	-79.466	-9.732E-15
72	0.2531	SLV_DX_D	Min	-887.143	-87.146	-1.067E-14
72	0.5062	SLV_DX_D	Min	-889.003	-94.826	-1.161E-14
72	0.	SLV_SX_D	Max	-961.965	127.743	1.564E-14
72	0.2531	SLV_SX_D	Max	-959.03	120.406	1.475E-14
72	0.5062	SLV_SX_D	Max	-956.096	113.069	1.385E-14
72	0.	SLV_SX_D	Min	-961.965	127.743	1.564E-14
72	0.2531	SLV_SX_D	Min	-959.03	120.406	1.475E-14
72	0.5062	SLV_SX_D	Min	-956.096	113.069	1.385E-14
72	0.	SLV_DX_U	Max	-898.599	-92.444	-1.132E-14
72	0.2531	SLV_DX_U	Max	-900.632	-97.726	-1.197E-14
72	0.5062	SLV_DX_U	Max	-902.664	-103.008	-1.261E-14
72	0.	SLV_DX_U	Min	-898.599	-92.444	-1.132E-14
72	0.2531	SLV_DX_U	Min	-900.632	-97.726	-1.197E-14
72	0.5062	SLV_DX_U	Min	-902.664	-103.008	-1.261E-14
72	0.	SLV_SX_U	Max	-982.358	160.384	1.964E-14
72	0.2531	SLV_SX_U	Max	-979.595	155.445	1.904E-14
72	0.5062	SLV_SX_U	Max	-976.832	150.506	1.843E-14
72	0.	SLV_SX_U	Min	-982.358	160.384	1.964E-14
72	0.2531	SLV_SX_U	Min	-979.595	155.445	1.904E-14
72	0.5062	SLV_SX_U	Min	-976.832	150.506	1.843E-14
73	0.	SLE	Max	-454.686	-6.664	-8.161E-16
73	0.2531	SLE	Max	-453.935	-12.945	-1.585E-15
73	0.5062	SLE	Max	-453.184	-19.226	-2.354E-15
73	0.	SLE	Min	-454.686	-6.664	-8.161E-16
73	0.2531	SLE	Min	-453.935	-12.945	-1.585E-15
73	0.5062	SLE	Min	-453.184	-19.226	-2.354E-15
73	0.	SLU	Max	-591.092	-8.663	-1.061E-15
73	0.2531	SLU	Max	-590.115	-16.828	-2.061E-15
73	0.5062	SLU	Max	-589.139	-24.993	-3.061E-15
73	0.	SLU	Min	-591.092	-8.663	-1.061E-15
73	0.2531	SLU	Min	-590.115	-16.828	-2.061E-15
73	0.5062	SLU	Min	-589.139	-24.993	-3.061E-15
73	0.	SLV_DX_D	Max	-884.988	-71.207	-8.720E-15
73	0.2531	SLV_DX_D	Max	-886.481	-78.967	-9.671E-15
73	0.5062	SLV_DX_D	Max	-887.975	-86.727	-1.062E-14
73	0.	SLV_DX_D	Min	-884.988	-71.207	-8.720E-15
73	0.2531	SLV_DX_D	Min	-886.481	-78.967	-9.671E-15
73	0.5062	SLV_DX_D	Min	-887.975	-86.727	-1.062E-14
73	0.	SLV_SX_D	Max	-962.046	132.939	1.628E-14
73	0.2531	SLV_SX_D	Max	-958.765	125.75	1.540E-14
73	0.5062	SLV_SX_D	Max	-955.485	118.561	1.452E-14
73	0.	SLV_SX_D	Min	-962.046	132.939	1.628E-14
73	0.2531	SLV_SX_D	Min	-958.765	125.75	1.540E-14
73	0.5062	SLV_SX_D	Min	-955.485	118.561	1.452E-14
73	0.	SLV_DX_U	Max	-898.306	-76.523	-9.371E-15
73	0.2531	SLV_DX_U	Max	-900.084	-81.896	-1.003E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
73	0.5062	SLV_DX_U	Max	-901.863	-87.268	-1.069E-14
73	0.	SLV_DX_U	Min	-898.306	-76.523	-9.371E-15
73	0.2531	SLV_DX_U	Min	-900.084	-81.896	-1.003E-14
73	0.5062	SLV_DX_U	Min	-901.863	-87.268	-1.069E-14
73	0.	SLV_SX_U	Max	-984.58	170.19	2.084E-14
73	0.2531	SLV_SX_U	Max	-981.585	165.388	2.025E-14
73	0.5062	SLV_SX_U	Max	-978.59	160.586	1.967E-14
73	0.	SLV_SX_U	Min	-984.58	170.19	2.084E-14
73	0.2531	SLV_SX_U	Min	-981.585	165.388	2.025E-14
73	0.5062	SLV_SX_U	Min	-978.59	160.586	1.967E-14
74	0.	SLE	Max	-452.504	-9.688	-1.186E-15
74	0.2531	SLE	Max	-451.455	-15.927	-1.950E-15
74	0.5062	SLE	Max	-450.406	-22.165	-2.714E-15
74	0.	SLE	Min	-452.504	-9.688	-1.186E-15
74	0.2531	SLE	Min	-451.455	-15.927	-1.950E-15
74	0.5062	SLE	Min	-450.406	-22.165	-2.714E-15
74	0.	SLU	Max	-588.255	-12.595	-1.542E-15
74	0.2531	SLU	Max	-586.891	-20.704	-2.536E-15
74	0.5062	SLU	Max	-585.527	-28.814	-3.529E-15
74	0.	SLU	Min	-588.255	-12.595	-1.542E-15
74	0.2531	SLU	Min	-586.891	-20.704	-2.536E-15
74	0.5062	SLU	Min	-585.527	-28.814	-3.529E-15
74	0.	SLV_DX_D	Max	-884.411	-60.462	-7.405E-15
74	0.2531	SLV_DX_D	Max	-885.533	-68.284	-8.362E-15
74	0.5062	SLV_DX_D	Max	-886.655	-76.106	-9.320E-15
74	0.	SLV_DX_D	Min	-884.411	-60.462	-7.405E-15
74	0.2531	SLV_DX_D	Min	-885.533	-68.284	-8.362E-15
74	0.5062	SLV_DX_D	Min	-886.655	-76.106	-9.320E-15
74	0.	SLV_SX_D	Max	-961.656	136.658	1.674E-14
74	0.2531	SLV_SX_D	Max	-958.037	129.633	1.588E-14
74	0.5062	SLV_SX_D	Max	-954.418	122.609	1.502E-14
74	0.	SLV_SX_D	Min	-961.656	136.658	1.674E-14
74	0.2531	SLV_SX_D	Min	-958.037	129.633	1.588E-14
74	0.5062	SLV_SX_D	Min	-954.418	122.609	1.502E-14
74	0.	SLV_DX_U	Max	-898.307	-58.646	-7.182E-15
74	0.2531	SLV_DX_U	Max	-899.828	-64.098	-7.850E-15
74	0.5062	SLV_DX_U	Max	-901.349	-69.549	-8.517E-15
74	0.	SLV_DX_U	Min	-898.307	-58.646	-7.182E-15
74	0.2531	SLV_DX_U	Min	-899.828	-64.098	-7.850E-15
74	0.5062	SLV_DX_U	Min	-901.349	-69.549	-8.517E-15
74	0.	SLV_SX_U	Max	-986.725	176.287	2.159E-14
74	0.2531	SLV_SX_U	Max	-983.505	171.633	2.102E-14
74	0.5062	SLV_SX_U	Max	-980.285	166.979	2.045E-14
74	0.	SLV_SX_U	Min	-986.725	176.287	2.159E-14
74	0.2531	SLV_SX_U	Min	-983.505	171.633	2.102E-14
74	0.5062	SLV_SX_U	Min	-980.285	166.979	2.045E-14
75	0.	SLE	Max	-449.641	-10.318	-1.264E-15
75	0.2531	SLE	Max	-448.297	-16.5	-2.021E-15
75	0.5062	SLE	Max	-446.952	-22.681	-2.778E-15
75	0.	SLE	Min	-449.641	-10.318	-1.264E-15
75	0.2531	SLE	Min	-448.297	-16.5	-2.021E-15
75	0.5062	SLE	Min	-446.952	-22.681	-2.778E-15
75	0.	SLU	Max	-584.534	-13.414	-1.643E-15
75	0.2531	SLU	Max	-582.786	-21.449	-2.627E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
75	0.5062	SLU	Max	-581.038	-29.485	-3.611E-15
75	0.	SLU	Min	-584.534	-13.414	-1.643E-15
75	0.2531	SLU	Min	-582.786	-21.449	-2.627E-15
75	0.5062	SLU	Min	-581.038	-29.485	-3.611E-15
75	0.	SLV_DX_D	Max	-883.683	-46.291	-5.669E-15
75	0.2531	SLV_DX_D	Max	-884.432	-54.157	-6.632E-15
75	0.5062	SLV_DX_D	Max	-885.181	-62.024	-7.596E-15
75	0.	SLV_DX_D	Min	-883.683	-46.291	-5.669E-15
75	0.2531	SLV_DX_D	Min	-884.432	-54.157	-6.632E-15
75	0.5062	SLV_DX_D	Min	-885.181	-62.024	-7.596E-15
75	0.	SLV_SX_D	Max	-960.726	138.268	1.693E-14
75	0.2531	SLV_SX_D	Max	-956.778	131.423	1.609E-14
75	0.5062	SLV_SX_D	Max	-952.829	124.579	1.526E-14
75	0.	SLV_SX_D	Min	-960.726	138.268	1.693E-14
75	0.2531	SLV_SX_D	Min	-956.778	131.423	1.609E-14
75	0.5062	SLV_SX_D	Min	-952.829	124.579	1.526E-14
75	0.	SLV_DX_U	Max	-898.702	-38.302	-4.691E-15
75	0.2531	SLV_DX_U	Max	-899.962	-43.82	-5.366E-15
75	0.5062	SLV_DX_U	Max	-901.221	-49.337	-6.042E-15
75	0.	SLV_DX_U	Min	-898.702	-38.302	-4.691E-15
75	0.2531	SLV_DX_U	Min	-899.962	-43.82	-5.366E-15
75	0.5062	SLV_DX_U	Min	-901.221	-49.337	-6.042E-15
75	0.	SLV_SX_U	Max	-988.599	177.281	2.171E-14
75	0.2531	SLV_SX_U	Max	-985.161	172.785	2.116E-14
75	0.5062	SLV_SX_U	Max	-981.723	168.29	2.061E-14
75	0.	SLV_SX_U	Min	-988.599	177.281	2.171E-14
75	0.2531	SLV_SX_U	Min	-985.161	172.785	2.116E-14
75	0.5062	SLV_SX_U	Min	-981.723	168.29	2.061E-14
76	0.	SLE	Max	-446.237	-7.808	-9.562E-16
76	0.2531	SLE	Max	-444.599	-13.918	-1.704E-15
76	0.5062	SLE	Max	-442.962	-20.028	-2.453E-15
76	0.	SLE	Min	-446.237	-7.808	-9.562E-16
76	0.2531	SLE	Min	-444.599	-13.918	-1.704E-15
76	0.5062	SLE	Min	-442.962	-20.028	-2.453E-15
76	0.	SLU	Max	-580.108	-10.15	-1.243E-15
76	0.2531	SLU	Max	-577.979	-18.094	-2.216E-15
76	0.5062	SLU	Max	-575.851	-26.037	-3.189E-15
76	0.	SLU	Min	-580.108	-10.15	-1.243E-15
76	0.2531	SLU	Min	-577.979	-18.094	-2.216E-15
76	0.5062	SLU	Min	-575.851	-26.037	-3.189E-15
76	0.	SLV_DX_D	Max	-882.992	-27.59	-3.379E-15
76	0.2531	SLV_DX_D	Max	-883.366	-35.483	-4.345E-15
76	0.5062	SLV_DX_D	Max	-883.739	-43.376	-5.312E-15
76	0.	SLV_DX_D	Min	-882.992	-27.59	-3.379E-15
76	0.2531	SLV_DX_D	Min	-883.366	-35.483	-4.345E-15
76	0.5062	SLV_DX_D	Min	-883.739	-43.376	-5.312E-15
76	0.	SLV_SX_D	Max	-959.152	136.83	1.676E-14
76	0.2531	SLV_SX_D	Max	-954.881	130.181	1.594E-14
76	0.5062	SLV_SX_D	Max	-950.611	123.532	1.513E-14
76	0.	SLV_SX_D	Min	-959.152	136.83	1.676E-14
76	0.2531	SLV_SX_D	Min	-954.881	130.181	1.594E-14
76	0.5062	SLV_SX_D	Min	-950.611	123.532	1.513E-14
76	0.	SLV_DX_U	Max	-899.617	-14.822	-1.815E-15
76	0.2531	SLV_DX_U	Max	-900.612	-20.393	-2.497E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
76	0.5062	SLV_DX_U	Max	-901.608	-25.965	-3.180E-15
76	0.	SLV_DX_U	Min	-899.617	-14.822	-1.815E-15
76	0.2531	SLV_DX_U	Min	-900.612	-20.393	-2.497E-15
76	0.5062	SLV_DX_U	Min	-901.608	-25.965	-3.180E-15
76	0.	SLV_SX_U	Max	-989.929	171.379	2.099E-14
76	0.2531	SLV_SX_U	Max	-986.281	167.052	2.046E-14
76	0.5062	SLV_SX_U	Max	-982.633	162.725	1.993E-14
76	0.	SLV_SX_U	Min	-989.929	171.379	2.099E-14
76	0.2531	SLV_SX_U	Min	-986.281	167.052	2.046E-14
76	0.5062	SLV_SX_U	Min	-982.633	162.725	1.993E-14
77	0.	SLE	Max	-442.464	-1.379	-1.689E-16
77	0.2531	SLE	Max	-440.538	-7.405	-9.068E-16
77	0.5062	SLE	Max	-438.612	-13.43	-1.645E-15
77	0.	SLE	Min	-442.464	-1.379	-1.689E-16
77	0.2531	SLE	Min	-440.538	-7.405	-9.068E-16
77	0.5062	SLE	Min	-438.612	-13.43	-1.645E-15
77	0.	SLU	Max	-575.203	-1.793	-2.196E-16
77	0.2531	SLU	Max	-572.699	-9.626	-1.179E-15
77	0.5062	SLU	Max	-570.195	-17.459	-2.138E-15
77	0.	SLU	Min	-575.203	-1.793	-2.196E-16
77	0.2531	SLU	Min	-572.699	-9.626	-1.179E-15
77	0.5062	SLU	Min	-570.195	-17.459	-2.138E-15
77	0.	SLV_DX_D	Max	-882.579	-3.136	-3.841E-16
77	0.2531	SLV_DX_D	Max	-882.576	-11.038	-1.352E-15
77	0.5062	SLV_DX_D	Max	-882.574	-18.94	-2.320E-15
77	0.	SLV_DX_D	Min	-882.579	-3.136	-3.841E-16
77	0.2531	SLV_DX_D	Min	-882.576	-11.038	-1.352E-15
77	0.5062	SLV_DX_D	Min	-882.574	-18.94	-2.320E-15
77	0.	SLV_SX_D	Max	-956.774	131.093	1.605E-14
77	0.2531	SLV_SX_D	Max	-952.193	124.655	1.527E-14
77	0.5062	SLV_SX_D	Max	-947.611	118.217	1.448E-14
77	0.	SLV_SX_D	Min	-956.774	131.093	1.605E-14
77	0.2531	SLV_SX_D	Min	-952.193	124.655	1.527E-14
77	0.5062	SLV_SX_D	Min	-947.611	118.217	1.448E-14
77	0.	SLV_DX_U	Max	-901.214	12.56	1.538E-15
77	0.2531	SLV_DX_U	Max	-901.944	6.947	8.508E-16
77	0.5062	SLV_DX_U	Max	-902.673	1.335	1.635E-16
77	0.	SLV_DX_U	Min	-901.214	12.56	1.538E-15
77	0.2531	SLV_DX_U	Min	-901.944	6.947	8.508E-16
77	0.5062	SLV_DX_U	Min	-902.673	1.335	1.635E-16
77	0.	SLV_SX_U	Max	-990.351	156.383	1.915E-14
77	0.2531	SLV_SX_U	Max	-986.501	152.234	1.864E-14
77	0.5062	SLV_SX_U	Max	-982.651	148.086	1.814E-14
77	0.	SLV_SX_U	Min	-990.351	156.383	1.915E-14
77	0.2531	SLV_SX_U	Min	-986.501	152.234	1.864E-14
77	0.5062	SLV_SX_U	Min	-982.651	148.086	1.814E-14
78	0.	SLE	Max	-438.537	9.768	1.196E-15
78	0.2531	SLE	Max	-436.327	3.841	4.704E-16
78	0.5062	SLE	Max	-434.116	-2.085	-2.554E-16
78	0.	SLE	Min	-438.537	9.768	1.196E-15
78	0.2531	SLE	Min	-436.327	3.841	4.704E-16
78	0.5062	SLE	Min	-434.116	-2.085	-2.554E-16
78	0.	SLU	Max	-570.099	12.699	1.555E-15
78	0.2531	SLU	Max	-567.225	4.994	6.116E-16

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
78	0.5062	SLU	Max	-564.351	-2.711	-3.320E-16
78	0.	SLU	Min	-570.099	12.699	1.555E-15
78	0.2531	SLU	Min	-567.225	4.994	6.116E-16
78	0.5062	SLU	Min	-564.351	-2.711	-3.320E-16
78	0.	SLV_DX_D	Max	-882.748	28.362	3.473E-15
78	0.2531	SLV_DX_D	Max	-882.37	20.469	2.507E-15
78	0.5062	SLV_DX_D	Max	-881.991	12.576	1.540E-15
78	0.	SLV_DX_D	Min	-882.748	28.362	3.473E-15
78	0.2531	SLV_DX_D	Min	-882.37	20.469	2.507E-15
78	0.5062	SLV_DX_D	Min	-881.991	12.576	1.540E-15
78	0.	SLV_SX_D	Max	-953.373	119.499	1.463E-14
78	0.2531	SLV_SX_D	Max	-948.491	113.286	1.387E-14
78	0.5062	SLV_SX_D	Max	-943.608	107.073	1.311E-14
78	0.	SLV_SX_D	Min	-953.373	119.499	1.463E-14
78	0.2531	SLV_SX_D	Min	-948.491	113.286	1.387E-14
78	0.5062	SLV_SX_D	Min	-943.608	107.073	1.311E-14
78	0.	SLV_DX_U	Max	-903.696	44.647	5.468E-15
78	0.2531	SLV_DX_U	Max	-904.158	39.007	4.777E-15
78	0.5062	SLV_DX_U	Max	-904.619	33.366	4.086E-15
78	0.	SLV_DX_U	Min	-903.696	44.647	5.468E-15
78	0.2531	SLV_DX_U	Min	-904.158	39.007	4.777E-15
78	0.5062	SLV_DX_U	Min	-904.619	33.366	4.086E-15
78	0.	SLV_SX_U	Max	-989.387	129.711	1.588E-14
78	0.2531	SLV_SX_U	Max	-985.345	125.75	1.540E-14
78	0.5062	SLV_SX_U	Max	-981.302	121.789	1.491E-14
78	0.	SLV_SX_U	Min	-989.387	129.711	1.588E-14
78	0.2531	SLV_SX_U	Min	-985.345	125.75	1.540E-14
78	0.5062	SLV_SX_U	Min	-981.302	121.789	1.491E-14
79	0.	SLE	Max	-434.71	26.439	3.238E-15
79	0.2531	SLE	Max	-432.22	20.624	2.526E-15
79	0.5062	SLE	Max	-429.73	14.809	1.814E-15
79	0.	SLE	Min	-434.71	26.439	3.238E-15
79	0.2531	SLE	Min	-432.22	20.624	2.526E-15
79	0.5062	SLE	Min	-429.73	14.809	1.814E-15
79	0.	SLU	Max	-565.123	34.371	4.209E-15
79	0.2531	SLU	Max	-561.886	26.811	3.283E-15
79	0.5062	SLU	Max	-558.649	19.252	2.358E-15
79	0.	SLU	Min	-565.123	34.371	4.209E-15
79	0.2531	SLU	Min	-561.886	26.811	3.283E-15
79	0.5062	SLU	Min	-558.649	19.252	2.358E-15
79	0.	SLV_DX_D	Max	-883.867	68.202	8.352E-15
79	0.2531	SLV_DX_D	Max	-883.113	60.336	7.389E-15
79	0.5062	SLV_DX_D	Max	-882.36	52.47	6.426E-15
79	0.	SLV_DX_D	Min	-883.867	68.202	8.352E-15
79	0.2531	SLV_DX_D	Min	-883.113	60.336	7.389E-15
79	0.5062	SLV_DX_D	Min	-882.36	52.47	6.426E-15
79	0.	SLV_SX_D	Max	-948.647	100.195	1.227E-14
79	0.2531	SLV_SX_D	Max	-943.474	94.221	1.154E-14
79	0.5062	SLV_SX_D	Max	-938.302	88.248	1.081E-14
79	0.	SLV_SX_D	Min	-948.647	100.195	1.227E-14
79	0.2531	SLV_SX_D	Min	-943.474	94.221	1.154E-14
79	0.5062	SLV_SX_D	Min	-938.302	88.248	1.081E-14
79	0.	SLV_DX_U	Max	-907.302	82.211	1.007E-14
79	0.2531	SLV_DX_U	Max	-907.494	76.555	9.375E-15

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
79	0.5062	SLV_DX_U	Max	-907.687	70.899	8.683E-15
79	0.	SLV_DX_U	Min	-907.302	82.211	1.007E-14
79	0.2531	SLV_DX_U	Min	-907.494	76.555	9.375E-15
79	0.5062	SLV_DX_U	Min	-907.687	70.899	8.683E-15
79	0.	SLV_SX_U	Max	-986.431	88.435	1.083E-14
79	0.2531	SLV_SX_U	Max	-982.204	84.671	1.037E-14
79	0.5062	SLV_SX_U	Max	-977.977	80.907	9.908E-15
79	0.	SLV_SX_U	Min	-986.431	88.435	1.083E-14
79	0.2531	SLV_SX_U	Min	-982.204	84.671	1.037E-14
79	0.5062	SLV_SX_U	Min	-977.977	80.907	9.908E-15
80	0.	SLE	Max	-431.275	49.419	6.052E-15
80	0.2531	SLE	Max	-428.511	43.729	5.355E-15
80	0.5062	SLE	Max	-425.747	38.039	4.658E-15
80	0.	SLE	Min	-431.275	49.419	6.052E-15
80	0.2531	SLE	Min	-428.511	43.729	5.355E-15
80	0.5062	SLE	Min	-425.747	38.039	4.658E-15
80	0.	SLU	Max	-560.657	64.245	7.868E-15
80	0.2531	SLU	Max	-557.064	56.848	6.962E-15
80	0.5062	SLU	Max	-553.471	49.451	6.056E-15
80	0.	SLU	Min	-560.657	64.245	7.868E-15
80	0.2531	SLU	Min	-557.064	56.848	6.962E-15
80	0.5062	SLU	Min	-553.471	49.451	6.056E-15
80	0.	SLV_DX_D	Max	-886.364	117.619	1.440E-14
80	0.2531	SLV_DX_D	Max	-885.237	109.798	1.345E-14
80	0.5062	SLV_DX_D	Max	-884.11	101.977	1.249E-14
80	0.	SLV_DX_D	Min	-886.364	117.619	1.440E-14
80	0.2531	SLV_DX_D	Min	-885.237	109.798	1.345E-14
80	0.5062	SLV_DX_D	Min	-884.11	101.977	1.249E-14
80	0.	SLV_SX_D	Max	-942.201	71.085	8.705E-15
80	0.2531	SLV_SX_D	Max	-936.75	65.365	8.005E-15
80	0.5062	SLV_SX_D	Max	-931.298	59.644	7.304E-15
80	0.	SLV_SX_D	Min	-942.201	71.085	8.705E-15
80	0.2531	SLV_SX_D	Min	-936.75	65.365	8.005E-15
80	0.5062	SLV_SX_D	Min	-931.298	59.644	7.304E-15
80	0.	SLV_DX_U	Max	-912.306	125.923	1.542E-14
80	0.2531	SLV_DX_U	Max	-912.229	120.264	1.473E-14
80	0.5062	SLV_DX_U	Max	-912.153	114.605	1.404E-14
80	0.	SLV_DX_U	Min	-912.306	125.923	1.542E-14
80	0.2531	SLV_DX_U	Min	-912.229	120.264	1.473E-14
80	0.5062	SLV_DX_U	Min	-912.153	114.605	1.404E-14
80	0.	SLV_SX_U	Max	-980.727	34.446	4.218E-15
80	0.2531	SLV_SX_U	Max	-976.326	30.888	3.783E-15
80	0.5062	SLV_SX_U	Max	-971.925	27.329	3.347E-15
80	0.	SLV_SX_U	Min	-980.727	34.446	4.218E-15
80	0.2531	SLV_SX_U	Min	-976.326	30.888	3.783E-15
80	0.5062	SLV_SX_U	Min	-971.925	27.329	3.347E-15
81	0.	SLE	Max	-428.56	79.421	9.726E-15
81	0.2531	SLE	Max	-425.529	73.869	9.046E-15
81	0.5062	SLE	Max	-422.497	68.318	8.366E-15
81	0.	SLE	Min	-428.56	79.421	9.726E-15
81	0.2531	SLE	Min	-425.529	73.869	9.046E-15
81	0.5062	SLE	Min	-422.497	68.318	8.366E-15
81	0.	SLU	Max	-557.128	103.248	1.264E-14
81	0.2531	SLU	Max	-553.187	96.03	1.176E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
81	0.5062	SLU	Max	-549.246	88.813	1.088E-14
81	0.	SLU	Min	-557.128	103.248	1.264E-14
81	0.2531	SLU	Min	-553.187	96.03	1.176E-14
81	0.5062	SLU	Min	-549.246	88.813	1.088E-14
81	0.	SLV_DX_D	Max	-890.726	177.664	2.176E-14
81	0.2531	SLV_DX_D	Max	-889.228	169.905	2.081E-14
81	0.5062	SLV_DX_D	Max	-887.73	162.147	1.986E-14
81	0.	SLV_DX_D	Min	-890.726	177.664	2.176E-14
81	0.2531	SLV_DX_D	Min	-889.228	169.905	2.081E-14
81	0.5062	SLV_DX_D	Min	-887.73	162.147	1.986E-14
81	0.	SLV_SX_D	Max	-933.537	29.858	3.657E-15
81	0.2531	SLV_SX_D	Max	-927.819	24.403	2.989E-15
81	0.5062	SLV_SX_D	Max	-922.102	18.948	2.320E-15
81	0.	SLV_SX_D	Min	-933.537	29.858	3.657E-15
81	0.2531	SLV_SX_D	Min	-927.819	24.403	2.989E-15
81	0.5062	SLV_SX_D	Min	-922.102	18.948	2.320E-15
81	0.	SLV_DX_U	Max	-919.013	176.238	2.158E-14
81	0.2531	SLV_DX_U	Max	-918.667	170.589	2.089E-14
81	0.5062	SLV_DX_U	Max	-918.321	164.94	2.020E-14
81	0.	SLV_DX_U	Min	-919.013	176.238	2.158E-14
81	0.2531	SLV_DX_U	Min	-918.667	170.589	2.089E-14
81	0.5062	SLV_DX_U	Min	-918.321	164.94	2.020E-14
81	0.	SLV_SX_U	Max	-972.125	-18.954	-2.321E-15
81	0.2531	SLV_SX_U	Max	-967.56	-22.299	-2.731E-15
81	0.5062	SLV_SX_U	Max	-962.994	-25.644	-3.140E-15
81	0.	SLV_SX_U	Min	-972.125	-18.954	-2.321E-15
81	0.2531	SLV_SX_U	Min	-967.56	-22.299	-2.731E-15
81	0.5062	SLV_SX_U	Min	-962.994	-25.644	-3.140E-15
82	0.	SLE	Max	-525.587	232.09	2.569E-14
82	0.40189	SLE	Max	-517.567	219.336	2.413E-14
82	0.80378	SLE	Max	-509.546	206.582	2.256E-14
82	0.	SLE	Min	-525.587	232.09	2.569E-14
82	0.40189	SLE	Min	-517.567	219.336	2.413E-14
82	0.80378	SLE	Min	-509.546	206.582	2.256E-14
82	0.	SLU	Max	-683.264	301.717	3.340E-14
82	0.40189	SLU	Max	-672.837	285.137	3.136E-14
82	0.80378	SLU	Max	-662.409	268.557	2.933E-14
82	0.	SLU	Min	-683.264	301.717	3.340E-14
82	0.40189	SLU	Min	-672.837	285.137	3.136E-14
82	0.80378	SLU	Min	-662.409	268.557	2.933E-14
82	0.	SLV_DX_D	Max	-1000.665	331.141	3.665E-14
82	0.40189	SLV_DX_D	Max	-995.967	312.916	3.442E-14
82	0.80378	SLV_DX_D	Max	-991.268	294.691	3.219E-14
82	0.	SLV_DX_D	Min	-1000.665	331.141	3.665E-14
82	0.40189	SLV_DX_D	Min	-995.967	312.916	3.442E-14
82	0.80378	SLV_DX_D	Min	-991.268	294.691	3.219E-14
82	0.	SLV_SX_D	Max	-1041.712	154.879	1.719E-14
82	0.40189	SLV_SX_D	Max	-1027.321	142.749	1.570E-14
82	0.80378	SLV_SX_D	Max	-1012.929	130.62	1.422E-14
82	0.	SLV_SX_D	Min	-1041.712	154.879	1.719E-14
82	0.40189	SLV_SX_D	Min	-1027.321	142.749	1.570E-14
82	0.80378	SLV_SX_D	Min	-1012.929	130.62	1.422E-14
82	0.	SLV_DX_U	Max	-986.718	252.906	2.799E-14
82	0.40189	SLV_DX_U	Max	-985.068	239.528	2.635E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
82	0.80378	SLV_DX_U	Max	-983.418	226.149	2.471E-14
82	0.	SLV_DX_U	Min	-986.718	252.906	2.799E-14
82	0.40189	SLV_DX_U	Min	-985.068	239.528	2.635E-14
82	0.80378	SLV_DX_U	Min	-983.418	226.149	2.471E-14
82	0.	SLV_SX_U	Max	-1041.304	45.055	5.047E-15
82	0.40189	SLV_SX_U	Max	-1029.96	37.773	4.155E-15
82	0.80378	SLV_SX_U	Max	-1018.617	30.49	3.263E-15
82	0.	SLV_SX_U	Min	-1041.304	45.055	5.047E-15
82	0.40189	SLV_SX_U	Min	-1029.96	37.773	4.155E-15
82	0.80378	SLV_SX_U	Min	-1018.617	30.49	3.263E-15
83	0.	SLE	Max	-777.683	510.801	5.634E-14
83	0.40189	SLE	Max	-768.722	498.689	5.486E-14
83	0.80378	SLE	Max	-759.76	486.578	5.337E-14
83	0.	SLE	Min	-777.683	510.801	5.634E-14
83	0.40189	SLE	Min	-768.722	498.689	5.486E-14
83	0.80378	SLE	Min	-759.76	486.578	5.337E-14
83	0.	SLU	Max	-1010.988	664.042	7.324E-14
83	0.40189	SLU	Max	-999.338	648.296	7.131E-14
83	0.80378	SLU	Max	-987.689	632.551	6.938E-14
83	0.	SLU	Min	-1010.988	664.042	7.324E-14
83	0.40189	SLU	Min	-999.338	648.296	7.131E-14
83	0.80378	SLU	Min	-987.689	632.551	6.938E-14
83	0.	SLV_DX_D	Max	-1270.257	569.811	6.290E-14
83	0.40189	SLV_DX_D	Max	-1264.196	551.993	6.072E-14
83	0.80378	SLV_DX_D	Max	-1258.134	534.175	5.854E-14
83	0.	SLV_DX_D	Min	-1270.257	569.811	6.290E-14
83	0.40189	SLV_DX_D	Min	-1264.196	551.993	6.072E-14
83	0.80378	SLV_DX_D	Min	-1258.134	534.175	5.854E-14
83	0.	SLV_SX_D	Max	-1258.247	375.895	4.149E-14
83	0.40189	SLV_SX_D	Max	-1242.981	364.887	4.014E-14
83	0.80378	SLV_SX_D	Max	-1227.715	353.879	3.879E-14
83	0.	SLV_SX_D	Min	-1258.247	375.895	4.149E-14
83	0.40189	SLV_SX_D	Min	-1242.981	364.887	4.014E-14
83	0.80378	SLV_SX_D	Min	-1227.715	353.879	3.879E-14
83	0.	SLV_DX_U	Max	-1132.616	333.602	3.686E-14
83	0.40189	SLV_DX_U	Max	-1129.96	320.386	3.524E-14
83	0.80378	SLV_DX_U	Max	-1127.304	307.17	3.362E-14
83	0.	SLV_DX_U	Min	-1132.616	333.602	3.686E-14
83	0.40189	SLV_DX_U	Min	-1129.96	320.386	3.524E-14
83	0.80378	SLV_DX_U	Min	-1127.304	307.17	3.362E-14
83	0.	SLV_SX_U	Max	-1135.678	112.514	1.246E-14
83	0.40189	SLV_SX_U	Max	-1123.817	106.109	1.167E-14
83	0.80378	SLV_SX_U	Max	-1111.956	99.704	1.089E-14
83	0.	SLV_SX_U	Min	-1135.678	112.514	1.246E-14
83	0.40189	SLV_SX_U	Min	-1123.817	106.109	1.167E-14
83	0.80378	SLV_SX_U	Min	-1111.956	99.704	1.089E-14
84	0.	SLE	Max	-1116.619	-92.017	-1.067E-14
84	0.27332	SLE	Max	-1106.512	-93.702	-1.088E-14
84	0.54664	SLE	Max	-1096.405	-95.386	-1.108E-14
84	0.	SLE	Min	-1116.619	-92.017	-1.067E-14
84	0.27332	SLE	Min	-1106.512	-93.702	-1.088E-14
84	0.54664	SLE	Min	-1096.405	-95.386	-1.108E-14
84	0.	SLU	Max	-1451.604	-119.622	-1.387E-14
84	0.27332	SLU	Max	-1438.465	-121.812	-1.414E-14

Table 21: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	StepType	P	V2	V3
	m			KN	KN	KN
84	0.54664	SLU	Max	-1425.326	-124.002	-1.441E-14
84	0.	SLU	Min	-1451.604	-119.622	-1.387E-14
84	0.27332	SLU	Min	-1438.465	-121.812	-1.414E-14
84	0.54664	SLU	Min	-1425.326	-124.002	-1.441E-14
84	0.	SLV_DX_D	Max	-1505.855	-373.157	-4.327E-14
84	0.27332	SLV_DX_D	Max	-1494.468	-379.002	-4.399E-14
84	0.54664	SLV_DX_D	Max	-1483.081	-384.848	-4.471E-14
84	0.	SLV_DX_D	Min	-1505.855	-373.157	-4.327E-14
84	0.27332	SLV_DX_D	Min	-1494.468	-379.002	-4.399E-14
84	0.54664	SLV_DX_D	Min	-1483.081	-384.848	-4.471E-14
84	0.	SLV_SX_D	Max	-1292.713	-529.7	-6.168E-14
84	0.27332	SLV_SX_D	Max	-1275.303	-499.41	-5.797E-14
84	0.54664	SLV_SX_D	Max	-1257.892	-469.12	-5.426E-14
84	0.	SLV_SX_D	Min	-1292.713	-529.7	-6.168E-14
84	0.27332	SLV_SX_D	Min	-1275.303	-499.41	-5.797E-14
84	0.54664	SLV_SX_D	Min	-1257.892	-469.12	-5.426E-14
84	0.	SLV_DX_U	Max	-1128.295	-462.662	-5.367E-14
84	0.27332	SLV_DX_U	Max	-1120.749	-467.868	-5.431E-14
84	0.54664	SLV_DX_U	Max	-1113.202	-473.073	-5.494E-14
84	0.	SLV_DX_U	Min	-1128.295	-462.662	-5.367E-14
84	0.27332	SLV_DX_U	Min	-1120.749	-467.868	-5.431E-14
84	0.54664	SLV_DX_U	Min	-1113.202	-473.073	-5.494E-14
84	0.	SLV_SX_U	Max	-903.807	-653.445	-7.604E-14
84	0.27332	SLV_SX_U	Max	-890.237	-622.514	-7.225E-14
84	0.54664	SLV_SX_U	Max	-876.668	-591.584	-6.847E-14
84	0.	SLV_SX_U	Min	-903.807	-653.445	-7.604E-14
84	0.27332	SLV_SX_U	Min	-890.237	-622.514	-7.225E-14
84	0.54664	SLV_SX_U	Min	-876.668	-591.584	-6.847E-14

Table 21: Element Forces - Frames, Part 2 of 2

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
1	0.	SLE	Max	0.	-3.450E-14	-367.1095
1	0.2255	SLE	Max	0.	-3.231E-14	-348.9427
1	0.45101	SLE	Max	0.	-3.010E-14	-330.5827
1	0.	SLE	Min	0.	-3.450E-14	-367.1095
1	0.2255	SLE	Min	0.	-3.231E-14	-348.9427
1	0.45101	SLE	Min	0.	-3.010E-14	-330.5827
1	0.	SLU	Max	0.	-4.485E-14	-477.2424
1	0.2255	SLU	Max	0.	-4.201E-14	-453.6255
1	0.45101	SLU	Max	0.	-3.913E-14	-429.7576
1	0.	SLU	Min	0.	-4.485E-14	-477.2424
1	0.2255	SLU	Min	0.	-4.201E-14	-453.6255
1	0.45101	SLU	Min	0.	-3.913E-14	-429.7576
1	0.	SLV_DX_D	Max	0.	-3.165E-14	-319.4024
1	0.2255	SLV_DX_D	Max	0.	-2.272E-14	-245.3471
1	0.45101	SLV_DX_D	Max	0.	-1.371E-14	-170.5114
1	0.	SLV_DX_D	Min	0.	-3.165E-14	-319.4024
1	0.2255	SLV_DX_D	Min	0.	-2.272E-14	-245.3471
1	0.45101	SLV_DX_D	Min	0.	-1.371E-14	-170.5114
1	0.	SLV_SX_D	Max	0.	-6.918E-14	-716.0773

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
1	0.2255	SLV_SX_D	Max	0.	-5.667E-14	-612.2341
1	0.45101	SLV_SX_D	Max	0.	-4.484E-14	-514.0576
1	0.	SLV_SX_D	Min	0.	-6.918E-14	-716.0773
1	0.2255	SLV_SX_D	Min	0.	-5.667E-14	-612.2341
1	0.45101	SLV_SX_D	Min	0.	-4.484E-14	-514.0576
1	0.	SLV_DX_U	Max	0.	-2.060E-14	-195.1653
1	0.2255	SLV_DX_U	Max	0.	-9.695E-15	-104.6611
1	0.45101	SLV_DX_U	Max	0.	1.296E-15	-13.4498
1	0.	SLV_DX_U	Min	0.	-2.060E-14	-195.1653
1	0.2255	SLV_DX_U	Min	0.	-9.695E-15	-104.6611
1	0.45101	SLV_DX_U	Min	0.	1.296E-15	-13.4498
1	0.	SLV_SX_U	Max	0.	-5.906E-14	-599.2719
1	0.2255	SLV_SX_U	Max	0.	-4.356E-14	-470.6655
1	0.45101	SLV_SX_U	Max	0.	-2.876E-14	-347.7992
1	0.	SLV_SX_U	Min	0.	-5.906E-14	-599.2719
1	0.2255	SLV_SX_U	Min	0.	-4.356E-14	-470.6655
1	0.45101	SLV_SX_U	Min	0.	-2.876E-14	-347.7992
2	0.	SLE	Max	0.	-3.688E-14	-330.5827
2	0.2255	SLE	Max	0.	-3.507E-14	-315.7049
2	0.45101	SLE	Max	0.	-3.324E-14	-300.6897
2	0.	SLE	Min	0.	-3.688E-14	-330.5827
2	0.2255	SLE	Min	0.	-3.507E-14	-315.7049
2	0.45101	SLE	Min	0.	-3.324E-14	-300.6897
2	0.	SLU	Max	0.	-4.794E-14	-429.7576
2	0.2255	SLU	Max	0.	-4.559E-14	-410.4164
2	0.45101	SLU	Max	0.	-4.321E-14	-390.8966
2	0.	SLU	Min	0.	-4.794E-14	-429.7576
2	0.2255	SLU	Min	0.	-4.559E-14	-410.4164
2	0.45101	SLU	Min	0.	-4.321E-14	-390.8966
2	0.	SLV_DX_D	Max	0.	-1.961E-14	-170.5114
2	0.2255	SLV_DX_D	Max	0.	-1.193E-14	-107.3868
2	0.45101	SLV_DX_D	Max	0.	-4.165E-15	-43.5944
2	0.	SLV_DX_D	Min	0.	-1.961E-14	-170.5114
2	0.2255	SLV_DX_D	Min	0.	-1.193E-14	-107.3868
2	0.45101	SLV_DX_D	Min	0.	-4.165E-15	-43.5944
2	0.	SLV_SX_D	Max	0.	-5.808E-14	-514.0576
2	0.2255	SLV_SX_D	Max	0.	-4.673E-14	-420.8098
2	0.45101	SLV_SX_D	Max	0.	-3.608E-14	-333.2863
2	0.	SLV_SX_D	Min	0.	-5.808E-14	-514.0576
2	0.2255	SLV_SX_D	Min	0.	-4.673E-14	-420.8098
2	0.45101	SLV_SX_D	Min	0.	-3.608E-14	-333.2863
2	0.	SLV_DX_U	Max	0.	-2.313E-15	-13.4498
2	0.2255	SLV_DX_U	Max	0.	7.052E-15	63.4951
2	0.45101	SLV_DX_U	Max	0.	1.649E-14	141.0556
2	0.	SLV_DX_U	Min	0.	-2.313E-15	-13.4498
2	0.2255	SLV_DX_U	Min	0.	7.052E-15	63.4951
2	0.45101	SLV_DX_U	Min	0.	1.649E-14	141.0556
2	0.	SLV_SX_U	Max	0.	-3.985E-14	-347.7992
2	0.2255	SLV_SX_U	Max	0.	-2.581E-14	-232.4613
2	0.45101	SLV_SX_U	Max	0.	-1.248E-14	-122.9
2	0.	SLV_SX_U	Min	0.	-3.985E-14	-347.7992
2	0.2255	SLV_SX_U	Min	0.	-2.581E-14	-232.4613
2	0.45101	SLV_SX_U	Min	0.	-1.248E-14	-122.9
3	0.	SLE	Max	0.	-3.985E-14	-300.6897

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
3	0.2255	SLE	Max	0.	-3.849E-14	-289.6288
3	0.45101	SLE	Max	0.	-3.711E-14	-278.4782
3	0.	SLE	Min	0.	-3.985E-14	-300.6897
3	0.2255	SLE	Min	0.	-3.849E-14	-289.6288
3	0.45101	SLE	Min	0.	-3.711E-14	-278.4782
3	0.	SLU	Max	0.	-5.180E-14	-390.8966
3	0.2255	SLU	Max	0.	-5.003E-14	-376.5175
3	0.45101	SLU	Max	0.	-4.825E-14	-362.0217
3	0.	SLU	Min	0.	-5.180E-14	-390.8966
3	0.2255	SLU	Min	0.	-5.003E-14	-376.5175
3	0.45101	SLU	Min	0.	-4.825E-14	-362.0217
3	0.	SLV_DX_D	Max	0.	-5.291E-15	-43.5944
3	0.2255	SLV_DX_D	Max	0.	1.052E-15	7.9106
3	0.45101	SLV_DX_D	Max	0.	7.465E-15	59.9849
3	0.	SLV_DX_D	Min	0.	-5.291E-15	-43.5944
3	0.2255	SLV_DX_D	Min	0.	1.052E-15	7.9106
3	0.45101	SLV_DX_D	Min	0.	7.465E-15	59.9849
3	0.	SLV_SX_D	Max	0.	-4.349E-14	-333.2863
3	0.2255	SLV_SX_D	Max	0.	-3.333E-14	-250.7304
3	0.45101	SLV_SX_D	Max	0.	-2.387E-14	-173.9418
3	0.	SLV_SX_D	Min	0.	-4.349E-14	-333.2863
3	0.2255	SLV_SX_D	Min	0.	-3.333E-14	-250.7304
3	0.45101	SLV_SX_D	Min	0.	-2.387E-14	-173.9418
3	0.	SLV_DX_U	Max	0.	1.936E-14	141.0556
3	0.2255	SLV_DX_U	Max	0.	2.716E-14	204.3468
3	0.45101	SLV_DX_U	Max	0.	3.502E-14	268.1731
3	0.	SLV_DX_U	Min	0.	1.936E-14	141.0556
3	0.2255	SLV_DX_U	Min	0.	2.716E-14	204.3468
3	0.45101	SLV_DX_U	Min	0.	3.502E-14	268.1731
3	0.	SLV_SX_U	Max	0.	-1.535E-14	-122.9
3	0.2255	SLV_SX_U	Max	0.	-2.784E-15	-20.8756
3	0.45101	SLV_SX_U	Max	0.	9.068E-15	75.3473
3	0.	SLV_SX_U	Min	0.	-1.535E-14	-122.9
3	0.2255	SLV_SX_U	Min	0.	-2.784E-15	-20.8756
3	0.45101	SLV_SX_U	Min	0.	9.068E-15	75.3473
4	0.	SLE	Max	0.	-4.015E-14	-278.4782
4	0.2255	SLE	Max	0.	-3.930E-14	-271.601
4	0.45101	SLE	Max	0.	-3.844E-14	-264.6722
4	0.	SLE	Min	0.	-4.015E-14	-278.4782
4	0.2255	SLE	Min	0.	-3.930E-14	-271.601
4	0.45101	SLE	Min	0.	-3.844E-14	-264.6722
4	0.	SLU	Max	0.	-5.219E-14	-362.0217
4	0.2255	SLU	Max	0.	-5.109E-14	-353.0813
4	0.45101	SLU	Max	0.	-4.997E-14	-344.0738
4	0.	SLU	Min	0.	-5.219E-14	-362.0217
4	0.2255	SLU	Min	0.	-5.109E-14	-353.0813
4	0.45101	SLU	Min	0.	-4.997E-14	-344.0738
4	0.	SLV_DX_D	Max	0.	9.497E-15	59.9849
4	0.2255	SLV_DX_D	Max	0.	1.437E-14	99.2887
4	0.45101	SLV_DX_D	Max	0.	1.930E-14	139.0978
4	0.	SLV_DX_D	Min	0.	9.497E-15	59.9849
4	0.2255	SLV_DX_D	Min	0.	1.437E-14	99.2887
4	0.45101	SLV_DX_D	Min	0.	1.930E-14	139.0978
4	0.	SLV_SX_D	Max	0.	-2.369E-14	-173.9418

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
4	0.2255	SLV_SX_D	Max	0.	-1.479E-14	-102.1042
4	0.45101	SLV_SX_D	Max	0.	-6.608E-15	-36.0796
4	0.	SLV_SX_D	Min	0.	-2.369E-14	-173.9418
4	0.2255	SLV_SX_D	Min	0.	-1.479E-14	-102.1042
4	0.45101	SLV_SX_D	Min	0.	-6.608E-15	-36.0796
4	0.	SLV_DX_U	Max	0.	3.983E-14	268.1731
4	0.2255	SLV_DX_U	Max	0.	4.598E-14	317.7497
4	0.45101	SLV_DX_U	Max	0.	5.218E-14	367.8121
4	0.	SLV_DX_U	Min	0.	3.983E-14	268.1731
4	0.2255	SLV_DX_U	Min	0.	4.598E-14	317.7497
4	0.45101	SLV_DX_U	Min	0.	5.218E-14	367.8121
4	0.	SLV_SX_U	Max	0.	1.273E-14	75.3473
4	0.2255	SLV_SX_U	Max	0.	2.372E-14	164.0763
4	0.45101	SLV_SX_U	Max	0.	3.400E-14	246.9727
4	0.	SLV_SX_U	Min	0.	1.273E-14	75.3473
4	0.2255	SLV_SX_U	Min	0.	2.372E-14	164.0763
4	0.45101	SLV_SX_U	Min	0.	3.400E-14	246.9727
5	0.	SLE	Max	0.	-3.995E-14	-264.6722
5	0.2255	SLE	Max	0.	-3.964E-14	-262.1753
5	0.45101	SLE	Max	0.	-3.933E-14	-259.6616
5	0.	SLE	Min	0.	-3.995E-14	-264.6722
5	0.2255	SLE	Min	0.	-3.964E-14	-262.1753
5	0.45101	SLE	Min	0.	-3.933E-14	-259.6616
5	0.	SLU	Max	0.	-5.193E-14	-344.0738
5	0.2255	SLU	Max	0.	-5.153E-14	-340.8279
5	0.45101	SLU	Max	0.	-5.112E-14	-337.56
5	0.	SLU	Min	0.	-5.193E-14	-344.0738
5	0.2255	SLU	Min	0.	-5.153E-14	-340.8279
5	0.45101	SLU	Min	0.	-5.112E-14	-337.56
5	0.	SLV_DX_D	Max	0.	2.175E-14	139.0978
5	0.2255	SLV_DX_D	Max	0.	2.505E-14	165.6944
5	0.45101	SLV_DX_D	Max	0.	2.842E-14	192.7457
5	0.	SLV_DX_D	Min	0.	2.175E-14	139.0978
5	0.2255	SLV_DX_D	Min	0.	2.505E-14	165.6944
5	0.45101	SLV_DX_D	Min	0.	2.842E-14	192.7457
5	0.	SLV_SX_D	Max	0.	-3.837E-15	-36.0796
5	0.2255	SLV_SX_D	Max	0.	3.760E-15	25.0535
5	0.45101	SLV_SX_D	Max	0.	1.064E-14	80.332
5	0.	SLV_SX_D	Min	0.	-3.837E-15	-36.0796
5	0.2255	SLV_SX_D	Min	0.	3.760E-15	25.0535
5	0.45101	SLV_SX_D	Min	0.	1.064E-14	80.332
5	0.	SLV_DX_U	Max	0.	5.657E-14	367.8121
5	0.2255	SLV_DX_U	Max	0.	6.102E-14	403.5881
5	0.45101	SLV_DX_U	Max	0.	6.553E-14	439.8124
5	0.	SLV_DX_U	Min	0.	5.657E-14	367.8121
5	0.2255	SLV_DX_U	Min	0.	6.102E-14	403.5881
5	0.45101	SLV_DX_U	Min	0.	6.553E-14	439.8124
5	0.	SLV_SX_U	Max	0.	3.934E-14	246.9727
5	0.2255	SLV_SX_U	Max	0.	4.872E-14	322.46
5	0.45101	SLV_SX_U	Max	0.	5.739E-14	392.0863
5	0.	SLV_SX_U	Min	0.	3.934E-14	246.9727
5	0.2255	SLV_SX_U	Min	0.	4.872E-14	322.46
5	0.45101	SLV_SX_U	Min	0.	5.739E-14	392.0863
6	0.	SLE	Max	0.	0.	-259.6616

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
6	0.23546	SLE	Max	0.	0.	-261.9982
6	0.47092	SLE	Max	0.	0.	-264.3527
6	0.	SLE	Min	0.	0.	-259.6616
6	0.23546	SLE	Min	0.	0.	-261.9982
6	0.47092	SLE	Min	0.	0.	-264.3527
6	0.	SLU	Max	0.	0.	-337.56
6	0.23546	SLU	Max	0.	0.	-340.5976
6	0.47092	SLU	Max	0.	0.	-343.6585
6	0.	SLU	Min	0.	0.	-337.56
6	0.23546	SLU	Min	0.	0.	-340.5976
6	0.47092	SLU	Min	0.	0.	-343.6585
6	0.	SLV_DX_D	Max	0.	0.	192.7457
6	0.23546	SLV_DX_D	Max	0.	0.	206.0916
6	0.47092	SLV_DX_D	Max	0.	0.	219.8899
6	0.	SLV_DX_D	Min	0.	0.	192.7457
6	0.23546	SLV_DX_D	Min	0.	0.	206.0916
6	0.47092	SLV_DX_D	Min	0.	0.	219.8899
6	0.	SLV_SX_D	Max	0.	0.	80.332
6	0.23546	SLV_SX_D	Max	0.	0.	132.6831
6	0.47092	SLV_SX_D	Max	0.	0.	178.608
6	0.	SLV_SX_D	Min	0.	0.	80.332
6	0.23546	SLV_SX_D	Min	0.	0.	132.6831
6	0.47092	SLV_SX_D	Min	0.	0.	178.608
6	0.	SLV_DX_U	Max	0.	0.	439.8124
6	0.23546	SLV_DX_U	Max	0.	0.	461.9815
6	0.47092	SLV_DX_U	Max	0.	0.	484.61
6	0.	SLV_DX_U	Min	0.	0.	439.8124
6	0.23546	SLV_DX_U	Min	0.	0.	461.9815
6	0.47092	SLV_DX_U	Min	0.	0.	484.61
6	0.	SLV_SX_U	Max	0.	0.	392.0863
6	0.23546	SLV_SX_U	Max	0.	0.	456.8482
6	0.47092	SLV_SX_U	Max	0.	0.	515.1907
6	0.	SLV_SX_U	Min	0.	0.	392.0863
6	0.23546	SLV_SX_U	Min	0.	0.	456.8482
6	0.47092	SLV_SX_U	Min	0.	0.	515.1907
7	0.	SLE	Max	0.	0.	-264.3527
7	0.23546	SLE	Max	0.	0.	-271.8479
7	0.47092	SLE	Max	0.	0.	-279.3982
7	0.	SLE	Min	0.	0.	-264.3527
7	0.23546	SLE	Min	0.	0.	-271.8479
7	0.47092	SLE	Min	0.	0.	-279.3982
7	0.	SLU	Max	0.	0.	-343.6585
7	0.23546	SLU	Max	0.	0.	-353.4023
7	0.47092	SLU	Max	0.	0.	-363.2176
7	0.	SLU	Min	0.	0.	-343.6585
7	0.23546	SLU	Min	0.	0.	-353.4023
7	0.47092	SLU	Min	0.	0.	-363.2176
7	0.	SLV_DX_D	Max	0.	0.	219.8899
7	0.23546	SLV_DX_D	Max	0.	0.	217.5467
7	0.47092	SLV_DX_D	Max	0.	0.	215.622
7	0.	SLV_DX_D	Min	0.	0.	219.8899
7	0.23546	SLV_DX_D	Min	0.	0.	217.5467
7	0.47092	SLV_DX_D	Min	0.	0.	215.622
7	0.	SLV_SX_D	Max	0.	0.	178.608

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
7	0.23546	SLV_SX_D	Max	0.	0.	218.9252
7	0.47092	SLV_SX_D	Max	0.	0.	252.7717
7	0.	SLV_SX_D	Min	0.	0.	178.608
7	0.23546	SLV_SX_D	Min	0.	0.	218.9252
7	0.47092	SLV_SX_D	Min	0.	0.	252.7717
7	0.	SLV_DX_U	Max	0.	0.	484.61
7	0.23546	SLV_DX_U	Max	0.	0.	490.5916
7	0.47092	SLV_DX_U	Max	0.	0.	497.0126
7	0.	SLV_DX_U	Min	0.	0.	484.61
7	0.23546	SLV_DX_U	Min	0.	0.	490.5916
7	0.47092	SLV_DX_U	Min	0.	0.	497.0126
7	0.	SLV_SX_U	Max	0.	0.	515.1907
7	0.23546	SLV_SX_U	Max	0.	0.	565.4281
7	0.47092	SLV_SX_U	Max	0.	0.	609.2156
7	0.	SLV_SX_U	Min	0.	0.	515.1907
7	0.23546	SLV_SX_U	Min	0.	0.	565.4281
7	0.47092	SLV_SX_U	Min	0.	0.	609.2156
8	0.	SLE	Max	0.	0.	-279.3982
8	0.23546	SLE	Max	0.	0.	-291.8001
8	0.47092	SLE	Max	0.	0.	-304.2977
8	0.	SLE	Min	0.	0.	-279.3982
8	0.23546	SLE	Min	0.	0.	-291.8001
8	0.47092	SLE	Min	0.	0.	-304.2977
8	0.	SLU	Max	0.	0.	-363.2176
8	0.23546	SLU	Max	0.	0.	-379.3401
8	0.47092	SLU	Max	0.	0.	-395.587
8	0.	SLU	Min	0.	0.	-363.2176
8	0.23546	SLU	Min	0.	0.	-379.3401
8	0.47092	SLU	Min	0.	0.	-395.587
8	0.	SLV_DX_D	Max	0.	0.	215.622
8	0.23546	SLV_DX_D	Max	0.	0.	196.8009
8	0.47092	SLV_DX_D	Max	0.	0.	178.3701
8	0.	SLV_DX_D	Min	0.	0.	215.622
8	0.23546	SLV_DX_D	Min	0.	0.	196.8009
8	0.47092	SLV_DX_D	Min	0.	0.	178.3701
8	0.	SLV_SX_D	Max	0.	0.	252.7717
8	0.23546	SLV_SX_D	Max	0.	0.	281.1123
8	0.47092	SLV_SX_D	Max	0.	0.	302.9332
8	0.	SLV_SX_D	Min	0.	0.	252.7717
8	0.23546	SLV_SX_D	Min	0.	0.	281.1123
8	0.47092	SLV_SX_D	Min	0.	0.	302.9332
8	0.	SLV_DX_U	Max	0.	0.	497.0126
8	0.23546	SLV_DX_U	Max	0.	0.	486.0739
8	0.47092	SLV_DX_U	Max	0.	0.	475.5619
8	0.	SLV_DX_U	Min	0.	0.	497.0126
8	0.23546	SLV_DX_U	Min	0.	0.	486.0739
8	0.47092	SLV_DX_U	Min	0.	0.	475.5619
8	0.	SLV_SX_U	Max	0.	0.	609.2156
8	0.23546	SLV_SX_U	Max	0.	0.	645.0655
8	0.47092	SLV_SX_U	Max	0.	0.	674.4322
8	0.	SLV_SX_U	Min	0.	0.	609.2156
8	0.23546	SLV_SX_U	Min	0.	0.	645.0655
8	0.47092	SLV_SX_U	Min	0.	0.	674.4322
9	0.	SLE	Max	0.	0.	-304.2977

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
9	0.23546	SLE	Max	0.	0.	-321.2428
9	0.47092	SLE	Max	0.	0.	-338.3342
9	0.	SLE	Min	0.	0.	-304.2977
9	0.23546	SLE	Min	0.	0.	-321.2428
9	0.47092	SLE	Min	0.	0.	-338.3342
9	0.	SLU	Max	0.	0.	-395.587
9	0.23546	SLU	Max	0.	0.	-417.6156
9	0.47092	SLU	Max	0.	0.	-439.8345
9	0.	SLU	Min	0.	0.	-395.587
9	0.23546	SLU	Min	0.	0.	-417.6156
9	0.47092	SLU	Min	0.	0.	-439.8345
9	0.	SLV_DX_D	Max	0.	0.	178.3701
9	0.23546	SLV_DX_D	Max	0.	0.	142.1691
9	0.47092	SLV_DX_D	Max	0.	0.	106.344
9	0.	SLV_DX_D	Min	0.	0.	178.3701
9	0.23546	SLV_DX_D	Min	0.	0.	142.1691
9	0.47092	SLV_DX_D	Min	0.	0.	106.344
9	0.	SLV_SX_D	Max	0.	0.	302.9332
9	0.23546	SLV_SX_D	Max	0.	0.	319.3082
9	0.47092	SLV_SX_D	Max	0.	0.	329.0866
9	0.	SLV_SX_D	Min	0.	0.	302.9332
9	0.23546	SLV_SX_D	Min	0.	0.	319.3082
9	0.47092	SLV_SX_D	Min	0.	0.	329.0866
9	0.	SLV_DX_U	Max	0.	0.	475.5619
9	0.23546	SLV_DX_U	Max	0.	0.	446.7233
9	0.47092	SLV_DX_U	Max	0.	0.	418.3163
9	0.	SLV_DX_U	Min	0.	0.	475.5619
9	0.23546	SLV_DX_U	Min	0.	0.	446.7233
9	0.47092	SLV_DX_U	Min	0.	0.	418.3163
9	0.	SLV_SX_U	Max	0.	0.	674.4322
9	0.23546	SLV_SX_U	Max	0.	0.	696.0104
9	0.47092	SLV_SX_U	Max	0.	0.	711.0477
9	0.	SLV_SX_U	Min	0.	0.	674.4322
9	0.23546	SLV_SX_U	Min	0.	0.	696.0104
9	0.47092	SLV_SX_U	Min	0.	0.	711.0477
10	0.	SLE	Max	0.	0.	-338.3342
10	0.23546	SLE	Max	0.	0.	-359.3762
10	0.47092	SLE	Max	0.	0.	-380.6276
10	0.	SLE	Min	0.	0.	-338.3342
10	0.23546	SLE	Min	0.	0.	-359.3762
10	0.47092	SLE	Min	0.	0.	-380.6276
10	0.	SLU	Max	0.	0.	-439.8345
10	0.23546	SLU	Max	0.	0.	-467.189
10	0.47092	SLU	Max	0.	0.	-494.8159
10	0.	SLU	Min	0.	0.	-439.8345
10	0.23546	SLU	Min	0.	0.	-467.189
10	0.47092	SLU	Min	0.	0.	-494.8159
10	0.	SLV_DX_D	Max	0.	0.	106.344
10	0.23546	SLV_DX_D	Max	0.	0.	51.7985
10	0.47092	SLV_DX_D	Max	0.	0.	-2.3853
10	0.	SLV_DX_D	Min	0.	0.	106.344
10	0.23546	SLV_DX_D	Min	0.	0.	51.7985
10	0.47092	SLV_DX_D	Min	0.	0.	-2.3853
10	0.	SLV_SX_D	Max	0.	0.	329.0866

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
10	0.23546	SLV_SX_D	Max	0.	0.	333.4288
10	0.47092	SLV_SX_D	Max	0.	0.	331.0776
10	0.	SLV_SX_D	Min	0.	0.	329.0866
10	0.23546	SLV_SX_D	Min	0.	0.	333.4288
10	0.47092	SLV_SX_D	Min	0.	0.	331.0776
10	0.	SLV_DX_U	Max	0.	0.	418.3163
10	0.23546	SLV_DX_U	Max	0.	0.	370.428
10	0.47092	SLV_DX_U	Max	0.	0.	322.9808
10	0.	SLV_DX_U	Min	0.	0.	418.3163
10	0.23546	SLV_DX_U	Min	0.	0.	370.428
10	0.47092	SLV_DX_U	Min	0.	0.	322.9808
10	0.	SLV_SX_U	Max	0.	0.	711.0477
10	0.23546	SLV_SX_U	Max	0.	0.	718.4201
10	0.47092	SLV_SX_U	Max	0.	0.	719.1787
10	0.	SLV_SX_U	Min	0.	0.	711.0477
10	0.23546	SLV_SX_U	Min	0.	0.	718.4201
10	0.47092	SLV_SX_U	Min	0.	0.	719.1787
11	0.	SLE	Max	0.	0.	-380.6276
11	0.23546	SLE	Max	0.	0.	-405.2661
11	0.47092	SLE	Max	0.	0.	-430.1932
11	0.	SLE	Min	0.	0.	-380.6276
11	0.23546	SLE	Min	0.	0.	-405.2661
11	0.47092	SLE	Min	0.	0.	-430.1932
11	0.	SLU	Max	0.	0.	-494.8159
11	0.23546	SLU	Max	0.	0.	-526.846
11	0.47092	SLU	Max	0.	0.	-559.2512
11	0.	SLU	Min	0.	0.	-494.8159
11	0.23546	SLU	Min	0.	0.	-526.846
11	0.47092	SLU	Min	0.	0.	-559.2512
11	0.	SLV_DX_D	Max	0.	0.	-2.3853
11	0.23546	SLV_DX_D	Max	0.	0.	-76.2671
11	0.47092	SLV_DX_D	Max	0.	0.	-149.8058
11	0.	SLV_DX_D	Min	0.	0.	-2.3853
11	0.23546	SLV_DX_D	Min	0.	0.	-76.2671
11	0.47092	SLV_DX_D	Min	0.	0.	-149.8058
11	0.	SLV_SX_D	Max	0.	0.	331.0776
11	0.23546	SLV_SX_D	Max	0.	0.	323.256
11	0.47092	SLV_SX_D	Max	0.	0.	308.6201
11	0.	SLV_SX_D	Min	0.	0.	331.0776
11	0.23546	SLV_SX_D	Min	0.	0.	323.256
11	0.47092	SLV_SX_D	Min	0.	0.	308.6201
11	0.	SLV_DX_U	Max	0.	0.	322.9808
11	0.23546	SLV_DX_U	Max	0.	0.	254.7897
11	0.47092	SLV_DX_U	Max	0.	0.	187.0513
11	0.	SLV_DX_U	Min	0.	0.	322.9808
11	0.23546	SLV_DX_U	Min	0.	0.	254.7897
11	0.47092	SLV_DX_U	Min	0.	0.	187.0513
11	0.	SLV_SX_U	Max	0.	0.	719.1787
11	0.23546	SLV_SX_U	Max	0.	0.	712.3754
11	0.47092	SLV_SX_U	Max	0.	0.	698.8674
11	0.	SLV_SX_U	Min	0.	0.	719.1787
11	0.23546	SLV_SX_U	Min	0.	0.	712.3754
11	0.47092	SLV_SX_U	Min	0.	0.	698.8674
12	0.	SLE	Max	0.	0.	-430.1932

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
12	0.23546	SLE	Max	0.	0.	-457.9053
12	0.47092	SLE	Max	0.	0.	-486.0043
12	0.	SLE	Min	0.	0.	-430.1932
12	0.23546	SLE	Min	0.	0.	-457.9053
12	0.47092	SLE	Min	0.	0.	-486.0043
12	0.	SLU	Max	0.	0.	-559.2512
12	0.23546	SLU	Max	0.	0.	-595.277
12	0.47092	SLU	Max	0.	0.	-631.8056
12	0.	SLU	Min	0.	0.	-559.2512
12	0.23546	SLU	Min	0.	0.	-595.277
12	0.47092	SLU	Min	0.	0.	-631.8056
12	0.	SLV_DX_D	Max	0.	0.	-149.8058
12	0.23546	SLV_DX_D	Max	0.	0.	-244.0033
12	0.47092	SLV_DX_D	Max	0.	0.	-337.8851
12	0.	SLV_DX_D	Min	0.	0.	-149.8058
12	0.23546	SLV_DX_D	Min	0.	0.	-244.0033
12	0.47092	SLV_DX_D	Min	0.	0.	-337.8851
12	0.	SLV_SX_D	Max	0.	0.	308.6201
12	0.23546	SLV_SX_D	Max	0.	0.	288.4347
12	0.47092	SLV_SX_D	Max	0.	0.	261.2862
12	0.	SLV_SX_D	Min	0.	0.	308.6201
12	0.23546	SLV_SX_D	Min	0.	0.	288.4347
12	0.47092	SLV_SX_D	Min	0.	0.	261.2862
12	0.	SLV_DX_U	Max	0.	0.	187.0513
12	0.23546	SLV_DX_U	Max	0.	0.	97.2729
12	0.47092	SLV_DX_U	Max	0.	0.	7.9573
12	0.	SLV_DX_U	Min	0.	0.	187.0513
12	0.23546	SLV_DX_U	Min	0.	0.	97.2729
12	0.47092	SLV_DX_U	Min	0.	0.	7.9573
12	0.	SLV_SX_U	Max	0.	0.	698.8674
12	0.23546	SLV_SX_U	Max	0.	0.	677.8785
12	0.47092	SLV_SX_U	Max	0.	0.	650.0735
12	0.	SLV_SX_U	Min	0.	0.	698.8674
12	0.23546	SLV_SX_U	Min	0.	0.	677.8785
12	0.47092	SLV_SX_U	Min	0.	0.	650.0735
13	0.	SLE	Max	0.	0.	-486.0043
13	0.23546	SLE	Max	0.	0.	-516.2741
13	0.47092	SLE	Max	0.	0.	-547.0546
13	0.	SLE	Min	0.	0.	-486.0043
13	0.23546	SLE	Min	0.	0.	-516.2741
13	0.47092	SLE	Min	0.	0.	-547.0546
13	0.	SLU	Max	0.	0.	-631.8056
13	0.23546	SLU	Max	0.	0.	-671.1563
13	0.47092	SLU	Max	0.	0.	-711.171
13	0.	SLU	Min	0.	0.	-631.8056
13	0.23546	SLU	Min	0.	0.	-671.1563
13	0.47092	SLU	Min	0.	0.	-711.171
13	0.	SLV_DX_D	Max	0.	0.	-337.8851
13	0.23546	SLV_DX_D	Max	0.	0.	-453.3384
13	0.47092	SLV_DX_D	Max	0.	0.	-568.5149
13	0.	SLV_DX_D	Min	0.	0.	-337.8851
13	0.23546	SLV_DX_D	Min	0.	0.	-453.3384
13	0.47092	SLV_DX_D	Min	0.	0.	-568.5149
13	0.	SLV_SX_D	Max	0.	0.	261.2862

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
13	0.23546	SLV_SX_D	Max	0.	0.	228.4599
13	0.47092	SLV_SX_D	Max	0.	0.	188.4813
13	0.	SLV_SX_D	Min	0.	0.	261.2862
13	0.23546	SLV_SX_D	Min	0.	0.	228.4599
13	0.47092	SLV_SX_D	Min	0.	0.	188.4813
13	0.	SLV_DX_U	Max	0.	0.	7.9573
13	0.23546	SLV_DX_U	Max	0.	0.	-104.6698
13	0.47092	SLV_DX_U	Max	0.	0.	-216.8261
13	0.	SLV_DX_U	Min	0.	0.	7.9573
13	0.23546	SLV_DX_U	Min	0.	0.	-104.6698
13	0.47092	SLV_DX_U	Min	0.	0.	-216.8261
13	0.	SLV_SX_U	Max	0.	0.	650.0735
13	0.23546	SLV_SX_U	Max	0.	0.	614.842
13	0.47092	SLV_SX_U	Max	0.	0.	572.6523
13	0.	SLV_SX_U	Min	0.	0.	650.0735
13	0.23546	SLV_SX_U	Min	0.	0.	614.842
13	0.47092	SLV_SX_U	Min	0.	0.	572.6523
14	0.	SLE	Max	0.	0.	-547.0546
14	0.23546	SLE	Max	0.	0.	-465.9939
14	0.47092	SLE	Max	0.	0.	-386.6938
14	0.	SLE	Min	0.	0.	-547.0546
14	0.23546	SLE	Min	0.	0.	-465.9939
14	0.47092	SLE	Min	0.	0.	-386.6938
14	0.	SLU	Max	0.	0.	-711.171
14	0.23546	SLU	Max	0.	0.	-605.7921
14	0.47092	SLU	Max	0.	0.	-502.7019
14	0.	SLU	Min	0.	0.	-711.171
14	0.23546	SLU	Min	0.	0.	-605.7921
14	0.47092	SLU	Min	0.	0.	-502.7019
14	0.	SLV_DX_D	Max	0.	0.	-568.5149
14	0.23546	SLV_DX_D	Max	0.	0.	-514.8372
14	0.47092	SLV_DX_D	Max	0.	0.	-462.6442
14	0.	SLV_DX_D	Min	0.	0.	-568.5149
14	0.23546	SLV_DX_D	Min	0.	0.	-514.8372
14	0.47092	SLV_DX_D	Min	0.	0.	-462.6442
14	0.	SLV_SX_D	Max	0.	0.	188.4813
14	0.23546	SLV_SX_D	Max	0.	0.	266.074
14	0.47092	SLV_SX_D	Max	0.	0.	338.2665
14	0.	SLV_SX_D	Min	0.	0.	188.4813
14	0.23546	SLV_SX_D	Min	0.	0.	266.074
14	0.47092	SLV_SX_D	Min	0.	0.	338.2665
14	0.	SLV_DX_U	Max	0.	0.	-216.8261
14	0.23546	SLV_DX_U	Max	0.	0.	-199.1185
14	0.47092	SLV_DX_U	Max	0.	0.	-182.2266
14	0.	SLV_DX_U	Min	0.	0.	-216.8261
14	0.23546	SLV_DX_U	Min	0.	0.	-199.1185
14	0.47092	SLV_DX_U	Min	0.	0.	-182.2266
14	0.	SLV_SX_U	Max	0.	0.	572.6523
14	0.23546	SLV_SX_U	Max	0.	0.	608.7143
14	0.47092	SLV_SX_U	Max	0.	0.	640.0451
14	0.	SLV_SX_U	Min	0.	0.	572.6523
14	0.23546	SLV_SX_U	Min	0.	0.	608.7143
14	0.47092	SLV_SX_U	Min	0.	0.	640.0451
15	0.	SLE	Max	0.	0.	-386.6938

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
15	0.23546	SLE	Max	0.	0.	-316.7592
15	0.47092	SLE	Max	0.	0.	-248.3998
15	0.	SLE	Min	0.	0.	-386.6938
15	0.23546	SLE	Min	0.	0.	-316.7592
15	0.47092	SLE	Min	0.	0.	-248.3998
15	0.	SLU	Max	0.	0.	-502.7019
15	0.23546	SLU	Max	0.	0.	-411.787
15	0.47092	SLU	Max	0.	0.	-322.9197
15	0.	SLU	Min	0.	0.	-502.7019
15	0.23546	SLU	Min	0.	0.	-411.787
15	0.47092	SLU	Min	0.	0.	-322.9197
15	0.	SLV_DX_D	Max	0.	0.	-462.6442
15	0.23546	SLV_DX_D	Max	0.	0.	-418.2183
15	0.47092	SLV_DX_D	Max	0.	0.	-375.1516
15	0.	SLV_DX_D	Min	0.	0.	-462.6442
15	0.23546	SLV_DX_D	Min	0.	0.	-418.2183
15	0.47092	SLV_DX_D	Min	0.	0.	-375.1516
15	0.	SLV_SX_D	Max	0.	0.	338.2665
15	0.23546	SLV_SX_D	Max	0.	0.	396.6133
15	0.47092	SLV_SX_D	Max	0.	0.	450.0453
15	0.	SLV_SX_D	Min	0.	0.	338.2665
15	0.23546	SLV_SX_D	Min	0.	0.	396.6133
15	0.47092	SLV_SX_D	Min	0.	0.	450.0453
15	0.	SLV_DX_U	Max	0.	0.	-182.2266
15	0.23546	SLV_DX_U	Max	0.	0.	-171.0286
15	0.47092	SLV_DX_U	Max	0.	0.	-160.5911
15	0.	SLV_DX_U	Min	0.	0.	-182.2266
15	0.23546	SLV_DX_U	Min	0.	0.	-171.0286
15	0.47092	SLV_DX_U	Min	0.	0.	-160.5911
15	0.	SLV_SX_U	Max	0.	0.	640.0451
15	0.23546	SLV_SX_U	Max	0.	0.	659.994
15	0.47092	SLV_SX_U	Max	0.	0.	675.6267
15	0.	SLV_SX_U	Min	0.	0.	640.0451
15	0.23546	SLV_SX_U	Min	0.	0.	659.994
15	0.47092	SLV_SX_U	Min	0.	0.	675.6267
16	0.	SLE	Max	0.	0.	-248.3998
16	0.23546	SLE	Max	0.	0.	-189.0359
16	0.47092	SLE	Max	0.	0.	-131.0919
16	0.	SLE	Min	0.	0.	-248.3998
16	0.23546	SLE	Min	0.	0.	-189.0359
16	0.47092	SLE	Min	0.	0.	-131.0919
16	0.	SLU	Max	0.	0.	-322.9197
16	0.23546	SLU	Max	0.	0.	-245.7466
16	0.47092	SLU	Max	0.	0.	-170.4194
16	0.	SLU	Min	0.	0.	-322.9197
16	0.23546	SLU	Min	0.	0.	-245.7466
16	0.47092	SLU	Min	0.	0.	-170.4194
16	0.	SLV_DX_D	Max	0.	0.	-375.1516
16	0.23546	SLV_DX_D	Max	0.	0.	-339.619
16	0.47092	SLV_DX_D	Max	0.	0.	-305.338
16	0.	SLV_DX_D	Min	0.	0.	-375.1516
16	0.23546	SLV_DX_D	Min	0.	0.	-339.619
16	0.47092	SLV_DX_D	Min	0.	0.	-305.338
16	0.	SLV_SX_D	Max	0.	0.	450.0453

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
16	0.23546	SLV_SX_D	Max	0.	0.	490.4435
16	0.47092	SLV_SX_D	Max	0.	0.	526.3569
16	0.	SLV_SX_D	Min	0.	0.	450.0453
16	0.23546	SLV_SX_D	Min	0.	0.	490.4435
16	0.47092	SLV_SX_D	Min	0.	0.	526.3569
16	0.	SLV_DX_U	Max	0.	0.	-160.5911
16	0.23546	SLV_DX_U	Max	0.	0.	-155.5802
16	0.47092	SLV_DX_U	Max	0.	0.	-151.2814
16	0.	SLV_DX_U	Min	0.	0.	-160.5911
16	0.23546	SLV_DX_U	Min	0.	0.	-155.5802
16	0.47092	SLV_DX_U	Min	0.	0.	-151.2814
16	0.	SLV_SX_U	Max	0.	0.	675.6267
16	0.23546	SLV_SX_U	Max	0.	0.	680.7759
16	0.47092	SLV_SX_U	Max	0.	0.	681.9798
16	0.	SLV_SX_U	Min	0.	0.	675.6267
16	0.23546	SLV_SX_U	Min	0.	0.	680.7759
16	0.47092	SLV_SX_U	Min	0.	0.	681.9798
17	0.	SLE	Max	0.	0.	-131.0919
17	0.23546	SLE	Max	0.	0.	-81.7679
17	0.47092	SLE	Max	0.	0.	-33.7314
17	0.	SLE	Min	0.	0.	-131.0919
17	0.23546	SLE	Min	0.	0.	-81.7679
17	0.47092	SLE	Min	0.	0.	-33.7314
17	0.	SLU	Max	0.	0.	-170.4194
17	0.23546	SLU	Max	0.	0.	-106.2983
17	0.47092	SLU	Max	0.	0.	-43.8508
17	0.	SLU	Min	0.	0.	-170.4194
17	0.23546	SLU	Min	0.	0.	-106.2983
17	0.47092	SLU	Min	0.	0.	-43.8508
17	0.	SLV_DX_D	Max	0.	0.	-305.338
17	0.23546	SLV_DX_D	Max	0.	0.	-278.3228
17	0.47092	SLV_DX_D	Max	0.	0.	-252.4654
17	0.	SLV_DX_D	Min	0.	0.	-305.338
17	0.23546	SLV_DX_D	Min	0.	0.	-278.3228
17	0.47092	SLV_DX_D	Min	0.	0.	-252.4654
17	0.	SLV_SX_D	Max	0.	0.	526.3569
17	0.23546	SLV_SX_D	Max	0.	0.	550.0439
17	0.47092	SLV_SX_D	Max	0.	0.	569.6334
17	0.	SLV_SX_D	Min	0.	0.	526.3569
17	0.23546	SLV_SX_D	Min	0.	0.	550.0439
17	0.47092	SLV_SX_D	Min	0.	0.	569.6334
17	0.	SLV_DX_U	Max	0.	0.	-151.2814
17	0.23546	SLV_DX_U	Max	0.	0.	-152.1239
17	0.47092	SLV_DX_U	Max	0.	0.	-153.6348
17	0.	SLV_DX_U	Min	0.	0.	-151.2814
17	0.23546	SLV_DX_U	Min	0.	0.	-152.1239
17	0.47092	SLV_DX_U	Min	0.	0.	-153.6348
17	0.	SLV_SX_U	Max	0.	0.	681.9798
17	0.23546	SLV_SX_U	Max	0.	0.	673.5782
17	0.47092	SLV_SX_U	Max	0.	0.	661.5685
17	0.	SLV_SX_U	Min	0.	0.	681.9798
17	0.23546	SLV_SX_U	Min	0.	0.	673.5782
17	0.47092	SLV_SX_U	Min	0.	0.	661.5685
18	0.	SLE	Max	0.	0.	-33.7314

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
18	0.23546	SLE	Max	0.	0.	6.0606
18	0.47092	SLE	Max	0.	0.	44.6722
18	0.	SLE	Min	0.	0.	-33.7314
18	0.23546	SLE	Min	0.	0.	6.0606
18	0.47092	SLE	Min	0.	0.	44.6722
18	0.	SLU	Max	0.	0.	-43.8508
18	0.23546	SLU	Max	0.	0.	7.8788
18	0.47092	SLU	Max	0.	0.	58.0739
18	0.	SLU	Min	0.	0.	-43.8508
18	0.23546	SLU	Min	0.	0.	7.8788
18	0.47092	SLU	Min	0.	0.	58.0739
18	0.	SLV_DX_D	Max	0.	0.	-252.4654
18	0.23546	SLV_DX_D	Max	0.	0.	-233.5814
18	0.47092	SLV_DX_D	Max	0.	0.	-215.7788
18	0.	SLV_DX_D	Min	0.	0.	-252.4654
18	0.23546	SLV_DX_D	Min	0.	0.	-233.5814
18	0.47092	SLV_DX_D	Min	0.	0.	-215.7788
18	0.	SLV_SX_D	Max	0.	0.	569.6334
18	0.23546	SLV_SX_D	Max	0.	0.	577.7949
18	0.47092	SLV_SX_D	Max	0.	0.	582.2011
18	0.	SLV_SX_D	Min	0.	0.	569.6334
18	0.23546	SLV_SX_D	Min	0.	0.	577.7949
18	0.47092	SLV_SX_D	Min	0.	0.	582.2011
18	0.	SLV_DX_U	Max	0.	0.	-153.6348
18	0.23546	SLV_DX_U	Max	0.	0.	-159.9932
18	0.47092	SLV_DX_U	Max	0.	0.	-166.9846
18	0.	SLV_DX_U	Min	0.	0.	-153.6348
18	0.23546	SLV_DX_U	Min	0.	0.	-159.9932
18	0.47092	SLV_DX_U	Min	0.	0.	-166.9846
18	0.	SLV_SX_U	Max	0.	0.	661.5685
18	0.23546	SLV_SX_U	Max	0.	0.	640.8081
18	0.47092	SLV_SX_U	Max	0.	0.	616.7409
18	0.	SLV_SX_U	Min	0.	0.	661.5685
18	0.23546	SLV_SX_U	Min	0.	0.	640.8081
18	0.47092	SLV_SX_U	Min	0.	0.	616.7409
19	0.	SLE	Max	0.	0.	44.6722
19	0.23546	SLE	Max	0.	0.	75.4132
19	0.47092	SLE	Max	0.	0.	105.053
19	0.	SLE	Min	0.	0.	44.6722
19	0.23546	SLE	Min	0.	0.	75.4132
19	0.47092	SLE	Min	0.	0.	105.053
19	0.	SLU	Max	0.	0.	58.0739
19	0.23546	SLU	Max	0.	0.	98.0371
19	0.47092	SLU	Max	0.	0.	136.5689
19	0.	SLU	Min	0.	0.	58.0739
19	0.23546	SLU	Min	0.	0.	98.0371
19	0.47092	SLU	Min	0.	0.	136.5689
19	0.	SLV_DX_D	Max	0.	0.	-215.7788
19	0.23546	SLV_DX_D	Max	0.	0.	-204.6343
19	0.47092	SLV_DX_D	Max	0.	0.	-194.5167
19	0.	SLV_DX_D	Min	0.	0.	-215.7788
19	0.23546	SLV_DX_D	Min	0.	0.	-204.6343
19	0.47092	SLV_DX_D	Min	0.	0.	-194.5167
19	0.	SLV_SX_D	Max	0.	0.	582.2011

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
19	0.23546	SLV_SX_D	Max	0.	0.	575.9656
19	0.47092	SLV_SX_D	Max	0.	0.	566.2691
19	0.	SLV_SX_D	Min	0.	0.	582.2011
19	0.23546	SLV_SX_D	Min	0.	0.	575.9656
19	0.47092	SLV_SX_D	Min	0.	0.	566.2691
19	0.	SLV_DX_U	Max	0.	0.	-166.9846
19	0.23546	SLV_DX_U	Max	0.	0.	-178.5211
19	0.47092	SLV_DX_U	Max	0.	0.	-190.6659
19	0.	SLV_DX_U	Min	0.	0.	-166.9846
19	0.23546	SLV_DX_U	Min	0.	0.	-178.5211
19	0.47092	SLV_DX_U	Min	0.	0.	-190.6659
19	0.	SLV_SX_U	Max	0.	0.	616.7409
19	0.23546	SLV_SX_U	Max	0.	0.	584.7527
19	0.47092	SLV_SX_U	Max	0.	0.	549.722
19	0.	SLV_SX_U	Min	0.	0.	616.7409
19	0.23546	SLV_SX_U	Min	0.	0.	584.7527
19	0.47092	SLV_SX_U	Min	0.	0.	549.722
20	0.	SLE	Max	0.	0.	105.053
20	0.23546	SLE	Max	0.	0.	127.1749
20	0.47092	SLE	Max	0.	0.	148.2212
20	0.	SLE	Min	0.	0.	105.053
20	0.23546	SLE	Min	0.	0.	127.1749
20	0.47092	SLE	Min	0.	0.	148.2212
20	0.	SLU	Max	0.	0.	136.5689
20	0.23546	SLU	Max	0.	0.	165.3273
20	0.47092	SLU	Max	0.	0.	192.6876
20	0.	SLU	Min	0.	0.	136.5689
20	0.23546	SLU	Min	0.	0.	165.3273
20	0.47092	SLU	Min	0.	0.	192.6876
20	0.	SLV_DX_D	Max	0.	0.	-194.5167
20	0.23546	SLV_DX_D	Max	0.	0.	-190.7408
20	0.47092	SLV_DX_D	Max	0.	0.	-187.9846
20	0.	SLV_DX_D	Min	0.	0.	-194.5167
20	0.23546	SLV_DX_D	Min	0.	0.	-190.7408
20	0.47092	SLV_DX_D	Min	0.	0.	-187.9846
20	0.	SLV_SX_D	Max	0.	0.	566.2691
20	0.23546	SLV_SX_D	Max	0.	0.	546.68
20	0.47092	SLV_SX_D	Max	0.	0.	523.8407
20	0.	SLV_SX_D	Min	0.	0.	566.2691
20	0.23546	SLV_SX_D	Min	0.	0.	546.68
20	0.47092	SLV_SX_D	Min	0.	0.	523.8407
20	0.	SLV_DX_U	Max	0.	0.	-190.6659
20	0.23546	SLV_DX_U	Max	0.	0.	-207.0587
20	0.47092	SLV_DX_U	Max	0.	0.	-224.0624
20	0.	SLV_DX_U	Min	0.	0.	-190.6659
20	0.23546	SLV_DX_U	Min	0.	0.	-207.0587
20	0.47092	SLV_DX_U	Min	0.	0.	-224.0624
20	0.	SLV_SX_U	Max	0.	0.	549.722
20	0.23546	SLV_SX_U	Max	0.	0.	507.5566
20	0.47092	SLV_SX_U	Max	0.	0.	462.5497
20	0.	SLV_SX_U	Min	0.	0.	549.722
20	0.23546	SLV_SX_U	Min	0.	0.	507.5566
20	0.47092	SLV_SX_U	Min	0.	0.	462.5497
21	0.	SLE	Max	0.	0.	148.2212

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
21	0.23546	SLE	Max	0.	0.	162.0811
21	0.47092	SLE	Max	0.	0.	174.8701
21	0.	SLE	Min	0.	0.	148.2212
21	0.23546	SLE	Min	0.	0.	162.0811
21	0.47092	SLE	Min	0.	0.	174.8701
21	0.	SLU	Max	0.	0.	192.6876
21	0.23546	SLU	Max	0.	0.	210.7054
21	0.47092	SLU	Max	0.	0.	227.3311
21	0.	SLU	Min	0.	0.	192.6876
21	0.23546	SLU	Min	0.	0.	210.7054
21	0.47092	SLU	Min	0.	0.	227.3311
21	0.	SLV_DX_D	Max	0.	0.	-187.9846
21	0.23546	SLV_DX_D	Max	0.	0.	-191.256
21	0.47092	SLV_DX_D	Max	0.	0.	-195.5589
21	0.	SLV_DX_D	Min	0.	0.	-187.9846
21	0.23546	SLV_DX_D	Min	0.	0.	-191.256
21	0.47092	SLV_DX_D	Min	0.	0.	-195.5589
21	0.	SLV_SX_D	Max	0.	0.	523.8407
21	0.23546	SLV_SX_D	Max	0.	0.	491.8224
21	0.47092	SLV_SX_D	Max	0.	0.	456.7294
21	0.	SLV_SX_D	Min	0.	0.	523.8407
21	0.23546	SLV_SX_D	Min	0.	0.	491.8224
21	0.47092	SLV_SX_D	Min	0.	0.	456.7294
21	0.	SLV_DX_U	Max	0.	0.	-224.0624
21	0.23546	SLV_DX_U	Max	0.	0.	-245.0234
21	0.47092	SLV_DX_U	Max	0.	0.	-266.609
21	0.	SLV_DX_U	Min	0.	0.	-224.0624
21	0.23546	SLV_DX_U	Min	0.	0.	-245.0234
21	0.47092	SLV_DX_U	Min	0.	0.	-266.609
21	0.	SLV_SX_U	Max	0.	0.	462.5497
21	0.23546	SLV_SX_U	Max	0.	0.	411.1539
21	0.47092	SLV_SX_U	Max	0.	0.	357.0902
21	0.	SLV_SX_U	Min	0.	0.	462.5497
21	0.23546	SLV_SX_U	Min	0.	0.	411.1539
21	0.47092	SLV_SX_U	Min	0.	0.	357.0902
22	0.	SLE	Max	0.	0.	174.8701
22	0.258	SLE	Max	0.	0.	184.3322
22	0.516	SLE	Max	0.	0.	192.4706
22	0.	SLE	Min	0.	0.	174.8701
22	0.258	SLE	Min	0.	0.	184.3322
22	0.516	SLE	Min	0.	0.	192.4706
22	0.	SLU	Max	0.	0.	227.3311
22	0.258	SLU	Max	0.	0.	239.6319
22	0.516	SLU	Max	0.	0.	250.2118
22	0.	SLU	Min	0.	0.	227.3311
22	0.258	SLU	Min	0.	0.	239.6319
22	0.516	SLU	Min	0.	0.	250.2118
22	0.	SLV_DX_D	Max	0.	0.	-195.5589
22	0.258	SLV_DX_D	Max	0.	0.	-200.8126
22	0.516	SLV_DX_D	Max	0.	0.	-207.3756
22	0.	SLV_DX_D	Min	0.	0.	-195.5589
22	0.258	SLV_DX_D	Min	0.	0.	-200.8126
22	0.516	SLV_DX_D	Min	0.	0.	-207.3756
22	0.	SLV_SX_D	Max	0.	0.	456.7294

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
22	0.258	SLV_SX_D	Max	0.	0.	413.5013
22	0.516	SLV_SX_D	Max	0.	0.	366.8772
22	0.	SLV_SX_D	Min	0.	0.	456.7294
22	0.258	SLV_SX_D	Min	0.	0.	413.5013
22	0.516	SLV_SX_D	Min	0.	0.	366.8772
22	0.	SLV_DX_U	Max	0.	0.	-266.609
22	0.258	SLV_DX_U	Max	0.	0.	-289.0409
22	0.516	SLV_DX_U	Max	0.	0.	-312.2792
22	0.	SLV_DX_U	Min	0.	0.	-266.609
22	0.258	SLV_DX_U	Min	0.	0.	-289.0409
22	0.516	SLV_DX_U	Min	0.	0.	-312.2792
22	0.	SLV_SX_U	Max	0.	0.	357.0902
22	0.258	SLV_SX_U	Max	0.	0.	295.7526
22	0.516	SLV_SX_U	Max	0.	0.	231.5218
22	0.	SLV_SX_U	Min	0.	0.	357.0902
22	0.258	SLV_SX_U	Min	0.	0.	295.7526
22	0.516	SLV_SX_U	Min	0.	0.	231.5218
23	0.	SLE	Max	0.	0.	192.4706
23	0.258	SLE	Max	0.	0.	199.1428
23	0.516	SLE	Max	0.	0.	204.4426
23	0.	SLE	Min	0.	0.	192.4706
23	0.258	SLE	Min	0.	0.	199.1428
23	0.516	SLE	Min	0.	0.	204.4426
23	0.	SLU	Max	0.	0.	250.2118
23	0.258	SLU	Max	0.	0.	258.8856
23	0.516	SLU	Max	0.	0.	265.7754
23	0.	SLU	Min	0.	0.	250.2118
23	0.258	SLU	Min	0.	0.	258.8856
23	0.516	SLU	Min	0.	0.	265.7754
23	0.	SLV_DX_D	Max	0.	0.	-207.3756
23	0.258	SLV_DX_D	Max	0.	0.	-208.6919
23	0.516	SLV_DX_D	Max	0.	0.	-211.4137
23	0.	SLV_DX_D	Min	0.	0.	-207.3756
23	0.258	SLV_DX_D	Min	0.	0.	-208.6919
23	0.516	SLV_DX_D	Min	0.	0.	-211.4137
23	0.	SLV_SX_D	Max	0.	0.	366.8772
23	0.258	SLV_SX_D	Max	0.	0.	321.0859
23	0.516	SLV_SX_D	Max	0.	0.	272.295
23	0.	SLV_SX_D	Min	0.	0.	366.8772
23	0.258	SLV_SX_D	Min	0.	0.	321.0859
23	0.516	SLV_SX_D	Min	0.	0.	272.295
23	0.	SLV_DX_U	Max	0.	0.	-312.2792
23	0.258	SLV_DX_U	Max	0.	0.	-328.7965
23	0.516	SLV_DX_U	Max	0.	0.	-346.1978
23	0.	SLV_DX_U	Min	0.	0.	-312.2792
23	0.258	SLV_DX_U	Min	0.	0.	-328.7965
23	0.516	SLV_DX_U	Min	0.	0.	-346.1978
23	0.	SLV_SX_U	Max	0.	0.	231.5218
23	0.258	SLV_SX_U	Max	0.	0.	170.6556
23	0.516	SLV_SX_U	Max	0.	0.	107.3113
23	0.	SLV_SX_U	Min	0.	0.	231.5218
23	0.258	SLV_SX_U	Min	0.	0.	170.6556
23	0.516	SLV_SX_U	Min	0.	0.	107.3113
24	0.	SLE	Max	0.	0.	204.4426

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
24	0.258	SLE	Max	0.	0.	208.3426
24	0.516	SLE	Max	0.	0.	210.8295
24	0.	SLE	Min	0.	0.	204.4426
24	0.258	SLE	Min	0.	0.	208.3426
24	0.516	SLE	Min	0.	0.	210.8295
24	0.	SLU	Max	0.	0.	265.7754
24	0.258	SLU	Max	0.	0.	270.8454
24	0.516	SLU	Max	0.	0.	274.0783
24	0.	SLU	Min	0.	0.	265.7754
24	0.258	SLU	Min	0.	0.	270.8454
24	0.516	SLU	Min	0.	0.	274.0783
24	0.	SLV_DX_D	Max	0.	0.	-211.4137
24	0.258	SLV_DX_D	Max	0.	0.	-208.8427
24	0.516	SLV_DX_D	Max	0.	0.	-207.7656
24	0.	SLV_DX_D	Min	0.	0.	-211.4137
24	0.258	SLV_DX_D	Min	0.	0.	-208.8427
24	0.516	SLV_DX_D	Min	0.	0.	-207.7656
24	0.	SLV_SX_D	Max	0.	0.	272.295
24	0.258	SLV_SX_D	Max	0.	0.	225.4931
24	0.516	SLV_SX_D	Max	0.	0.	176.0446
24	0.	SLV_SX_D	Min	0.	0.	272.295
24	0.258	SLV_SX_D	Min	0.	0.	225.4931
24	0.516	SLV_SX_D	Min	0.	0.	176.0446
24	0.	SLV_DX_U	Max	0.	0.	-346.1978
24	0.258	SLV_DX_U	Max	0.	0.	-356.5961
24	0.516	SLV_DX_U	Max	0.	0.	-367.9512
24	0.	SLV_DX_U	Min	0.	0.	-346.1978
24	0.258	SLV_DX_U	Min	0.	0.	-356.5961
24	0.516	SLV_DX_U	Min	0.	0.	-367.9512
24	0.	SLV_SX_U	Max	0.	0.	107.3113
24	0.258	SLV_SX_U	Max	0.	0.	48.7798
24	0.516	SLV_SX_U	Max	0.	0.	-11.8612
24	0.	SLV_SX_U	Min	0.	0.	107.3113
24	0.258	SLV_SX_U	Min	0.	0.	48.7798
24	0.516	SLV_SX_U	Min	0.	0.	-11.8612
25	0.	SLE	Max	0.	0.	210.8295
25	0.258	SLE	Max	0.	0.	212.0401
25	0.516	SLE	Max	0.	0.	211.8045
25	0.	SLE	Min	0.	0.	210.8295
25	0.258	SLE	Min	0.	0.	212.0401
25	0.516	SLE	Min	0.	0.	211.8045
25	0.	SLU	Max	0.	0.	274.0783
25	0.258	SLU	Max	0.	0.	275.6522
25	0.516	SLU	Max	0.	0.	275.3459
25	0.	SLU	Min	0.	0.	274.0783
25	0.258	SLU	Min	0.	0.	275.6522
25	0.516	SLU	Min	0.	0.	275.3459
25	0.	SLV_DX_D	Max	0.	0.	-207.7656
25	0.258	SLV_DX_D	Max	0.	0.	-201.2848
25	0.516	SLV_DX_D	Max	0.	0.	-196.3777
25	0.	SLV_DX_D	Min	0.	0.	-207.7656
25	0.258	SLV_DX_D	Min	0.	0.	-201.2848
25	0.516	SLV_DX_D	Min	0.	0.	-196.3777
25	0.	SLV_SX_D	Max	0.	0.	176.0446

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
25	0.258	SLV_SX_D	Max	0.	0.	129.708
25	0.516	SLV_SX_D	Max	0.	0.	81.026
25	0.	SLV_SX_D	Min	0.	0.	176.0446
25	0.258	SLV_SX_D	Min	0.	0.	129.708
25	0.516	SLV_SX_D	Min	0.	0.	81.026
25	0.	SLV_DX_U	Max	0.	0.	-367.9512
25	0.258	SLV_DX_U	Max	0.	0.	-372.0249
25	0.516	SLV_DX_U	Max	0.	0.	-377.1227
25	0.	SLV_DX_U	Min	0.	0.	-367.9512
25	0.258	SLV_DX_U	Min	0.	0.	-372.0249
25	0.516	SLV_DX_U	Min	0.	0.	-377.1227
25	0.	SLV_SX_U	Max	0.	0.	-11.8612
25	0.258	SLV_SX_U	Max	0.	0.	-66.3619
25	0.516	SLV_SX_U	Max	0.	0.	-122.6584
25	0.	SLV_SX_U	Min	0.	0.	-11.8612
25	0.258	SLV_SX_U	Min	0.	0.	-66.3619
25	0.516	SLV_SX_U	Min	0.	0.	-122.6584
26	0.	SLE	Max	0.	0.	211.8045
26	0.258	SLE	Max	0.	0.	210.4648
26	0.516	SLE	Max	0.	0.	207.6539
26	0.	SLE	Min	0.	0.	211.8045
26	0.258	SLE	Min	0.	0.	210.4648
26	0.516	SLE	Min	0.	0.	207.6539
26	0.	SLU	Max	0.	0.	275.3459
26	0.258	SLU	Max	0.	0.	273.6042
26	0.516	SLU	Max	0.	0.	269.9501
26	0.	SLU	Min	0.	0.	275.3459
26	0.258	SLU	Min	0.	0.	273.6042
26	0.516	SLU	Min	0.	0.	269.9501
26	0.	SLV_DX_D	Max	0.	0.	-196.3777
26	0.258	SLV_DX_D	Max	0.	0.	-185.9403
26	0.516	SLV_DX_D	Max	0.	0.	-177.1477
26	0.	SLV_DX_D	Min	0.	0.	-196.3777
26	0.258	SLV_DX_D	Min	0.	0.	-185.9403
26	0.516	SLV_DX_D	Min	0.	0.	-177.1477
26	0.	SLV_SX_D	Max	0.	0.	81.026
26	0.258	SLV_SX_D	Max	0.	0.	36.5124
26	0.516	SLV_SX_D	Max	0.	0.	-10.1038
26	0.	SLV_SX_D	Min	0.	0.	81.026
26	0.258	SLV_SX_D	Min	0.	0.	36.5124
26	0.516	SLV_SX_D	Min	0.	0.	-10.1038
26	0.	SLV_DX_U	Max	0.	0.	-377.1227
26	0.258	SLV_DX_U	Max	0.	0.	-374.6682
26	0.516	SLV_DX_U	Max	0.	0.	-373.2995
26	0.	SLV_DX_U	Min	0.	0.	-377.1227
26	0.258	SLV_DX_U	Min	0.	0.	-374.6682
26	0.516	SLV_DX_U	Min	0.	0.	-373.2995
26	0.	SLV_SX_U	Max	0.	0.	-122.6584
26	0.258	SLV_SX_U	Max	0.	0.	-171.6357
26	0.516	SLV_SX_U	Max	0.	0.	-222.1565
26	0.	SLV_SX_U	Min	0.	0.	-122.6584
26	0.258	SLV_SX_U	Min	0.	0.	-171.6357
26	0.516	SLV_SX_U	Min	0.	0.	-222.1565
27	0.	SLE	Max	0.	0.	207.6539

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
27	0.258	SLE	Max	0.	0.	203.9477
27	0.516	SLE	Max	0.	0.	198.7537
27	0.	SLE	Min	0.	0.	207.6539
27	0.258	SLE	Min	0.	0.	203.9477
27	0.516	SLE	Min	0.	0.	198.7537
27	0.	SLU	Max	0.	0.	269.9501
27	0.258	SLU	Max	0.	0.	265.132
27	0.516	SLU	Max	0.	0.	258.3798
27	0.	SLU	Min	0.	0.	269.9501
27	0.258	SLU	Min	0.	0.	265.132
27	0.516	SLU	Min	0.	0.	258.3798
27	0.	SLV_DX_D	Max	0.	0.	-177.1477
27	0.258	SLV_DX_D	Max	0.	0.	-162.768
27	0.516	SLV_DX_D	Max	0.	0.	-150.0951
27	0.	SLV_DX_D	Min	0.	0.	-177.1477
27	0.258	SLV_DX_D	Min	0.	0.	-162.768
27	0.516	SLV_DX_D	Min	0.	0.	-150.0951
27	0.	SLV_SX_D	Max	0.	0.	-10.1038
27	0.258	SLV_SX_D	Max	0.	0.	-51.5981
27	0.516	SLV_SX_D	Max	0.	0.	-95.0158
27	0.	SLV_SX_D	Min	0.	0.	-10.1038
27	0.258	SLV_SX_D	Min	0.	0.	-51.5981
27	0.516	SLV_SX_D	Min	0.	0.	-95.0158
27	0.	SLV_DX_U	Max	0.	0.	-373.2995
27	0.258	SLV_DX_U	Max	0.	0.	-364.1233
27	0.516	SLV_DX_U	Max	0.	0.	-356.0885
27	0.	SLV_DX_U	Min	0.	0.	-373.2995
27	0.258	SLV_DX_U	Min	0.	0.	-364.1233
27	0.516	SLV_DX_U	Min	0.	0.	-356.0885
27	0.	SLV_SX_U	Max	0.	0.	-222.1565
27	0.258	SLV_SX_U	Max	0.	0.	-264.4182
27	0.516	SLV_SX_U	Max	0.	0.	-308.038
27	0.	SLV_SX_U	Min	0.	0.	-222.1565
27	0.258	SLV_SX_U	Min	0.	0.	-264.4182
27	0.516	SLV_SX_U	Min	0.	0.	-308.038
28	0.	SLE	Max	0.	0.	198.7537
28	0.258	SLE	Max	0.	0.	192.8998
28	0.516	SLE	Max	0.	0.	185.5497
28	0.	SLE	Min	0.	0.	198.7537
28	0.258	SLE	Min	0.	0.	192.8998
28	0.516	SLE	Min	0.	0.	185.5497
28	0.	SLU	Max	0.	0.	258.3798
28	0.258	SLU	Max	0.	0.	250.7698
28	0.516	SLU	Max	0.	0.	241.2147
28	0.	SLU	Min	0.	0.	258.3798
28	0.258	SLU	Min	0.	0.	250.7698
28	0.516	SLU	Min	0.	0.	241.2147
28	0.	SLV_DX_D	Max	0.	0.	-150.0951
28	0.258	SLV_DX_D	Max	0.	0.	-131.8156
28	0.516	SLV_DX_D	Max	0.	0.	-115.2953
28	0.	SLV_DX_D	Min	0.	0.	-150.0951
28	0.258	SLV_DX_D	Min	0.	0.	-131.8156
28	0.516	SLV_DX_D	Min	0.	0.	-115.2953
28	0.	SLV_SX_D	Max	0.	0.	-95.0158

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
28	0.258	SLV_SX_D	Max	0.	0.	-132.4891
28	0.516	SLV_SX_D	Max	0.	0.	-171.7741
28	0.	SLV_SX_D	Min	0.	0.	-95.0158
28	0.258	SLV_SX_D	Min	0.	0.	-132.4891
28	0.516	SLV_SX_D	Min	0.	0.	-171.7741
28	0.	SLV_DX_U	Max	0.	0.	-356.0885
28	0.258	SLV_DX_U	Max	0.	0.	-340.0145
28	0.516	SLV_DX_U	Max	0.	0.	-325.1311
28	0.	SLV_DX_U	Min	0.	0.	-356.0885
28	0.258	SLV_DX_U	Min	0.	0.	-340.0145
28	0.516	SLV_DX_U	Min	0.	0.	-325.1311
28	0.	SLV_SX_U	Max	0.	0.	-308.038
28	0.258	SLV_SX_U	Max	0.	0.	-342.8857
28	0.516	SLV_SX_U	Max	0.	0.	-378.9766
28	0.	SLV_SX_U	Min	0.	0.	-308.038
28	0.258	SLV_SX_U	Min	0.	0.	-342.8857
28	0.516	SLV_SX_U	Min	0.	0.	-378.9766
29	0.	SLE	Max	0.	0.	185.5497
29	0.258	SLE	Max	0.	0.	177.8052
29	0.516	SLE	Max	0.	0.	168.5645
29	0.	SLE	Min	0.	0.	185.5497
29	0.258	SLE	Min	0.	0.	177.8052
29	0.516	SLE	Min	0.	0.	168.5645
29	0.	SLU	Max	0.	0.	241.2147
29	0.258	SLU	Max	0.	0.	231.1468
29	0.516	SLU	Max	0.	0.	219.1339
29	0.	SLU	Min	0.	0.	241.2147
29	0.258	SLU	Min	0.	0.	231.1468
29	0.516	SLU	Min	0.	0.	219.1339
29	0.	SLV_DX_D	Max	0.	0.	-115.2953
29	0.258	SLV_DX_D	Max	0.	0.	-93.1352
29	0.516	SLV_DX_D	Max	0.	0.	-72.7868
29	0.	SLV_DX_D	Min	0.	0.	-115.2953
29	0.258	SLV_DX_D	Min	0.	0.	-93.1352
29	0.516	SLV_DX_D	Min	0.	0.	-72.7868
29	0.	SLV_SX_D	Max	0.	0.	-171.7741
29	0.258	SLV_SX_D	Max	0.	0.	-204.4251
29	0.516	SLV_SX_D	Max	0.	0.	-238.8354
29	0.	SLV_SX_D	Min	0.	0.	-171.7741
29	0.258	SLV_SX_D	Min	0.	0.	-204.4251
29	0.516	SLV_SX_D	Min	0.	0.	-238.8354
29	0.	SLV_DX_U	Max	0.	0.	-325.1311
29	0.258	SLV_DX_U	Max	0.	0.	-302.0008
29	0.516	SLV_DX_U	Max	0.	0.	-280.1137
29	0.	SLV_DX_U	Min	0.	0.	-325.1311
29	0.258	SLV_DX_U	Min	0.	0.	-302.0008
29	0.516	SLV_DX_U	Min	0.	0.	-280.1137
29	0.	SLV_SX_U	Max	0.	0.	-378.9766
29	0.258	SLV_SX_U	Max	0.	0.	-406.0235
29	0.516	SLV_SX_U	Max	0.	0.	-434.2609
29	0.	SLV_SX_U	Min	0.	0.	-378.9766
29	0.258	SLV_SX_U	Min	0.	0.	-406.0235
29	0.516	SLV_SX_U	Min	0.	0.	-434.2609
30	0.	SLE	Max	0.	0.	168.5645

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
30	0.258	SLE	Max	0.	0.	159.1814
30	0.516	SLE	Max	0.	0.	148.3105
30	0.	SLE	Min	0.	0.	168.5645
30	0.258	SLE	Min	0.	0.	159.1814
30	0.516	SLE	Min	0.	0.	148.3105
30	0.	SLU	Max	0.	0.	219.1339
30	0.258	SLU	Max	0.	0.	206.9358
30	0.516	SLU	Max	0.	0.	192.8036
30	0.	SLU	Min	0.	0.	219.1339
30	0.258	SLU	Min	0.	0.	206.9358
30	0.516	SLU	Min	0.	0.	192.8036
30	0.	SLV_DX_D	Max	0.	0.	-72.7868
30	0.258	SLV_DX_D	Max	0.	0.	-46.8773
30	0.516	SLV_DX_D	Max	0.	0.	-22.8912
30	0.	SLV_DX_D	Min	0.	0.	-72.7868
30	0.258	SLV_DX_D	Min	0.	0.	-46.8773
30	0.516	SLV_DX_D	Min	0.	0.	-22.8912
30	0.	SLV_SX_D	Max	0.	0.	-238.8354
30	0.258	SLV_SX_D	Max	0.	0.	-266.0473
30	0.516	SLV_SX_D	Max	0.	0.	-294.966
30	0.	SLV_SX_D	Min	0.	0.	-238.8354
30	0.258	SLV_SX_D	Min	0.	0.	-266.0473
30	0.516	SLV_SX_D	Min	0.	0.	-294.966
30	0.	SLV_DX_U	Max	0.	0.	-280.1137
30	0.258	SLV_DX_U	Max	0.	0.	-249.9076
30	0.516	SLV_DX_U	Max	0.	0.	-221.0595
30	0.	SLV_DX_U	Min	0.	0.	-280.1137
30	0.258	SLV_DX_U	Min	0.	0.	-249.9076
30	0.516	SLV_DX_U	Min	0.	0.	-221.0595
30	0.	SLV_SX_U	Max	0.	0.	-434.2609
30	0.258	SLV_SX_U	Max	0.	0.	-453.3183
30	0.516	SLV_SX_U	Max	0.	0.	-473.5172
30	0.	SLV_SX_U	Min	0.	0.	-434.2609
30	0.258	SLV_SX_U	Min	0.	0.	-453.3183
30	0.516	SLV_SX_U	Min	0.	0.	-473.5172
31	0.	SLE	Max	0.	0.	148.3105
31	0.258	SLE	Max	0.	0.	137.5659
31	0.516	SLE	Max	0.	0.	125.3501
31	0.	SLE	Min	0.	0.	148.3105
31	0.258	SLE	Min	0.	0.	137.5659
31	0.516	SLE	Min	0.	0.	125.3501
31	0.	SLU	Max	0.	0.	192.8036
31	0.258	SLU	Max	0.	0.	178.8356
31	0.516	SLU	Max	0.	0.	162.9552
31	0.	SLU	Min	0.	0.	192.8036
31	0.258	SLU	Min	0.	0.	178.8356
31	0.516	SLU	Min	0.	0.	162.9552
31	0.	SLV_DX_D	Max	0.	0.	-22.8912
31	0.258	SLV_DX_D	Max	0.	0.	6.4317
31	0.516	SLV_DX_D	Max	0.	0.	33.6521
31	0.	SLV_DX_D	Min	0.	0.	-22.8912
31	0.258	SLV_DX_D	Min	0.	0.	6.4317
31	0.516	SLV_DX_D	Min	0.	0.	33.6521
31	0.	SLV_SX_D	Max	0.	0.	-294.966

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
31	0.258	SLV_SX_D	Max	0.	0.	-316.3092
31	0.516	SLV_SX_D	Max	0.	0.	-339.2972
31	0.	SLV_SX_D	Min	0.	0.	-294.966
31	0.258	SLV_SX_D	Min	0.	0.	-316.3092
31	0.516	SLV_SX_D	Min	0.	0.	-339.2972
31	0.	SLV_DX_U	Max	0.	0.	-221.0595
31	0.258	SLV_DX_U	Max	0.	0.	-184.0795
31	0.516	SLV_DX_U	Max	0.	0.	-148.6431
31	0.	SLV_DX_U	Min	0.	0.	-221.0595
31	0.258	SLV_DX_U	Min	0.	0.	-184.0795
31	0.516	SLV_DX_U	Min	0.	0.	-148.6431
31	0.	SLV_SX_U	Max	0.	0.	-473.5172
31	0.258	SLV_SX_U	Max	0.	0.	-484.4308
31	0.516	SLV_SX_U	Max	0.	0.	-496.4303
31	0.	SLV_SX_U	Min	0.	0.	-473.5172
31	0.258	SLV_SX_U	Min	0.	0.	-484.4308
31	0.516	SLV_SX_U	Min	0.	0.	-496.4303
32	0.	SLE	Max	0.	0.	125.3501
32	0.258	SLE	Max	0.	0.	113.5299
32	0.516	SLE	Max	0.	0.	100.2635
32	0.	SLE	Min	0.	0.	125.3501
32	0.258	SLE	Min	0.	0.	113.5299
32	0.516	SLE	Min	0.	0.	100.2635
32	0.	SLU	Max	0.	0.	162.9552
32	0.258	SLU	Max	0.	0.	147.5889
32	0.516	SLU	Max	0.	0.	130.3426
32	0.	SLU	Min	0.	0.	162.9552
32	0.258	SLU	Min	0.	0.	147.5889
32	0.516	SLU	Min	0.	0.	130.3426
32	0.	SLV_DX_D	Max	0.	0.	33.6521
32	0.258	SLV_DX_D	Max	0.	0.	65.8247
32	0.516	SLV_DX_D	Max	0.	0.	95.6519
32	0.	SLV_DX_D	Min	0.	0.	33.6521
32	0.258	SLV_DX_D	Min	0.	0.	65.8247
32	0.516	SLV_DX_D	Min	0.	0.	95.6519
32	0.	SLV_SX_D	Max	0.	0.	-339.2972
32	0.258	SLV_SX_D	Max	0.	0.	-354.441
32	0.516	SLV_SX_D	Max	0.	0.	-371.1586
32	0.	SLV_SX_D	Min	0.	0.	-339.2972
32	0.258	SLV_SX_D	Min	0.	0.	-354.441
32	0.516	SLV_SX_D	Min	0.	0.	-371.1586
32	0.	SLV_DX_U	Max	0.	0.	-148.6431
32	0.258	SLV_DX_U	Max	0.	0.	-105.6404
32	0.516	SLV_DX_U	Max	0.	0.	-64.4334
32	0.	SLV_DX_U	Min	0.	0.	-148.6431
32	0.258	SLV_DX_U	Min	0.	0.	-105.6404
32	0.516	SLV_DX_U	Min	0.	0.	-64.4334
32	0.	SLV_SX_U	Max	0.	0.	-496.4303
32	0.258	SLV_SX_U	Max	0.	0.	-499.0759
32	0.516	SLV_SX_U	Max	0.	0.	-502.7456
32	0.	SLV_SX_U	Min	0.	0.	-496.4303
32	0.258	SLV_SX_U	Min	0.	0.	-499.0759
32	0.516	SLV_SX_U	Min	0.	0.	-502.7456
33	0.	SLE	Max	0.	0.	100.2635

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
33	0.258	SLE	Max	0.	0.	87.6613
33	0.516	SLE	Max	0.	0.	73.6458
33	0.	SLE	Min	0.	0.	100.2635
33	0.258	SLE	Min	0.	0.	87.6613
33	0.516	SLE	Min	0.	0.	73.6458
33	0.	SLU	Max	0.	0.	130.3426
33	0.258	SLU	Max	0.	0.	113.9597
33	0.516	SLU	Max	0.	0.	95.7395
33	0.	SLU	Min	0.	0.	130.3426
33	0.258	SLU	Min	0.	0.	113.9597
33	0.516	SLU	Min	0.	0.	95.7395
33	0.	SLV_DX_D	Max	0.	0.	95.6519
33	0.258	SLV_DX_D	Max	0.	0.	129.8986
33	0.516	SLV_DX_D	Max	0.	0.	161.4989
33	0.	SLV_DX_D	Min	0.	0.	95.6519
33	0.258	SLV_DX_D	Min	0.	0.	129.8986
33	0.516	SLV_DX_D	Min	0.	0.	161.4989
33	0.	SLV_SX_D	Max	0.	0.	-371.1586
33	0.258	SLV_SX_D	Max	0.	0.	-379.7704
33	0.516	SLV_SX_D	Max	0.	0.	-389.876
33	0.	SLV_SX_D	Min	0.	0.	-371.1586
33	0.258	SLV_SX_D	Min	0.	0.	-379.7704
33	0.516	SLV_SX_D	Min	0.	0.	-389.876
33	0.	SLV_DX_U	Max	0.	0.	-64.4334
33	0.258	SLV_DX_U	Max	0.	0.	-16.4497
33	0.516	SLV_DX_U	Max	0.	0.	29.4245
33	0.	SLV_DX_U	Min	0.	0.	-64.4334
33	0.258	SLV_DX_U	Min	0.	0.	-16.4497
33	0.516	SLV_DX_U	Min	0.	0.	29.4245
33	0.	SLV_SX_U	Max	0.	0.	-502.7456
33	0.258	SLV_SX_U	Max	0.	0.	-497.0275
33	0.516	SLV_SX_U	Max	0.	0.	-492.2661
33	0.	SLV_SX_U	Min	0.	0.	-502.7456
33	0.258	SLV_SX_U	Min	0.	0.	-497.0275
33	0.516	SLV_SX_U	Min	0.	0.	-492.2661
34	0.	SLE	Max	0.	0.	73.6458
34	0.258	SLE	Max	0.	0.	60.5635
34	0.516	SLE	Max	0.	0.	46.109
34	0.	SLE	Min	0.	0.	73.6458
34	0.258	SLE	Min	0.	0.	60.5635
34	0.516	SLE	Min	0.	0.	46.109
34	0.	SLU	Max	0.	0.	95.7395
34	0.258	SLU	Max	0.	0.	78.7326
34	0.516	SLU	Max	0.	0.	59.9417
34	0.	SLU	Min	0.	0.	95.7395
34	0.258	SLU	Min	0.	0.	78.7326
34	0.516	SLU	Min	0.	0.	59.9417
34	0.	SLV_DX_D	Max	0.	0.	161.4989
34	0.258	SLV_DX_D	Max	0.	0.	196.8606
34	0.516	SLV_DX_D	Max	0.	0.	229.2228
34	0.	SLV_DX_D	Min	0.	0.	161.4989
34	0.258	SLV_DX_D	Min	0.	0.	196.8606
34	0.516	SLV_DX_D	Min	0.	0.	229.2228
34	0.	SLV_SX_D	Max	0.	0.	-389.876

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
34	0.258	SLV_SX_D	Max	0.	0.	-391.6149
34	0.516	SLV_SX_D	Max	0.	0.	-394.7593
34	0.	SLV_SX_D	Min	0.	0.	-389.876
34	0.258	SLV_SX_D	Min	0.	0.	-391.6149
34	0.516	SLV_SX_D	Min	0.	0.	-394.7593
34	0.	SLV_DX_U	Max	0.	0.	29.4245
34	0.258	SLV_DX_U	Max	0.	0.	81.111
34	0.516	SLV_DX_U	Max	0.	0.	130.3195
34	0.	SLV_DX_U	Min	0.	0.	29.4245
34	0.258	SLV_DX_U	Min	0.	0.	81.111
34	0.516	SLV_DX_U	Min	0.	0.	130.3195
34	0.	SLV_SX_U	Max	0.	0.	-492.2661
34	0.258	SLV_SX_U	Max	0.	0.	-478.1144
34	0.516	SLV_SX_U	Max	0.	0.	-464.8468
34	0.	SLV_SX_U	Min	0.	0.	-492.2661
34	0.258	SLV_SX_U	Min	0.	0.	-478.1144
34	0.516	SLV_SX_U	Min	0.	0.	-464.8468
35	0.	SLE	Max	0.	0.	46.109
35	0.258	SLE	Max	0.	0.	32.8577
35	0.516	SLE	Max	0.	0.	18.2827
35	0.	SLE	Min	0.	0.	46.109
35	0.258	SLE	Min	0.	0.	32.8577
35	0.516	SLE	Min	0.	0.	18.2827
35	0.	SLU	Max	0.	0.	59.9417
35	0.258	SLU	Max	0.	0.	42.715
35	0.516	SLU	Max	0.	0.	23.7675
35	0.	SLU	Min	0.	0.	59.9417
35	0.258	SLU	Min	0.	0.	42.715
35	0.516	SLU	Min	0.	0.	23.7675
35	0.	SLV_DX_D	Max	0.	0.	229.2228
35	0.258	SLV_DX_D	Max	0.	0.	264.586
35	0.516	SLV_DX_D	Max	0.	0.	296.553
35	0.	SLV_DX_D	Min	0.	0.	229.2228
35	0.258	SLV_DX_D	Min	0.	0.	264.586
35	0.516	SLV_DX_D	Min	0.	0.	296.553
35	0.	SLV_SX_D	Max	0.	0.	-394.7593
35	0.258	SLV_SX_D	Max	0.	0.	-389.2753
35	0.516	SLV_SX_D	Max	0.	0.	-385.1006
35	0.	SLV_SX_D	Min	0.	0.	-394.7593
35	0.258	SLV_SX_D	Min	0.	0.	-389.2753
35	0.516	SLV_SX_D	Min	0.	0.	-385.1006
35	0.	SLV_DX_U	Max	0.	0.	130.3195
35	0.258	SLV_DX_U	Max	0.	0.	184.2231
35	0.516	SLV_DX_U	Max	0.	0.	235.2336
35	0.	SLV_DX_U	Min	0.	0.	130.3195
35	0.258	SLV_DX_U	Min	0.	0.	184.2231
35	0.516	SLV_DX_U	Min	0.	0.	235.2336
35	0.	SLV_SX_U	Max	0.	0.	-464.8468
35	0.258	SLV_SX_U	Max	0.	0.	-442.2193
35	0.516	SLV_SX_U	Max	0.	0.	-420.3981
35	0.	SLV_SX_U	Min	0.	0.	-464.8468
35	0.258	SLV_SX_U	Min	0.	0.	-442.2193
35	0.516	SLV_SX_U	Min	0.	0.	-420.3981
36	0.	SLE	Max	0.	0.	18.2827

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
36	0.23546	SLE	Max	0.	0.	3.3208
36	0.47092	SLE	Max	0.	0.	-12.712
36	0.	SLE	Min	0.	0.	18.2827
36	0.23546	SLE	Min	0.	0.	3.3208
36	0.47092	SLE	Min	0.	0.	-12.712
36	0.	SLU	Max	0.	0.	23.7675
36	0.23546	SLU	Max	0.	0.	4.3171
36	0.47092	SLU	Max	0.	0.	-16.5256
36	0.	SLU	Min	0.	0.	23.7675
36	0.23546	SLU	Min	0.	0.	4.3171
36	0.47092	SLU	Min	0.	0.	-16.5256
36	0.	SLV_DX_D	Max	0.	0.	296.553
36	0.23546	SLV_DX_D	Max	0.	0.	323.6737
36	0.47092	SLV_DX_D	Max	0.	0.	347.7195
36	0.	SLV_DX_D	Min	0.	0.	296.553
36	0.23546	SLV_DX_D	Min	0.	0.	323.6737
36	0.47092	SLV_DX_D	Min	0.	0.	347.7195
36	0.	SLV_SX_D	Max	0.	0.	-385.1006
36	0.23546	SLV_SX_D	Max	0.	0.	-378.9017
36	0.47092	SLV_SX_D	Max	0.	0.	-373.7343
36	0.	SLV_SX_D	Min	0.	0.	-385.1006
36	0.23546	SLV_SX_D	Min	0.	0.	-378.9017
36	0.47092	SLV_SX_D	Min	0.	0.	-373.7343
36	0.	SLV_DX_U	Max	0.	0.	235.2336
36	0.23546	SLV_DX_U	Max	0.	0.	281.4244
36	0.47092	SLV_DX_U	Max	0.	0.	324.9474
36	0.	SLV_DX_U	Min	0.	0.	235.2336
36	0.23546	SLV_DX_U	Min	0.	0.	281.4244
36	0.47092	SLV_DX_U	Min	0.	0.	324.9474
36	0.	SLV_SX_U	Max	0.	0.	-420.3981
36	0.23546	SLV_SX_U	Max	0.	0.	-397.165
36	0.47092	SLV_SX_U	Max	0.	0.	-374.5565
36	0.	SLV_SX_U	Min	0.	0.	-420.3981
36	0.23546	SLV_SX_U	Min	0.	0.	-397.165
36	0.47092	SLV_SX_U	Min	0.	0.	-374.5565
37	0.	SLE	Max	0.	0.	-12.712
37	0.23546	SLE	Max	0.	0.	-33.4227
37	0.47092	SLE	Max	0.	0.	-55.2088
37	0.	SLE	Min	0.	0.	-12.712
37	0.23546	SLE	Min	0.	0.	-33.4227
37	0.47092	SLE	Min	0.	0.	-55.2088
37	0.	SLU	Max	0.	0.	-16.5256
37	0.23546	SLU	Max	0.	0.	-43.4495
37	0.47092	SLU	Max	0.	0.	-71.7714
37	0.	SLU	Min	0.	0.	-16.5256
37	0.23546	SLU	Min	0.	0.	-43.4495
37	0.47092	SLU	Min	0.	0.	-71.7714
37	0.	SLV_DX_D	Max	0.	0.	347.7195
37	0.23546	SLV_DX_D	Max	0.	0.	365.1607
37	0.47092	SLV_DX_D	Max	0.	0.	379.3517
37	0.	SLV_DX_D	Min	0.	0.	347.7195
37	0.23546	SLV_DX_D	Min	0.	0.	365.1607
37	0.47092	SLV_DX_D	Min	0.	0.	379.3517
37	0.	SLV_SX_D	Max	0.	0.	-373.7343

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
37	0.23546	SLV_SX_D	Max	0.	0.	-371.9277
37	0.47092	SLV_SX_D	Max	0.	0.	-371.1407
37	0.	SLV_SX_D	Min	0.	0.	-373.7343
37	0.23546	SLV_SX_D	Min	0.	0.	-371.9277
37	0.47092	SLV_SX_D	Min	0.	0.	-371.1407
37	0.	SLV_DX_U	Max	0.	0.	324.9474
37	0.23546	SLV_DX_U	Max	0.	0.	363.9099
37	0.47092	SLV_DX_U	Max	0.	0.	400.031
37	0.	SLV_DX_U	Min	0.	0.	324.9474
37	0.23546	SLV_DX_U	Min	0.	0.	363.9099
37	0.47092	SLV_DX_U	Min	0.	0.	400.031
37	0.	SLV_SX_U	Max	0.	0.	-374.5565
37	0.23546	SLV_SX_U	Max	0.	0.	-353.9202
37	0.47092	SLV_SX_U	Max	0.	0.	-333.895
37	0.	SLV_SX_U	Min	0.	0.	-374.5565
37	0.23546	SLV_SX_U	Min	0.	0.	-353.9202
37	0.47092	SLV_SX_U	Min	0.	0.	-333.895
38	0.	SLE	Max	0.	0.	-55.2088
38	0.23546	SLE	Max	0.	0.	-81.8044
38	0.47092	SLE	Max	0.	0.	-109.5011
38	0.	SLE	Min	0.	0.	-55.2088
38	0.23546	SLE	Min	0.	0.	-81.8044
38	0.47092	SLE	Min	0.	0.	-109.5011
38	0.	SLU	Max	0.	0.	-71.7714
38	0.23546	SLU	Max	0.	0.	-106.3457
38	0.47092	SLU	Max	0.	0.	-142.3515
38	0.	SLU	Min	0.	0.	-71.7714
38	0.23546	SLU	Min	0.	0.	-106.3457
38	0.47092	SLU	Min	0.	0.	-142.3515
38	0.	SLV_DX_D	Max	0.	0.	379.3517
38	0.23546	SLV_DX_D	Max	0.	0.	386.4455
38	0.47092	SLV_DX_D	Max	0.	0.	390.0783
38	0.	SLV_DX_D	Min	0.	0.	379.3517
38	0.23546	SLV_DX_D	Min	0.	0.	386.4455
38	0.47092	SLV_DX_D	Min	0.	0.	390.0783
38	0.	SLV_SX_D	Max	0.	0.	-371.1407
38	0.23546	SLV_SX_D	Max	0.	0.	-373.8063
38	0.47092	SLV_SX_D	Max	0.	0.	-377.4988
38	0.	SLV_SX_D	Min	0.	0.	-371.1407
38	0.23546	SLV_SX_D	Min	0.	0.	-373.8063
38	0.47092	SLV_SX_D	Min	0.	0.	-377.4988
38	0.	SLV_DX_U	Max	0.	0.	400.031
38	0.23546	SLV_DX_U	Max	0.	0.	431.0345
38	0.47092	SLV_DX_U	Max	0.	0.	458.9955
38	0.	SLV_DX_U	Min	0.	0.	400.031
38	0.23546	SLV_DX_U	Min	0.	0.	431.0345
38	0.47092	SLV_DX_U	Min	0.	0.	458.9955
38	0.	SLV_SX_U	Max	0.	0.	-333.895
38	0.23546	SLV_SX_U	Max	0.	0.	-315.9432
38	0.47092	SLV_SX_U	Max	0.	0.	-298.5998
38	0.	SLV_SX_U	Min	0.	0.	-333.895
38	0.23546	SLV_SX_U	Min	0.	0.	-315.9432
38	0.47092	SLV_SX_U	Min	0.	0.	-298.5998
39	0.	SLE	Max	0.	0.	-109.5011

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
39	0.23546	SLE	Max	0.	0.	-142.1758
39	0.47092	SLE	Max	0.	0.	-176.0309
39	0.	SLE	Min	0.	0.	-109.5011
39	0.23546	SLE	Min	0.	0.	-142.1758
39	0.47092	SLE	Min	0.	0.	-176.0309
39	0.	SLU	Max	0.	0.	-142.3515
39	0.23546	SLU	Max	0.	0.	-184.8286
39	0.47092	SLU	Max	0.	0.	-228.8402
39	0.	SLU	Min	0.	0.	-142.3515
39	0.23546	SLU	Min	0.	0.	-184.8286
39	0.47092	SLU	Min	0.	0.	-228.8402
39	0.	SLV_DX_D	Max	0.	0.	390.0783
39	0.23546	SLV_DX_D	Max	0.	0.	386.0656
39	0.47092	SLV_DX_D	Max	0.	0.	378.2976
39	0.	SLV_DX_D	Min	0.	0.	390.0783
39	0.23546	SLV_DX_D	Min	0.	0.	386.0656
39	0.47092	SLV_DX_D	Min	0.	0.	378.2976
39	0.	SLV_SX_D	Max	0.	0.	-377.4988
39	0.23546	SLV_SX_D	Max	0.	0.	-384.7522
39	0.47092	SLV_SX_D	Max	0.	0.	-393.0871
39	0.	SLV_SX_D	Min	0.	0.	-377.4988
39	0.23546	SLV_SX_D	Min	0.	0.	-384.7522
39	0.47092	SLV_SX_D	Min	0.	0.	-393.0871
39	0.	SLV_DX_U	Max	0.	0.	458.9955
39	0.23546	SLV_DX_U	Max	0.	0.	481.2307
39	0.47092	SLV_DX_U	Max	0.	0.	500.1592
39	0.	SLV_DX_U	Min	0.	0.	458.9955
39	0.23546	SLV_DX_U	Min	0.	0.	481.2307
39	0.47092	SLV_DX_U	Min	0.	0.	500.1592
39	0.	SLV_SX_U	Max	0.	0.	-298.5998
39	0.23546	SLV_SX_U	Max	0.	0.	-283.4426
39	0.47092	SLV_SX_U	Max	0.	0.	-268.9184
39	0.	SLV_SX_U	Min	0.	0.	-298.5998
39	0.23546	SLV_SX_U	Min	0.	0.	-283.4426
39	0.47092	SLV_SX_U	Min	0.	0.	-268.9184
40	0.	SLE	Max	0.	0.	-176.0309
40	0.23546	SLE	Max	0.	0.	-215.0694
40	0.47092	SLE	Max	0.	0.	-255.3953
40	0.	SLE	Min	0.	0.	-176.0309
40	0.23546	SLE	Min	0.	0.	-215.0694
40	0.47092	SLE	Min	0.	0.	-255.3953
40	0.	SLU	Max	0.	0.	-228.8402
40	0.23546	SLU	Max	0.	0.	-279.5902
40	0.47092	SLU	Max	0.	0.	-332.0139
40	0.	SLU	Min	0.	0.	-228.8402
40	0.23546	SLU	Min	0.	0.	-279.5902
40	0.47092	SLU	Min	0.	0.	-332.0139
40	0.	SLV_DX_D	Max	0.	0.	378.2976
40	0.23546	SLV_DX_D	Max	0.	0.	362.2779
40	0.47092	SLV_DX_D	Max	0.	0.	342.1608
40	0.	SLV_DX_D	Min	0.	0.	378.2976
40	0.23546	SLV_DX_D	Min	0.	0.	362.2779
40	0.47092	SLV_DX_D	Min	0.	0.	342.1608
40	0.	SLV_SX_D	Max	0.	0.	-393.0871

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
40	0.23546	SLV_SX_D	Max	0.	0.	-405.1058
40	0.47092	SLV_SX_D	Max	0.	0.	-418.2822
40	0.	SLV_SX_D	Min	0.	0.	-393.0871
40	0.23546	SLV_SX_D	Min	0.	0.	-405.1058
40	0.47092	SLV_SX_D	Min	0.	0.	-418.2822
40	0.	SLV_DX_U	Max	0.	0.	500.1592
40	0.23546	SLV_DX_U	Max	0.	0.	512.6999
40	0.47092	SLV_DX_U	Max	0.	0.	521.6325
40	0.	SLV_DX_U	Min	0.	0.	500.1592
40	0.23546	SLV_DX_U	Min	0.	0.	512.6999
40	0.47092	SLV_DX_U	Min	0.	0.	521.6325
40	0.	SLV_SX_U	Max	0.	0.	-268.9184
40	0.23546	SLV_SX_U	Max	0.	0.	-256.705
40	0.47092	SLV_SX_U	Max	0.	0.	-245.1601
40	0.	SLV_SX_U	Min	0.	0.	-268.9184
40	0.23546	SLV_SX_U	Min	0.	0.	-256.705
40	0.47092	SLV_SX_U	Min	0.	0.	-245.1601
41	0.	SLE	Max	0.	0.	-255.3953
41	0.23546	SLE	Max	0.	0.	-301.1278
41	0.47092	SLE	Max	0.	0.	-348.2802
41	0.	SLE	Min	0.	0.	-255.3953
41	0.23546	SLE	Min	0.	0.	-301.1278
41	0.47092	SLE	Min	0.	0.	-348.2802
41	0.	SLU	Max	0.	0.	-332.0139
41	0.23546	SLU	Max	0.	0.	-391.4661
41	0.47092	SLU	Max	0.	0.	-452.7642
41	0.	SLU	Min	0.	0.	-332.0139
41	0.23546	SLU	Min	0.	0.	-391.4661
41	0.47092	SLU	Min	0.	0.	-452.7642
41	0.	SLV_DX_D	Max	0.	0.	342.1608
41	0.23546	SLV_DX_D	Max	0.	0.	313.1529
41	0.47092	SLV_DX_D	Max	0.	0.	279.6602
41	0.	SLV_DX_D	Min	0.	0.	342.1608
41	0.23546	SLV_DX_D	Min	0.	0.	313.1529
41	0.47092	SLV_DX_D	Min	0.	0.	279.6602
41	0.	SLV_SX_D	Max	0.	0.	-418.2822
41	0.23546	SLV_SX_D	Max	0.	0.	-435.2599
41	0.47092	SLV_SX_D	Max	0.	0.	-453.4893
41	0.	SLV_SX_D	Min	0.	0.	-418.2822
41	0.23546	SLV_SX_D	Min	0.	0.	-435.2599
41	0.47092	SLV_SX_D	Min	0.	0.	-453.4893
41	0.	SLV_DX_U	Max	0.	0.	521.6325
41	0.23546	SLV_DX_U	Max	0.	0.	523.4795
41	0.47092	SLV_DX_U	Max	0.	0.	521.3812
41	0.	SLV_DX_U	Min	0.	0.	521.6325
41	0.23546	SLV_DX_U	Min	0.	0.	523.4795
41	0.47092	SLV_DX_U	Min	0.	0.	521.3812
41	0.	SLV_SX_U	Max	0.	0.	-245.1601
41	0.23546	SLV_SX_U	Max	0.	0.	-236.0502
41	0.47092	SLV_SX_U	Max	0.	0.	-227.6523
41	0.	SLV_SX_U	Min	0.	0.	-245.1601
41	0.23546	SLV_SX_U	Min	0.	0.	-236.0502
41	0.47092	SLV_SX_U	Min	0.	0.	-227.6523
42	0.	SLE	Max	0.	0.	-348.2802

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
42	0.23546	SLE	Max	0.	0.	-401.0783
42	0.47092	SLE	Max	0.	0.	-455.4515
42	0.	SLE	Min	0.	0.	-348.2802
42	0.23546	SLE	Min	0.	0.	-401.0783
42	0.47092	SLE	Min	0.	0.	-455.4515
42	0.	SLU	Max	0.	0.	-452.7642
42	0.23546	SLU	Max	0.	0.	-521.4017
42	0.47092	SLU	Max	0.	0.	-592.087
42	0.	SLU	Min	0.	0.	-452.7642
42	0.23546	SLU	Min	0.	0.	-521.4017
42	0.47092	SLU	Min	0.	0.	-592.087
42	0.	SLV_DX_D	Max	0.	0.	279.6602
42	0.23546	SLV_DX_D	Max	0.	0.	236.608
42	0.47092	SLV_DX_D	Max	0.	0.	188.641
42	0.	SLV_DX_D	Min	0.	0.	279.6602
42	0.23546	SLV_DX_D	Min	0.	0.	236.608
42	0.47092	SLV_DX_D	Min	0.	0.	188.641
42	0.	SLV_SX_D	Max	0.	0.	-453.4893
42	0.23546	SLV_SX_D	Max	0.	0.	-475.6322
42	0.47092	SLV_SX_D	Max	0.	0.	-499.1342
42	0.	SLV_SX_D	Min	0.	0.	-453.4893
42	0.23546	SLV_SX_D	Min	0.	0.	-475.6322
42	0.47092	SLV_SX_D	Min	0.	0.	-499.1342
42	0.	SLV_DX_U	Max	0.	0.	521.3812
42	0.23546	SLV_DX_U	Max	0.	0.	511.4652
42	0.47092	SLV_DX_U	Max	0.	0.	497.233
42	0.	SLV_DX_U	Min	0.	0.	521.3812
42	0.23546	SLV_DX_U	Min	0.	0.	511.4652
42	0.47092	SLV_DX_U	Min	0.	0.	497.233
42	0.	SLV_SX_U	Max	0.	0.	-227.6523
42	0.23546	SLV_SX_U	Max	0.	0.	-221.8144
42	0.47092	SLV_SX_U	Max	0.	0.	-216.7372
42	0.	SLV_SX_U	Min	0.	0.	-227.6523
42	0.23546	SLV_SX_U	Min	0.	0.	-221.8144
42	0.47092	SLV_SX_U	Min	0.	0.	-216.7372
43	0.	SLE	Max	0.	0.	-455.4515
43	0.23546	SLE	Max	0.	0.	-515.7202
43	0.47092	SLE	Max	0.	0.	-577.7495
43	0.	SLE	Min	0.	0.	-455.4515
43	0.23546	SLE	Min	0.	0.	-515.7202
43	0.47092	SLE	Min	0.	0.	-577.7495
43	0.	SLU	Max	0.	0.	-592.087
43	0.23546	SLU	Max	0.	0.	-670.4362
43	0.47092	SLU	Max	0.	0.	-751.0744
43	0.	SLU	Min	0.	0.	-592.087
43	0.23546	SLU	Min	0.	0.	-670.4362
43	0.47092	SLU	Min	0.	0.	-751.0744
43	0.	SLV_DX_D	Max	0.	0.	188.641
43	0.23546	SLV_DX_D	Max	0.	0.	130.4207
43	0.47092	SLV_DX_D	Max	0.	0.	66.8001
43	0.	SLV_DX_D	Min	0.	0.	188.641
43	0.23546	SLV_DX_D	Min	0.	0.	130.4207
43	0.47092	SLV_DX_D	Min	0.	0.	66.8001
43	0.	SLV_SX_D	Max	0.	0.	-499.1342

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
43	0.23546	SLV_SX_D	Max	0.	0.	-526.6459
43	0.47092	SLV_SX_D	Max	0.	0.	-555.6424
43	0.	SLV_SX_D	Min	0.	0.	-499.1342
43	0.23546	SLV_SX_D	Min	0.	0.	-526.6459
43	0.47092	SLV_SX_D	Min	0.	0.	-555.6424
43	0.	SLV_DX_U	Max	0.	0.	497.233
43	0.23546	SLV_DX_U	Max	0.	0.	474.4198
43	0.47092	SLV_DX_U	Max	0.	0.	446.8753
43	0.	SLV_DX_U	Min	0.	0.	497.233
43	0.23546	SLV_DX_U	Min	0.	0.	474.4198
43	0.47092	SLV_DX_U	Min	0.	0.	446.8753
43	0.	SLV_SX_U	Max	0.	0.	-216.7372
43	0.23546	SLV_SX_U	Max	0.	0.	-214.3369
43	0.47092	SLV_SX_U	Max	0.	0.	-212.7523
43	0.	SLV_SX_U	Min	0.	0.	-216.7372
43	0.23546	SLV_SX_U	Min	0.	0.	-214.3369
43	0.47092	SLV_SX_U	Min	0.	0.	-212.7523
44	0.	SLE	Max	0.	0.	-577.7495
44	0.23546	SLE	Max	0.	0.	-532.1887
44	0.47092	SLE	Max	0.	0.	-487.1386
44	0.	SLE	Min	0.	0.	-577.7495
44	0.23546	SLE	Min	0.	0.	-532.1887
44	0.47092	SLE	Min	0.	0.	-487.1386
44	0.	SLU	Max	0.	0.	-751.0744
44	0.23546	SLU	Max	0.	0.	-691.8453
44	0.47092	SLU	Max	0.	0.	-633.2802
44	0.	SLU	Min	0.	0.	-751.0744
44	0.23546	SLU	Min	0.	0.	-691.8453
44	0.47092	SLU	Min	0.	0.	-633.2802
44	0.	SLV_DX_D	Max	0.	0.	66.8001
44	0.23546	SLV_DX_D	Max	0.	0.	112.5951
44	0.47092	SLV_DX_D	Max	0.	0.	151.2379
44	0.	SLV_DX_D	Min	0.	0.	66.8001
44	0.23546	SLV_DX_D	Min	0.	0.	112.5951
44	0.47092	SLV_DX_D	Min	0.	0.	151.2379
44	0.	SLV_SX_D	Max	0.	0.	-555.6424
44	0.23546	SLV_SX_D	Max	0.	0.	-417.9878
44	0.47092	SLV_SX_D	Max	0.	0.	-280.0564
44	0.	SLV_SX_D	Min	0.	0.	-555.6424
44	0.23546	SLV_SX_D	Min	0.	0.	-417.9878
44	0.47092	SLV_SX_D	Min	0.	0.	-280.0564
44	0.	SLV_DX_U	Max	0.	0.	446.8753
44	0.23546	SLV_DX_U	Max	0.	0.	493.0324
44	0.47092	SLV_DX_U	Max	0.	0.	532.2313
44	0.	SLV_DX_U	Min	0.	0.	446.8753
44	0.23546	SLV_DX_U	Min	0.	0.	493.0324
44	0.47092	SLV_DX_U	Min	0.	0.	532.2313
44	0.	SLV_SX_U	Max	0.	0.	-212.7523
44	0.23546	SLV_SX_U	Max	0.	0.	-79.5324
44	0.47092	SLV_SX_U	Max	0.	0.	54.1584
44	0.	SLV_SX_U	Min	0.	0.	-212.7523
44	0.23546	SLV_SX_U	Min	0.	0.	-79.5324
44	0.47092	SLV_SX_U	Min	0.	0.	54.1584
45	0.	SLE	Max	0.	0.	-487.1386

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
45	0.23546	SLE	Max	0.	0.	-446.909
45	0.47092	SLE	Max	0.	0.	-407.0661
45	0.	SLE	Min	0.	0.	-487.1386
45	0.23546	SLE	Min	0.	0.	-446.909
45	0.47092	SLE	Min	0.	0.	-407.0661
45	0.	SLU	Max	0.	0.	-633.2802
45	0.23546	SLU	Max	0.	0.	-580.9817
45	0.47092	SLU	Max	0.	0.	-529.186
45	0.	SLU	Min	0.	0.	-633.2802
45	0.23546	SLU	Min	0.	0.	-580.9817
45	0.47092	SLU	Min	0.	0.	-529.186
45	0.	SLV_DX_D	Max	0.	0.	151.2379
45	0.23546	SLV_DX_D	Max	0.	0.	184.8853
45	0.47092	SLV_DX_D	Max	0.	0.	211.5695
45	0.	SLV_DX_D	Min	0.	0.	151.2379
45	0.23546	SLV_DX_D	Min	0.	0.	184.8853
45	0.47092	SLV_DX_D	Min	0.	0.	211.5695
45	0.	SLV_SX_D	Max	0.	0.	-280.0564
45	0.23546	SLV_SX_D	Max	0.	0.	-168.3195
45	0.47092	SLV_SX_D	Max	0.	0.	-56.2668
45	0.	SLV_SX_D	Min	0.	0.	-280.0564
45	0.23546	SLV_SX_D	Min	0.	0.	-168.3195
45	0.47092	SLV_SX_D	Min	0.	0.	-56.2668
45	0.	SLV_DX_U	Max	0.	0.	532.2313
45	0.23546	SLV_DX_U	Max	0.	0.	564.848
45	0.47092	SLV_DX_U	Max	0.	0.	590.6485
45	0.	SLV_DX_U	Min	0.	0.	532.2313
45	0.23546	SLV_DX_U	Min	0.	0.	564.848
45	0.47092	SLV_DX_U	Min	0.	0.	590.6485
45	0.	SLV_SX_U	Max	0.	0.	54.1584
45	0.23546	SLV_SX_U	Max	0.	0.	160.1381
45	0.47092	SLV_SX_U	Max	0.	0.	266.5806
45	0.	SLV_SX_U	Min	0.	0.	54.1584
45	0.23546	SLV_SX_U	Min	0.	0.	160.1381
45	0.47092	SLV_SX_U	Min	0.	0.	266.5806
46	0.	SLE	Max	0.	0.	-407.0661
46	0.23546	SLE	Max	0.	0.	-372.4199
46	0.47092	SLE	Max	0.	0.	-338.0622
46	0.	SLE	Min	0.	0.	-407.0661
46	0.23546	SLE	Min	0.	0.	-372.4199
46	0.47092	SLE	Min	0.	0.	-338.0622
46	0.	SLU	Max	0.	0.	-529.186
46	0.23546	SLU	Max	0.	0.	-484.1459
46	0.47092	SLU	Max	0.	0.	-439.4809
46	0.	SLU	Min	0.	0.	-529.186
46	0.23546	SLU	Min	0.	0.	-484.1459
46	0.47092	SLU	Min	0.	0.	-439.4809
46	0.	SLV_DX_D	Max	0.	0.	211.5695
46	0.23546	SLV_DX_D	Max	0.	0.	233.3294
46	0.47092	SLV_DX_D	Max	0.	0.	248.275
46	0.	SLV_DX_D	Min	0.	0.	211.5695
46	0.23546	SLV_DX_D	Min	0.	0.	233.3294
46	0.47092	SLV_DX_D	Min	0.	0.	248.275
46	0.	SLV_SX_D	Max	0.	0.	-56.2668

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
46	0.23546	SLV_SX_D	Max	0.	0.	30.8994
46	0.47092	SLV_SX_D	Max	0.	0.	118.4087
46	0.	SLV_SX_D	Min	0.	0.	-56.2668
46	0.23546	SLV_SX_D	Min	0.	0.	30.8994
46	0.47092	SLV_SX_D	Min	0.	0.	118.4087
46	0.	SLV_DX_U	Max	0.	0.	590.6485
46	0.23546	SLV_DX_U	Max	0.	0.	609.7838
46	0.47092	SLV_DX_U	Max	0.	0.	622.2143
46	0.	SLV_DX_U	Min	0.	0.	590.6485
46	0.23546	SLV_DX_U	Min	0.	0.	609.7838
46	0.47092	SLV_DX_U	Min	0.	0.	622.2143
46	0.	SLV_SX_U	Max	0.	0.	266.5806
46	0.23546	SLV_SX_U	Max	0.	0.	346.9664
46	0.47092	SLV_SX_U	Max	0.	0.	427.8049
46	0.	SLV_SX_U	Min	0.	0.	266.5806
46	0.23546	SLV_SX_U	Min	0.	0.	346.9664
46	0.47092	SLV_SX_U	Min	0.	0.	427.8049
47	0.	SLE	Max	0.	0.	-338.0622
47	0.23546	SLE	Max	0.	0.	-309.2515
47	0.47092	SLE	Max	0.	0.	-280.6504
47	0.	SLE	Min	0.	0.	-338.0622
47	0.23546	SLE	Min	0.	0.	-309.2515
47	0.47092	SLE	Min	0.	0.	-280.6504
47	0.	SLU	Max	0.	0.	-439.4809
47	0.23546	SLU	Max	0.	0.	-402.027
47	0.47092	SLU	Max	0.	0.	-364.8455
47	0.	SLU	Min	0.	0.	-439.4809
47	0.23546	SLU	Min	0.	0.	-402.027
47	0.47092	SLU	Min	0.	0.	-364.8455
47	0.	SLV_DX_D	Max	0.	0.	248.275
47	0.23546	SLV_DX_D	Max	0.	0.	258.3239
47	0.47092	SLV_DX_D	Max	0.	0.	261.6794
47	0.	SLV_DX_D	Min	0.	0.	248.275
47	0.23546	SLV_DX_D	Min	0.	0.	258.3239
47	0.47092	SLV_DX_D	Min	0.	0.	261.6794
47	0.	SLV_SX_D	Max	0.	0.	118.4087
47	0.23546	SLV_SX_D	Max	0.	0.	182.3996
47	0.47092	SLV_SX_D	Max	0.	0.	246.7521
47	0.	SLV_SX_D	Min	0.	0.	118.4087
47	0.23546	SLV_SX_D	Min	0.	0.	182.3996
47	0.47092	SLV_SX_D	Min	0.	0.	246.7521
47	0.	SLV_DX_U	Max	0.	0.	622.2143
47	0.23546	SLV_DX_U	Max	0.	0.	627.872
47	0.47092	SLV_DX_U	Max	0.	0.	626.916
47	0.	SLV_DX_U	Min	0.	0.	622.2143
47	0.23546	SLV_DX_U	Min	0.	0.	627.872
47	0.47092	SLV_DX_U	Min	0.	0.	626.916
47	0.	SLV_SX_U	Max	0.	0.	427.8049
47	0.23546	SLV_SX_U	Max	0.	0.	484.2752
47	0.47092	SLV_SX_U	Max	0.	0.	541.1866
47	0.	SLV_SX_U	Min	0.	0.	427.8049
47	0.23546	SLV_SX_U	Min	0.	0.	484.2752
47	0.47092	SLV_SX_U	Min	0.	0.	541.1866
48	0.	SLE	Max	0.	0.	-280.6504

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
48	0.23546	SLE	Max	0.	0.	-257.9017
48	0.47092	SLE	Max	0.	0.	-235.2995
48	0.	SLE	Min	0.	0.	-280.6504
48	0.23546	SLE	Min	0.	0.	-257.9017
48	0.47092	SLE	Min	0.	0.	-235.2995
48	0.	SLU	Max	0.	0.	-364.8455
48	0.23546	SLU	Max	0.	0.	-335.2722
48	0.47092	SLU	Max	0.	0.	-305.8893
48	0.	SLU	Min	0.	0.	-364.8455
48	0.23546	SLU	Min	0.	0.	-335.2722
48	0.47092	SLU	Min	0.	0.	-305.8893
48	0.	SLV_DX_D	Max	0.	0.	261.6794
48	0.23546	SLV_DX_D	Max	0.	0.	260.1276
48	0.47092	SLV_DX_D	Max	0.	0.	251.9793
48	0.	SLV_DX_D	Min	0.	0.	261.6794
48	0.23546	SLV_DX_D	Min	0.	0.	260.1276
48	0.47092	SLV_DX_D	Min	0.	0.	251.9793
48	0.	SLV_SX_D	Max	0.	0.	246.7521
48	0.23546	SLV_SX_D	Max	0.	0.	288.9666
48	0.47092	SLV_SX_D	Max	0.	0.	331.5569
48	0.	SLV_SX_D	Min	0.	0.	246.7521
48	0.23546	SLV_SX_D	Min	0.	0.	288.9666
48	0.47092	SLV_SX_D	Min	0.	0.	331.5569
48	0.	SLV_DX_U	Max	0.	0.	626.916
48	0.23546	SLV_DX_U	Max	0.	0.	619.0603
48	0.47092	SLV_DX_U	Max	0.	0.	604.6638
48	0.	SLV_DX_U	Min	0.	0.	626.916
48	0.23546	SLV_DX_U	Min	0.	0.	619.0603
48	0.47092	SLV_DX_U	Min	0.	0.	604.6638
48	0.	SLV_SX_U	Max	0.	0.	541.1866
48	0.23546	SLV_SX_U	Max	0.	0.	575.3801
48	0.47092	SLV_SX_U	Max	0.	0.	610.0051
48	0.	SLV_SX_U	Min	0.	0.	541.1866
48	0.23546	SLV_SX_U	Min	0.	0.	575.3801
48	0.47092	SLV_SX_U	Min	0.	0.	610.0051
49	0.	SLE	Max	0.	0.	-235.2995
49	0.23546	SLE	Max	0.	0.	-218.7937
49	0.47092	SLE	Max	0.	0.	-202.3835
49	0.	SLE	Min	0.	0.	-235.2995
49	0.23546	SLE	Min	0.	0.	-218.7937
49	0.47092	SLE	Min	0.	0.	-202.3835
49	0.	SLU	Max	0.	0.	-305.8893
49	0.23546	SLU	Max	0.	0.	-284.4317
49	0.47092	SLU	Max	0.	0.	-263.0986
49	0.	SLU	Min	0.	0.	-305.8893
49	0.23546	SLU	Min	0.	0.	-284.4317
49	0.47092	SLU	Min	0.	0.	-263.0986
49	0.	SLV_DX_D	Max	0.	0.	251.9793
49	0.23546	SLV_DX_D	Max	0.	0.	238.8766
49	0.47092	SLV_DX_D	Max	0.	0.	219.2544
49	0.	SLV_DX_D	Min	0.	0.	251.9793
49	0.23546	SLV_DX_D	Min	0.	0.	238.8766
49	0.47092	SLV_DX_D	Min	0.	0.	219.2544
49	0.	SLV_SX_D	Max	0.	0.	331.5569

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
49	0.23546	SLV_SX_D	Max	0.	0.	353.3364
49	0.47092	SLV_SX_D	Max	0.	0.	375.5062
49	0.	SLV_SX_D	Min	0.	0.	331.5569
49	0.23546	SLV_SX_D	Min	0.	0.	353.3364
49	0.47092	SLV_SX_D	Min	0.	0.	375.5062
49	0.	SLV_DX_U	Max	0.	0.	604.6638
49	0.23546	SLV_DX_U	Max	0.	0.	583.2234
49	0.47092	SLV_DX_U	Max	0.	0.	555.2998
49	0.	SLV_DX_U	Min	0.	0.	604.6638
49	0.23546	SLV_DX_U	Min	0.	0.	583.2234
49	0.47092	SLV_DX_U	Min	0.	0.	555.2998
49	0.	SLV_SX_U	Max	0.	0.	610.0051
49	0.23546	SLV_SX_U	Max	0.	0.	623.43
49	0.47092	SLV_SX_U	Max	0.	0.	637.2815
49	0.	SLV_SX_U	Min	0.	0.	610.0051
49	0.23546	SLV_SX_U	Min	0.	0.	623.43
49	0.47092	SLV_SX_U	Min	0.	0.	637.2815
50	0.	SLE	Max	0.	0.	-202.3835
50	0.23546	SLE	Max	0.	0.	-192.239
50	0.47092	SLE	Max	0.	0.	-182.1494
50	0.	SLE	Min	0.	0.	-202.3835
50	0.23546	SLE	Min	0.	0.	-192.239
50	0.47092	SLE	Min	0.	0.	-182.1494
50	0.	SLU	Max	0.	0.	-263.0986
50	0.23546	SLU	Max	0.	0.	-249.9107
50	0.47092	SLU	Max	0.	0.	-236.7943
50	0.	SLU	Min	0.	0.	-263.0986
50	0.23546	SLU	Min	0.	0.	-249.9107
50	0.47092	SLU	Min	0.	0.	-236.7943
50	0.	SLV_DX_D	Max	0.	0.	219.2544
50	0.23546	SLV_DX_D	Max	0.	0.	194.5884
50	0.47092	SLV_DX_D	Max	0.	0.	163.4517
50	0.	SLV_DX_D	Min	0.	0.	219.2544
50	0.23546	SLV_DX_D	Min	0.	0.	194.5884
50	0.47092	SLV_DX_D	Min	0.	0.	163.4517
50	0.	SLV_SX_D	Max	0.	0.	375.5062
50	0.23546	SLV_SX_D	Max	0.	0.	378.0661
50	0.47092	SLV_SX_D	Max	0.	0.	381.0443
50	0.	SLV_SX_D	Min	0.	0.	375.5062
50	0.23546	SLV_SX_D	Min	0.	0.	378.0661
50	0.47092	SLV_SX_D	Min	0.	0.	381.0443
50	0.	SLV_DX_U	Max	0.	0.	555.2998
50	0.23546	SLV_DX_U	Max	0.	0.	520.1658
50	0.47092	SLV_DX_U	Max	0.	0.	478.582
50	0.	SLV_DX_U	Min	0.	0.	555.2998
50	0.23546	SLV_DX_U	Min	0.	0.	520.1658
50	0.47092	SLV_DX_U	Min	0.	0.	478.582
50	0.	SLV_SX_U	Max	0.	0.	637.2815
50	0.23546	SLV_SX_U	Max	0.	0.	631.2167
50	0.47092	SLV_SX_U	Max	0.	0.	625.5912
50	0.	SLV_SX_U	Min	0.	0.	637.2815
50	0.23546	SLV_SX_U	Min	0.	0.	631.2167
50	0.47092	SLV_SX_U	Min	0.	0.	625.5912
51	0.	SLE	Max	0.	0.	-182.1494

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
51	0.23546	SLE	Max	0.	0.	-178.4101
51	0.47092	SLE	Max	0.	0.	-174.6887
51	0.	SLE	Min	0.	0.	-182.1494
51	0.23546	SLE	Min	0.	0.	-178.4101
51	0.47092	SLE	Min	0.	0.	-174.6887
51	0.	SLU	Max	0.	0.	-236.7943
51	0.23546	SLU	Max	0.	0.	-231.9331
51	0.47092	SLU	Max	0.	0.	-227.0953
51	0.	SLU	Min	0.	0.	-236.7943
51	0.23546	SLU	Min	0.	0.	-231.9331
51	0.47092	SLU	Min	0.	0.	-227.0953
51	0.	SLV_DX_D	Max	0.	0.	163.4517
51	0.23546	SLV_DX_D	Max	0.	0.	127.1484
51	0.47092	SLV_DX_D	Max	0.	0.	84.4189
51	0.	SLV_DX_D	Min	0.	0.	163.4517
51	0.23546	SLV_DX_D	Min	0.	0.	127.1484
51	0.47092	SLV_DX_D	Min	0.	0.	84.4189
51	0.	SLV_SX_D	Max	0.	0.	381.0443
51	0.23546	SLV_SX_D	Max	0.	0.	365.4229
51	0.47092	SLV_SX_D	Max	0.	0.	350.2539
51	0.	SLV_SX_D	Min	0.	0.	381.0443
51	0.23546	SLV_SX_D	Min	0.	0.	365.4229
51	0.47092	SLV_SX_D	Min	0.	0.	350.2539
51	0.	SLV_DX_U	Max	0.	0.	478.582
51	0.23546	SLV_DX_U	Max	0.	0.	429.6066
51	0.47092	SLV_DX_U	Max	0.	0.	374.2118
51	0.	SLV_DX_U	Min	0.	0.	478.582
51	0.23546	SLV_DX_U	Min	0.	0.	429.6066
51	0.47092	SLV_DX_U	Min	0.	0.	374.2118
51	0.	SLV_SX_U	Max	0.	0.	625.5912
51	0.23546	SLV_SX_U	Max	0.	0.	601.014
51	0.47092	SLV_SX_U	Max	0.	0.	576.8961
51	0.	SLV_SX_U	Min	0.	0.	625.5912
51	0.23546	SLV_SX_U	Min	0.	0.	601.014
51	0.47092	SLV_SX_U	Min	0.	0.	576.8961
52	0.	SLE	Max	0.	-2.647E-14	-174.6887
52	0.2255	SLE	Max	0.	-2.674E-14	-176.8754
52	0.45101	SLE	Max	0.	-2.701E-14	-179.0452
52	0.	SLE	Min	0.	-2.647E-14	-174.6887
52	0.2255	SLE	Min	0.	-2.674E-14	-176.8754
52	0.45101	SLE	Min	0.	-2.701E-14	-179.0452
52	0.	SLU	Max	0.	-3.441E-14	-227.0953
52	0.2255	SLU	Max	0.	-3.476E-14	-229.938
52	0.45101	SLU	Max	0.	-3.512E-14	-232.7588
52	0.	SLU	Min	0.	-3.441E-14	-227.0953
52	0.2255	SLU	Min	0.	-3.476E-14	-229.938
52	0.45101	SLU	Min	0.	-3.512E-14	-232.7588
52	0.	SLV_DX_D	Max	0.	1.152E-14	84.4189
52	0.2255	SLV_DX_D	Max	0.	5.828E-15	38.7317
52	0.45101	SLV_DX_D	Max	0.	-5.763E-16	-12.81
52	0.	SLV_DX_D	Min	0.	1.152E-14	84.4189
52	0.2255	SLV_DX_D	Min	0.	5.828E-15	38.7317
52	0.45101	SLV_DX_D	Min	0.	-5.763E-16	-12.81
52	0.	SLV_SX_D	Max	0.	5.213E-14	350.2539

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
52	0.2255	SLV_SX_D	Max	0.	4.828E-14	319.2938
52	0.45101	SLV_SX_D	Max	0.	4.448E-14	288.7882
52	0.	SLV_SX_D	Min	0.	5.213E-14	350.2539
52	0.2255	SLV_SX_D	Min	0.	4.828E-14	319.2938
52	0.45101	SLV_SX_D	Min	0.	4.448E-14	288.7882
52	0.	SLV_DX_U	Max	0.	5.494E-14	374.2118
52	0.2255	SLV_DX_U	Max	0.	4.748E-14	314.1999
52	0.45101	SLV_DX_U	Max	0.	3.929E-14	248.3271
52	0.	SLV_DX_U	Min	0.	5.494E-14	374.2118
52	0.2255	SLV_DX_U	Min	0.	4.748E-14	314.1999
52	0.45101	SLV_DX_U	Min	0.	3.929E-14	248.3271
52	0.	SLV_SX_U	Max	0.	8.615E-14	576.8961
52	0.2255	SLV_SX_U	Max	0.	8.116E-14	536.7994
52	0.45101	SLV_SX_U	Max	0.	7.623E-14	497.1509
52	0.	SLV_SX_U	Min	0.	8.615E-14	576.8961
52	0.2255	SLV_SX_U	Min	0.	8.116E-14	536.7994
52	0.45101	SLV_SX_U	Min	0.	7.623E-14	497.1509
53	0.	SLE	Max	0.	-2.606E-14	-179.0452
53	0.2255	SLE	Max	0.	-2.699E-14	-186.5406
53	0.45101	SLE	Max	0.	-2.791E-14	-193.9843
53	0.	SLE	Min	0.	-2.606E-14	-179.0452
53	0.2255	SLE	Min	0.	-2.699E-14	-186.5406
53	0.45101	SLE	Min	0.	-2.791E-14	-193.9843
53	0.	SLU	Max	0.	-3.388E-14	-232.7588
53	0.2255	SLU	Max	0.	-3.509E-14	-242.5027
53	0.45101	SLU	Max	0.	-3.629E-14	-252.1795
53	0.	SLU	Min	0.	-3.388E-14	-232.7588
53	0.2255	SLU	Min	0.	-3.509E-14	-242.5027
53	0.45101	SLU	Min	0.	-3.629E-14	-252.1795
53	0.	SLV_DX_D	Max	0.	-3.035E-15	-12.81
53	0.2255	SLV_DX_D	Max	0.	-9.992E-15	-68.9091
53	0.45101	SLV_DX_D	Max	0.	-1.766E-14	-130.8211
53	0.	SLV_DX_D	Min	0.	-3.035E-15	-12.81
53	0.2255	SLV_DX_D	Min	0.	-9.992E-15	-68.9091
53	0.45101	SLV_DX_D	Min	0.	-1.766E-14	-130.8211
53	0.	SLV_SX_D	Max	0.	4.084E-14	288.7882
53	0.2255	SLV_SX_D	Max	0.	3.516E-14	243.0086
53	0.45101	SLV_SX_D	Max	0.	2.955E-14	197.7343
53	0.	SLV_SX_D	Min	0.	4.084E-14	288.7882
53	0.2255	SLV_SX_D	Min	0.	3.516E-14	243.0086
53	0.45101	SLV_SX_D	Min	0.	2.955E-14	197.7343
53	0.	SLV_DX_U	Max	0.	3.440E-14	248.3271
53	0.2255	SLV_DX_U	Max	0.	2.539E-14	175.6495
53	0.45101	SLV_DX_U	Max	0.	1.567E-14	97.1394
53	0.	SLV_DX_U	Min	0.	3.440E-14	248.3271
53	0.2255	SLV_DX_U	Min	0.	2.539E-14	175.6495
53	0.45101	SLV_DX_U	Min	0.	1.567E-14	97.1394
53	0.	SLV_SX_U	Max	0.	7.077E-14	497.1509
53	0.2255	SLV_SX_U	Max	0.	6.386E-14	441.3299
53	0.45101	SLV_SX_U	Max	0.	5.700E-14	385.9947
53	0.	SLV_SX_U	Min	0.	7.077E-14	497.1509
53	0.2255	SLV_SX_U	Min	0.	6.386E-14	441.3299
53	0.45101	SLV_SX_U	Min	0.	5.700E-14	385.9947
54	0.	SLE	Max	0.	-2.590E-14	-193.9843

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
54	0.2255	SLE	Max	0.	-2.744E-14	-206.5325
54	0.45101	SLE	Max	0.	-2.898E-14	-218.991
54	0.	SLE	Min	0.	-2.590E-14	-193.9843
54	0.2255	SLE	Min	0.	-2.744E-14	-206.5325
54	0.45101	SLE	Min	0.	-2.898E-14	-218.991
54	0.	SLU	Max	0.	-3.367E-14	-252.1795
54	0.2255	SLU	Max	0.	-3.568E-14	-268.4923
54	0.45101	SLU	Max	0.	-3.767E-14	-284.6883
54	0.	SLU	Min	0.	-3.367E-14	-252.1795
54	0.2255	SLU	Min	0.	-3.568E-14	-268.4923
54	0.45101	SLU	Min	0.	-3.767E-14	-284.6883
54	0.	SLV_DX_D	Max	0.	-1.804E-14	-130.8211
54	0.2255	SLV_DX_D	Max	0.	-2.624E-14	-197.3598
54	0.45101	SLV_DX_D	Max	0.	-3.514E-14	-269.6657
54	0.	SLV_DX_D	Min	0.	-1.804E-14	-130.8211
54	0.2255	SLV_DX_D	Min	0.	-2.624E-14	-197.3598
54	0.45101	SLV_DX_D	Min	0.	-3.514E-14	-269.6657
54	0.	SLV_SX_D	Max	0.	2.569E-14	197.7343
54	0.2255	SLV_SX_D	Max	0.	1.829E-14	137.6311
54	0.45101	SLV_SX_D	Max	0.	1.096E-14	78.097
54	0.	SLV_SX_D	Min	0.	2.569E-14	197.7343
54	0.2255	SLV_SX_D	Min	0.	1.829E-14	137.6311
54	0.45101	SLV_SX_D	Min	0.	1.096E-14	78.097
54	0.	SLV_DX_U	Max	0.	1.207E-14	97.1394
54	0.2255	SLV_DX_U	Max	0.	1.549E-15	11.7296
54	0.45101	SLV_DX_U	Max	0.	-9.682E-15	-79.4815
54	0.	SLV_DX_U	Min	0.	1.207E-14	97.1394
54	0.2255	SLV_DX_U	Min	0.	1.549E-15	11.7296
54	0.45101	SLV_DX_U	Min	0.	-9.682E-15	-79.4815
54	0.	SLV_SX_U	Max	0.	5.060E-14	385.9947
54	0.2255	SLV_SX_U	Max	0.	4.180E-14	314.5497
54	0.45101	SLV_SX_U	Max	0.	3.307E-14	243.6398
54	0.	SLV_SX_U	Min	0.	5.060E-14	385.9947
54	0.2255	SLV_SX_U	Min	0.	4.180E-14	314.5497
54	0.45101	SLV_SX_U	Min	0.	3.307E-14	243.6398
55	0.	SLE	Max	0.	-2.414E-14	-218.991
55	0.2255	SLE	Max	0.	-2.624E-14	-236.2101
55	0.45101	SLE	Max	0.	-2.832E-14	-253.2917
55	0.	SLE	Min	0.	-2.414E-14	-218.991
55	0.2255	SLE	Min	0.	-2.624E-14	-236.2101
55	0.45101	SLE	Min	0.	-2.832E-14	-253.2917
55	0.	SLU	Max	0.	-3.139E-14	-284.6883
55	0.2255	SLU	Max	0.	-3.411E-14	-307.0731
55	0.45101	SLU	Max	0.	-3.681E-14	-329.2792
55	0.	SLU	Min	0.	-3.139E-14	-284.6883
55	0.2255	SLU	Min	0.	-3.411E-14	-307.0731
55	0.45101	SLU	Min	0.	-3.681E-14	-329.2792
55	0.	SLV_DX_D	Max	0.	-2.913E-14	-269.6657
55	0.2255	SLV_DX_D	Max	0.	-3.849E-14	-346.6257
55	0.45101	SLV_DX_D	Max	0.	-4.856E-14	-429.3101
55	0.	SLV_DX_D	Min	0.	-2.913E-14	-269.6657
55	0.2255	SLV_DX_D	Min	0.	-3.849E-14	-346.6257
55	0.45101	SLV_DX_D	Min	0.	-4.856E-14	-429.3101
55	0.	SLV_SX_D	Max	0.	9.460E-15	78.097

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
55	0.2255	SLV_SX_D	Max	0.	4.609E-16	4.1609
55	0.45101	SLV_SX_D	Max	0.	-8.457E-15	-69.1074
55	0.	SLV_SX_D	Min	0.	9.460E-15	78.097
55	0.2255	SLV_SX_D	Min	0.	4.609E-16	4.1609
55	0.45101	SLV_SX_D	Min	0.	-8.457E-15	-69.1074
55	0.	SLV_DX_U	Max	0.	-7.776E-15	-79.4815
55	0.2255	SLV_DX_U	Max	0.	-1.972E-14	-177.6466
55	0.45101	SLV_DX_U	Max	0.	-3.238E-14	-281.5883
55	0.	SLV_DX_U	Min	0.	-7.776E-15	-79.4815
55	0.2255	SLV_DX_U	Min	0.	-1.972E-14	-177.6466
55	0.45101	SLV_DX_U	Min	0.	-3.238E-14	-281.5883
55	0.	SLV_SX_U	Max	0.	2.799E-14	243.6398
55	0.2255	SLV_SX_U	Max	0.	1.739E-14	156.5764
55	0.45101	SLV_SX_U	Max	0.	6.870E-15	70.1286
55	0.	SLV_SX_U	Min	0.	2.799E-14	243.6398
55	0.2255	SLV_SX_U	Min	0.	1.739E-14	156.5764
55	0.45101	SLV_SX_U	Min	0.	6.870E-15	70.1286
56	0.	SLE	Max	0.	-2.286E-14	-253.2917
56	0.2255	SLE	Max	0.	-2.544E-14	-274.6662
56	0.45101	SLE	Max	0.	-2.799E-14	-295.8475
56	0.	SLE	Min	0.	-2.286E-14	-253.2917
56	0.2255	SLE	Min	0.	-2.544E-14	-274.6662
56	0.45101	SLE	Min	0.	-2.799E-14	-295.8475
56	0.	SLU	Max	0.	-2.972E-14	-329.2792
56	0.2255	SLU	Max	0.	-3.307E-14	-357.0661
56	0.45101	SLU	Max	0.	-3.638E-14	-384.6018
56	0.	SLU	Min	0.	-2.972E-14	-329.2792
56	0.2255	SLU	Min	0.	-3.307E-14	-357.0661
56	0.45101	SLU	Min	0.	-3.638E-14	-384.6018
56	0.	SLV_DX_D	Max	0.	-3.730E-14	-429.3101
56	0.2255	SLV_DX_D	Max	0.	-4.781E-14	-516.6216
56	0.45101	SLV_DX_D	Max	0.	-5.902E-14	-609.5998
56	0.	SLV_DX_D	Min	0.	-3.730E-14	-429.3101
56	0.2255	SLV_DX_D	Min	0.	-4.781E-14	-516.6216
56	0.45101	SLV_DX_D	Min	0.	-5.902E-14	-609.5998
56	0.	SLV_SX_D	Max	0.	-3.970E-15	-69.1074
56	0.2255	SLV_SX_D	Max	0.	-1.448E-14	-156.2984
56	0.45101	SLV_SX_D	Max	0.	-2.489E-14	-242.7091
56	0.	SLV_SX_D	Min	0.	-3.970E-15	-69.1074
56	0.2255	SLV_SX_D	Min	0.	-1.448E-14	-156.2984
56	0.45101	SLV_SX_D	Min	0.	-2.489E-14	-242.7091
56	0.	SLV_DX_U	Max	0.	-2.296E-14	-281.5883
56	0.2255	SLV_DX_U	Max	0.	-3.632E-14	-392.4881
56	0.45101	SLV_DX_U	Max	0.	-5.038E-14	-509.128
56	0.	SLV_DX_U	Min	0.	-2.296E-14	-281.5883
56	0.2255	SLV_DX_U	Min	0.	-3.632E-14	-392.4881
56	0.45101	SLV_DX_U	Min	0.	-5.038E-14	-509.128
56	0.	SLV_SX_U	Max	0.	9.355E-15	70.1286
56	0.2255	SLV_SX_U	Max	0.	-3.016E-15	-32.5277
56	0.45101	SLV_SX_U	Max	0.	-1.530E-14	-134.4769
56	0.	SLV_SX_U	Min	0.	9.355E-15	70.1286
56	0.2255	SLV_SX_U	Min	0.	-3.016E-15	-32.5277
56	0.45101	SLV_SX_U	Min	0.	-1.530E-14	-134.4769
57	0.	SLE	Max	0.	-1.422E-14	-295.8475

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
57	0.27332	SLE	Max	0.	-1.777E-14	-326.4608
57	0.54664	SLE	Max	0.	-2.127E-14	-356.6137
57	0.	SLE	Min	0.	-1.422E-14	-295.8475
57	0.27332	SLE	Min	0.	-1.777E-14	-326.4608
57	0.54664	SLE	Min	0.	-2.127E-14	-356.6137
57	0.	SLU	Max	0.	-1.849E-14	-384.6018
57	0.27332	SLU	Max	0.	-2.311E-14	-424.3991
57	0.54664	SLU	Max	0.	-2.765E-14	-463.5978
57	0.	SLU	Min	0.	-1.849E-14	-384.6018
57	0.27332	SLU	Min	0.	-2.311E-14	-424.3991
57	0.54664	SLU	Min	0.	-2.765E-14	-463.5978
57	0.	SLV_DX_D	Max	0.	-2.579E-14	-609.5998
57	0.27332	SLV_DX_D	Max	0.	-3.955E-14	-728.4041
57	0.54664	SLV_DX_D	Max	0.	-5.433E-14	-855.4874
57	0.	SLV_DX_D	Min	0.	-2.579E-14	-609.5998
57	0.27332	SLV_DX_D	Min	0.	-3.955E-14	-728.4041
57	0.54664	SLV_DX_D	Min	0.	-5.433E-14	-855.4874
57	0.	SLV_SX_D	Max	0.	-5.673E-15	-242.7091
57	0.27332	SLV_SX_D	Max	0.	-1.990E-14	-365.1939
57	0.54664	SLV_SX_D	Max	0.	-3.392E-14	-486.081
57	0.	SLV_SX_D	Min	0.	-5.673E-15	-242.7091
57	0.27332	SLV_SX_D	Min	0.	-1.990E-14	-365.1939
57	0.54664	SLV_SX_D	Min	0.	-3.392E-14	-486.081
57	0.	SLV_DX_U	Max	0.	-1.836E-14	-509.128
57	0.27332	SLV_DX_U	Max	0.	-3.582E-14	-659.7976
57	0.54664	SLV_DX_U	Max	0.	-5.431E-14	-818.9212
57	0.	SLV_DX_U	Min	0.	-1.836E-14	-509.128
57	0.27332	SLV_DX_U	Min	0.	-3.582E-14	-659.7976
57	0.54664	SLV_DX_U	Min	0.	-5.431E-14	-818.9212
57	0.	SLV_SX_U	Max	0.	1.617E-15	-134.4769
57	0.27332	SLV_SX_U	Max	0.	-1.524E-14	-279.6403
57	0.54664	SLV_SX_U	Max	0.	-3.192E-14	-423.381
57	0.	SLV_SX_U	Min	0.	1.617E-15	-134.4769
57	0.27332	SLV_SX_U	Min	0.	-1.524E-14	-279.6403
57	0.54664	SLV_SX_U	Min	0.	-3.192E-14	-423.381
58	0.	SLE	Max	0.	-3.170E-14	-402.0718
58	0.40189	SLE	Max	0.	-1.235E-14	-225.8999
58	0.80378	SLE	Max	0.	7.594E-15	-44.8605
58	0.	SLE	Min	0.	-3.170E-14	-402.0718
58	0.40189	SLE	Min	0.	-1.235E-14	-225.8999
58	0.80378	SLE	Min	0.	7.594E-15	-44.8605
58	0.	SLU	Max	0.	-4.121E-14	-522.6933
58	0.40189	SLU	Max	0.	-1.606E-14	-293.6699
58	0.80378	SLU	Max	0.	9.872E-15	-58.3186
58	0.	SLU	Min	0.	-4.121E-14	-522.6933
58	0.40189	SLU	Min	0.	-1.606E-14	-293.6699
58	0.80378	SLU	Min	0.	9.872E-15	-58.3186
58	0.	SLV_DX_D	Max	0.	-5.103E-14	-803.7366
58	0.40189	SLV_DX_D	Max	0.	-3.668E-14	-673.0411
58	0.80378	SLV_DX_D	Max	0.	-2.179E-14	-537.9217
58	0.	SLV_DX_D	Min	0.	-5.103E-14	-803.7366
58	0.40189	SLV_DX_D	Min	0.	-3.668E-14	-673.0411
58	0.80378	SLV_DX_D	Min	0.	-2.179E-14	-537.9217
58	0.	SLV_SX_D	Max	0.	-3.877E-14	-518.9862

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
58	0.40189	SLV_SX_D	Max	0.	-1.806E-14	-330.3055
58	0.80378	SLV_SX_D	Max	0.	3.528E-15	-134.4638
58	0.	SLV_SX_D	Min	0.	-3.877E-14	-518.9862
58	0.40189	SLV_SX_D	Min	0.	-1.806E-14	-330.3055
58	0.80378	SLV_SX_D	Min	0.	3.528E-15	-134.4638
58	0.	SLV_DX_U	Max	0.	-4.103E-14	-716.6398
58	0.40189	SLV_DX_U	Max	0.	-3.707E-14	-680.5201
58	0.80378	SLV_DX_U	Max	0.	-3.280E-14	-641.8261
58	0.	SLV_DX_U	Min	0.	-4.103E-14	-716.6398
58	0.40189	SLV_DX_U	Min	0.	-3.707E-14	-680.5201
58	0.80378	SLV_DX_U	Min	0.	-3.280E-14	-641.8261
58	0.	SLV_SX_U	Max	0.	-2.877E-14	-419.7294
58	0.40189	SLV_SX_U	Max	0.	-1.713E-14	-313.64
58	0.80378	SLV_SX_U	Max	0.	-4.844E-15	-202.2393
58	0.	SLV_SX_U	Min	0.	-2.877E-14	-419.7294
58	0.40189	SLV_SX_U	Min	0.	-1.713E-14	-313.64
58	0.80378	SLV_SX_U	Min	0.	-4.844E-15	-202.2393
59	0.	SLE	Max	0.	-6.809E-15	-44.8605
59	0.40189	SLE	Max	0.	1.752E-15	33.2534
59	0.80378	SLE	Max	0.	1.094E-14	116.493
59	0.	SLE	Min	0.	-6.809E-15	-44.8605
59	0.40189	SLE	Min	0.	1.752E-15	33.2534
59	0.80378	SLE	Min	0.	1.094E-14	116.493
59	0.	SLU	Max	0.	-8.851E-15	-58.3186
59	0.40189	SLU	Max	0.	2.277E-15	43.2295
59	0.80378	SLU	Max	0.	1.422E-14	151.4409
59	0.	SLU	Min	0.	-8.851E-15	-58.3186
59	0.40189	SLU	Min	0.	2.277E-15	43.2295
59	0.80378	SLU	Min	0.	1.422E-14	151.4409
59	0.	SLV_DX_D	Max	0.	-3.224E-14	-537.9217
59	0.40189	SLV_DX_D	Max	0.	-2.646E-14	-485.1082
59	0.80378	SLV_DX_D	Max	0.	-2.008E-14	-427.4201
59	0.	SLV_DX_D	Min	0.	-3.224E-14	-537.9217
59	0.40189	SLV_DX_D	Min	0.	-2.646E-14	-485.1082
59	0.80378	SLV_DX_D	Min	0.	-2.008E-14	-427.4201
59	0.	SLV_SX_D	Max	0.	-1.387E-14	-134.4638
59	0.40189	SLV_SX_D	Max	0.	-1.019E-15	-17.1926
59	0.80378	SLV_SX_D	Max	0.	1.273E-14	107.4032
59	0.	SLV_SX_D	Min	0.	-1.387E-14	-134.4638
59	0.40189	SLV_SX_D	Min	0.	-1.019E-15	-17.1926
59	0.80378	SLV_SX_D	Min	0.	1.273E-14	107.4032
59	0.	SLV_DX_U	Max	0.	-3.563E-14	-641.8261
59	0.40189	SLV_DX_U	Max	0.	-3.430E-14	-629.5305
59	0.80378	SLV_DX_U	Max	0.	-3.261E-14	-614.3081
59	0.	SLV_DX_U	Min	0.	-3.563E-14	-641.8261
59	0.40189	SLV_DX_U	Min	0.	-3.430E-14	-629.5305
59	0.80378	SLV_DX_U	Min	0.	-3.261E-14	-614.3081
59	0.	SLV_SX_U	Max	0.	-1.616E-14	-202.2393
59	0.40189	SLV_SX_U	Max	0.	-6.047E-15	-109.9848
59	0.80378	SLV_SX_U	Max	0.	4.726E-15	-12.3535
59	0.	SLV_SX_U	Min	0.	-1.616E-14	-202.2393
59	0.40189	SLV_SX_U	Min	0.	-6.047E-15	-109.9848
59	0.80378	SLV_SX_U	Min	0.	4.726E-15	-12.3535
60	0.	SLE	Max	0.	1.427E-14	116.493

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
60	0.2531	SLE	Max	0.	1.643E-14	134.1788
60	0.5062	SLE	Max	0.	1.877E-14	153.2697
60	0.	SLE	Min	0.	1.427E-14	116.493
60	0.2531	SLE	Min	0.	1.643E-14	134.1788
60	0.5062	SLE	Min	0.	1.877E-14	153.2697
60	0.	SLU	Max	0.	1.855E-14	151.4409
60	0.2531	SLU	Max	0.	2.136E-14	174.4324
60	0.5062	SLU	Max	0.	2.440E-14	199.2506
60	0.	SLU	Min	0.	1.855E-14	151.4409
60	0.2531	SLU	Min	0.	2.136E-14	174.4324
60	0.5062	SLU	Min	0.	2.440E-14	199.2506
60	0.	SLV_DX_D	Max	0.	-5.234E-14	-427.4201
60	0.2531	SLV_DX_D	Max	0.	-5.140E-14	-419.7524
60	0.5062	SLV_DX_D	Max	0.	-5.030E-14	-410.704
60	0.	SLV_DX_D	Min	0.	-5.234E-14	-427.4201
60	0.2531	SLV_DX_D	Min	0.	-5.140E-14	-419.7524
60	0.5062	SLV_DX_D	Min	0.	-5.030E-14	-410.704
60	0.	SLV_SX_D	Max	0.	1.315E-14	107.4032
60	0.2531	SLV_SX_D	Max	0.	1.876E-14	153.1991
60	0.5062	SLV_SX_D	Max	0.	2.461E-14	200.9588
60	0.	SLV_SX_D	Min	0.	1.315E-14	107.4032
60	0.2531	SLV_SX_D	Min	0.	1.876E-14	153.1991
60	0.5062	SLV_SX_D	Min	0.	2.461E-14	200.9588
60	0.	SLV_DX_U	Max	0.	-7.523E-14	-614.3081
60	0.2531	SLV_DX_U	Max	0.	-7.579E-14	-618.8599
60	0.5062	SLV_DX_U	Max	0.	-7.624E-14	-622.565
60	0.	SLV_DX_U	Min	0.	-7.523E-14	-614.3081
60	0.2531	SLV_DX_U	Min	0.	-7.579E-14	-618.8599
60	0.5062	SLV_DX_U	Min	0.	-7.624E-14	-622.565
60	0.	SLV_SX_U	Max	0.	-1.513E-15	-12.3535
60	0.2531	SLV_SX_U	Max	0.	4.187E-15	34.1878
60	0.5062	SLV_SX_U	Max	0.	1.006E-14	82.1589
60	0.	SLV_SX_U	Min	0.	-1.513E-15	-12.3535
60	0.2531	SLV_SX_U	Min	0.	4.187E-15	34.1878
60	0.5062	SLV_SX_U	Min	0.	1.006E-14	82.1589
61	0.	SLE	Max	0.	1.877E-14	153.2697
61	0.2531	SLE	Max	0.	2.000E-14	163.2757
61	0.5062	SLE	Max	0.	2.140E-14	174.7218
61	0.	SLE	Min	0.	1.877E-14	153.2697
61	0.2531	SLE	Min	0.	2.000E-14	163.2757
61	0.5062	SLE	Min	0.	2.140E-14	174.7218
61	0.	SLU	Max	0.	2.440E-14	199.2506
61	0.2531	SLU	Max	0.	2.599E-14	212.2584
61	0.5062	SLU	Max	0.	2.782E-14	227.1383
61	0.	SLU	Min	0.	2.440E-14	199.2506
61	0.2531	SLU	Min	0.	2.599E-14	212.2584
61	0.5062	SLU	Min	0.	2.782E-14	227.1383
61	0.	SLV_DX_D	Max	0.	-5.030E-14	-410.704
61	0.2531	SLV_DX_D	Max	0.	-4.842E-14	-395.4066
61	0.5062	SLV_DX_D	Max	0.	-4.637E-14	-378.6614
61	0.	SLV_DX_D	Min	0.	-5.030E-14	-410.704
61	0.2531	SLV_DX_D	Min	0.	-4.842E-14	-395.4066
61	0.5062	SLV_DX_D	Min	0.	-4.637E-14	-378.6614
61	0.	SLV_SX_D	Max	0.	2.461E-14	200.9588

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
61	0.2531	SLV_SX_D	Max	0.	2.826E-14	230.7772
61	0.5062	SLV_SX_D	Max	0.	3.216E-14	262.5752
61	0.	SLV_SX_D	Min	0.	2.461E-14	200.9588
61	0.2531	SLV_SX_D	Min	0.	2.826E-14	230.7772
61	0.5062	SLV_SX_D	Min	0.	3.216E-14	262.5752
61	0.	SLV_DX_U	Max	0.	-7.624E-14	-622.565
61	0.2531	SLV_DX_U	Max	0.	-7.528E-14	-614.6738
61	0.5062	SLV_DX_U	Max	0.	-7.420E-14	-605.8821
61	0.	SLV_DX_U	Min	0.	-7.624E-14	-622.565
61	0.2531	SLV_DX_U	Min	0.	-7.528E-14	-614.6738
61	0.5062	SLV_DX_U	Min	0.	-7.420E-14	-605.8821
61	0.	SLV_SX_U	Max	0.	1.006E-14	82.1589
61	0.2531	SLV_SX_U	Max	0.	1.406E-14	114.8486
61	0.5062	SLV_SX_U	Max	0.	1.824E-14	148.9706
61	0.	SLV_SX_U	Min	0.	1.006E-14	82.1589
61	0.2531	SLV_SX_U	Min	0.	1.406E-14	114.8486
61	0.5062	SLV_SX_U	Min	0.	1.824E-14	148.9706
62	0.	SLE	Max	0.	2.140E-14	174.7218
62	0.2531	SLE	Max	0.	2.190E-14	178.8528
62	0.5062	SLE	Max	0.	2.259E-14	184.4555
62	0.	SLE	Min	0.	2.140E-14	174.7218
62	0.2531	SLE	Min	0.	2.190E-14	178.8528
62	0.5062	SLE	Min	0.	2.259E-14	184.4555
62	0.	SLU	Max	0.	2.782E-14	227.1383
62	0.2531	SLU	Max	0.	2.847E-14	232.5086
62	0.5062	SLU	Max	0.	2.937E-14	239.7922
62	0.	SLU	Min	0.	2.782E-14	227.1383
62	0.2531	SLU	Min	0.	2.847E-14	232.5086
62	0.5062	SLU	Min	0.	2.937E-14	239.7922
62	0.	SLV_DX_D	Max	0.	-4.637E-14	-378.6614
62	0.2531	SLV_DX_D	Max	0.	-4.385E-14	-358.0679
62	0.5062	SLV_DX_D	Max	0.	-4.114E-14	-335.9626
62	0.	SLV_DX_D	Min	0.	-4.637E-14	-378.6614
62	0.2531	SLV_DX_D	Min	0.	-4.385E-14	-358.0679
62	0.5062	SLV_DX_D	Min	0.	-4.114E-14	-335.9626
62	0.	SLV_SX_D	Max	0.	3.216E-14	262.5752
62	0.2531	SLV_SX_D	Max	0.	3.418E-14	279.1154
62	0.5062	SLV_SX_D	Max	0.	3.645E-14	297.6465
62	0.	SLV_SX_D	Min	0.	3.216E-14	262.5752
62	0.2531	SLV_SX_D	Min	0.	3.418E-14	279.1154
62	0.5062	SLV_SX_D	Min	0.	3.645E-14	297.6465
62	0.	SLV_DX_U	Max	0.	-7.420E-14	-605.8821
62	0.2531	SLV_DX_U	Max	0.	-7.177E-14	-586.0754
62	0.5062	SLV_DX_U	Max	0.	-6.923E-14	-565.316
62	0.	SLV_DX_U	Min	0.	-7.420E-14	-605.8821
62	0.2531	SLV_DX_U	Min	0.	-7.177E-14	-586.0754
62	0.5062	SLV_DX_U	Min	0.	-6.923E-14	-565.316
62	0.	SLV_SX_U	Max	0.	1.824E-14	148.9706
62	0.2531	SLV_SX_U	Max	0.	2.077E-14	169.5674
62	0.5062	SLV_SX_U	Max	0.	2.346E-14	191.5958
62	0.	SLV_SX_U	Min	0.	1.824E-14	148.9706
62	0.2531	SLV_SX_U	Min	0.	2.077E-14	169.5674
62	0.5062	SLV_SX_U	Min	0.	2.346E-14	191.5958
63	0.	SLE	Max	0.	2.259E-14	184.4555

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
63	0.2531	SLE	Max	0.	2.257E-14	184.3295
63	0.5062	SLE	Max	0.	2.274E-14	185.7036
63	0.	SLE	Min	0.	2.259E-14	184.4555
63	0.2531	SLE	Min	0.	2.257E-14	184.3295
63	0.5062	SLE	Min	0.	2.274E-14	185.7036
63	0.	SLU	Max	0.	2.937E-14	239.7922
63	0.2531	SLU	Max	0.	2.935E-14	239.6283
63	0.5062	SLU	Max	0.	2.956E-14	241.4146
63	0.	SLU	Min	0.	2.937E-14	239.7922
63	0.2531	SLU	Min	0.	2.935E-14	239.6283
63	0.5062	SLU	Min	0.	2.956E-14	241.4146
63	0.	SLV_DX_D	Max	0.	-4.114E-14	-335.9626
63	0.2531	SLV_DX_D	Max	0.	-3.820E-14	-311.9325
63	0.5062	SLV_DX_D	Max	0.	-3.507E-14	-286.3299
63	0.	SLV_DX_D	Min	0.	-4.114E-14	-335.9626
63	0.2531	SLV_DX_D	Min	0.	-3.820E-14	-311.9325
63	0.5062	SLV_DX_D	Min	0.	-3.507E-14	-286.3299
63	0.	SLV_SX_D	Max	0.	3.645E-14	297.6465
63	0.2531	SLV_SX_D	Max	0.	3.715E-14	303.3515
63	0.5062	SLV_SX_D	Max	0.	3.809E-14	311.0543
63	0.	SLV_SX_D	Min	0.	3.645E-14	297.6465
63	0.2531	SLV_SX_D	Min	0.	3.715E-14	303.3515
63	0.5062	SLV_SX_D	Min	0.	3.809E-14	311.0543
63	0.	SLV_DX_U	Max	0.	-6.923E-14	-565.316
63	0.2531	SLV_DX_U	Max	0.	-6.576E-14	-537.0042
63	0.5062	SLV_DX_U	Max	0.	-6.217E-14	-507.69
63	0.	SLV_DX_U	Min	0.	-6.923E-14	-565.316
63	0.2531	SLV_DX_U	Min	0.	-6.576E-14	-537.0042
63	0.5062	SLV_DX_U	Min	0.	-6.217E-14	-507.69
63	0.	SLV_SX_U	Max	0.	2.346E-14	191.5958
63	0.2531	SLV_SX_U	Max	0.	2.471E-14	201.7409
63	0.5062	SLV_SX_U	Max	0.	2.612E-14	213.3136
63	0.	SLV_SX_U	Min	0.	2.346E-14	191.5958
63	0.2531	SLV_SX_U	Min	0.	2.471E-14	201.7409
63	0.5062	SLV_SX_U	Min	0.	2.612E-14	213.3136
64	0.	SLE	Max	0.	2.274E-14	185.7036
64	0.2531	SLE	Max	0.	2.238E-14	182.7342
64	0.5062	SLE	Max	0.	2.220E-14	181.2899
64	0.	SLE	Min	0.	2.274E-14	185.7036
64	0.2531	SLE	Min	0.	2.238E-14	182.7342
64	0.5062	SLE	Min	0.	2.220E-14	181.2899
64	0.	SLU	Max	0.	2.956E-14	241.4146
64	0.2531	SLU	Max	0.	2.909E-14	237.5545
64	0.5062	SLU	Max	0.	2.886E-14	235.6768
64	0.	SLU	Min	0.	2.956E-14	241.4146
64	0.2531	SLU	Min	0.	2.909E-14	237.5545
64	0.5062	SLU	Min	0.	2.886E-14	235.6768
64	0.	SLV_DX_D	Max	0.	-3.507E-14	-286.3299
64	0.2531	SLV_DX_D	Max	0.	-3.188E-14	-260.2987
64	0.5062	SLV_DX_D	Max	0.	-2.849E-14	-232.6379
64	0.	SLV_DX_D	Min	0.	-3.507E-14	-286.3299
64	0.2531	SLV_DX_D	Min	0.	-3.188E-14	-260.2987
64	0.5062	SLV_DX_D	Min	0.	-2.849E-14	-232.6379
64	0.	SLV_SX_D	Max	0.	3.809E-14	311.0543

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
64	0.2531	SLV_SX_D	Max	0.	3.773E-14	308.0585
64	0.5062	SLV_SX_D	Max	0.	3.760E-14	307.0628
64	0.	SLV_SX_D	Min	0.	3.809E-14	311.0543
64	0.2531	SLV_SX_D	Min	0.	3.773E-14	308.0585
64	0.5062	SLV_SX_D	Min	0.	3.760E-14	307.0628
64	0.	SLV_DX_U	Max	0.	-6.217E-14	-507.69
64	0.2531	SLV_DX_U	Max	0.	-5.804E-14	-473.969
64	0.5062	SLV_DX_U	Max	0.	-5.379E-14	-439.198
64	0.	SLV_DX_U	Min	0.	-6.217E-14	-507.69
64	0.2531	SLV_DX_U	Min	0.	-5.804E-14	-473.969
64	0.5062	SLV_DX_U	Min	0.	-5.379E-14	-439.198
64	0.	SLV_SX_U	Max	0.	2.612E-14	213.3136
64	0.2531	SLV_SX_U	Max	0.	2.627E-14	214.4709
64	0.5062	SLV_SX_U	Max	0.	2.658E-14	217.0486
64	0.	SLV_SX_U	Min	0.	2.612E-14	213.3136
64	0.2531	SLV_SX_U	Min	0.	2.627E-14	214.4709
64	0.5062	SLV_SX_U	Min	0.	2.658E-14	217.0486
65	0.	SLE	Max	0.	2.220E-14	181.2899
65	0.2531	SLE	Max	0.	2.164E-14	176.6827
65	0.5062	SLE	Max	0.	2.126E-14	173.6219
65	0.	SLE	Min	0.	2.220E-14	181.2899
65	0.2531	SLE	Min	0.	2.164E-14	176.6827
65	0.5062	SLE	Min	0.	2.126E-14	173.6219
65	0.	SLU	Max	0.	2.886E-14	235.6768
65	0.2531	SLU	Max	0.	2.813E-14	229.6875
65	0.5062	SLU	Max	0.	2.764E-14	225.7085
65	0.	SLU	Min	0.	2.886E-14	235.6768
65	0.2531	SLU	Min	0.	2.813E-14	229.6875
65	0.5062	SLU	Min	0.	2.764E-14	225.7085
65	0.	SLV_DX_D	Max	0.	-2.849E-14	-232.6379
65	0.2531	SLV_DX_D	Max	0.	-2.519E-14	-205.6708
65	0.5062	SLV_DX_D	Max	0.	-2.168E-14	-177.0209
65	0.	SLV_DX_D	Min	0.	-2.849E-14	-232.6379
65	0.2531	SLV_DX_D	Min	0.	-2.519E-14	-205.6708
65	0.5062	SLV_DX_D	Min	0.	-2.168E-14	-177.0209
65	0.	SLV_SX_D	Max	0.	3.760E-14	307.0628
65	0.2531	SLV_SX_D	Max	0.	3.639E-14	297.173
65	0.5062	SLV_SX_D	Max	0.	3.543E-14	289.2809
65	0.	SLV_SX_D	Min	0.	3.760E-14	307.0628
65	0.2531	SLV_SX_D	Min	0.	3.639E-14	297.173
65	0.5062	SLV_SX_D	Min	0.	3.543E-14	289.2809
65	0.	SLV_DX_U	Max	0.	-5.379E-14	-439.198
65	0.2531	SLV_DX_U	Max	0.	-4.930E-14	-402.5295
65	0.5062	SLV_DX_U	Max	0.	-4.467E-14	-364.7659
65	0.	SLV_DX_U	Min	0.	-5.379E-14	-439.198
65	0.2531	SLV_DX_U	Min	0.	-4.930E-14	-402.5295
65	0.5062	SLV_DX_U	Min	0.	-4.467E-14	-364.7659
65	0.	SLV_SX_U	Max	0.	2.658E-14	217.0486
65	0.2531	SLV_SX_U	Max	0.	2.578E-14	210.4772
65	0.5062	SLV_SX_U	Max	0.	2.514E-14	205.3159
65	0.	SLV_SX_U	Min	0.	2.658E-14	217.0486
65	0.2531	SLV_SX_U	Min	0.	2.578E-14	210.4772
65	0.5062	SLV_SX_U	Min	0.	2.514E-14	205.3159
66	0.	SLE	Max	0.	2.126E-14	173.6219

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
66	0.2531	SLE	Max	0.	2.062E-14	168.3759
66	0.5062	SLE	Max	0.	2.017E-14	164.6942
66	0.	SLE	Min	0.	2.126E-14	173.6219
66	0.2531	SLE	Min	0.	2.062E-14	168.3759
66	0.5062	SLE	Min	0.	2.017E-14	164.6942
66	0.	SLU	Max	0.	2.764E-14	225.7085
66	0.2531	SLU	Max	0.	2.681E-14	218.8886
66	0.5062	SLU	Max	0.	2.622E-14	214.1025
66	0.	SLU	Min	0.	2.764E-14	225.7085
66	0.2531	SLU	Min	0.	2.681E-14	218.8886
66	0.5062	SLU	Min	0.	2.622E-14	214.1025
66	0.	SLV_DX_D	Max	0.	-2.168E-14	-177.0209
66	0.2531	SLV_DX_D	Max	0.	-1.835E-14	-149.877
66	0.5062	SLV_DX_D	Max	0.	-1.482E-14	-121.0007
66	0.	SLV_DX_D	Min	0.	-2.168E-14	-177.0209
66	0.2531	SLV_DX_D	Min	0.	-1.835E-14	-149.877
66	0.5062	SLV_DX_D	Min	0.	-1.482E-14	-121.0007
66	0.	SLV_SX_D	Max	0.	3.543E-14	289.2809
66	0.2531	SLV_SX_D	Max	0.	3.355E-14	273.9748
66	0.5062	SLV_SX_D	Max	0.	3.192E-14	260.6597
66	0.	SLV_SX_D	Min	0.	3.543E-14	289.2809
66	0.2531	SLV_SX_D	Min	0.	3.355E-14	273.9748
66	0.5062	SLV_SX_D	Min	0.	3.192E-14	260.6597
66	0.	SLV_DX_U	Max	0.	-4.467E-14	-364.7659
66	0.2531	SLV_DX_U	Max	0.	-4.005E-14	-327.0554
66	0.5062	SLV_DX_U	Max	0.	-3.530E-14	-288.2071
66	0.	SLV_DX_U	Min	0.	-4.467E-14	-364.7659
66	0.2531	SLV_DX_U	Min	0.	-4.005E-14	-327.0554
66	0.5062	SLV_DX_U	Min	0.	-3.530E-14	-288.2071
66	0.	SLV_SX_U	Max	0.	2.514E-14	205.3159
66	0.2531	SLV_SX_U	Max	0.	2.352E-14	192.0613
66	0.5062	SLV_SX_U	Max	0.	2.207E-14	180.2031
66	0.	SLV_SX_U	Min	0.	2.514E-14	205.3159
66	0.2531	SLV_SX_U	Min	0.	2.352E-14	192.0613
66	0.5062	SLV_SX_U	Min	0.	2.207E-14	180.2031
67	0.	SLE	Max	0.	2.017E-14	164.6942
67	0.2531	SLE	Max	0.	1.955E-14	159.6083
67	0.5062	SLE	Max	0.	1.912E-14	156.1013
67	0.	SLE	Min	0.	2.017E-14	164.6942
67	0.2531	SLE	Min	0.	1.955E-14	159.6083
67	0.5062	SLE	Min	0.	1.912E-14	156.1013
67	0.	SLU	Max	0.	2.622E-14	214.1025
67	0.2531	SLU	Max	0.	2.541E-14	207.4908
67	0.5062	SLU	Max	0.	2.485E-14	202.9317
67	0.	SLU	Min	0.	2.622E-14	214.1025
67	0.2531	SLU	Min	0.	2.541E-14	207.4908
67	0.5062	SLU	Min	0.	2.485E-14	202.9317
67	0.	SLV_DX_D	Max	0.	-1.482E-14	-121.0007
67	0.2531	SLV_DX_D	Max	0.	-1.154E-14	-94.1989
67	0.5062	SLV_DX_D	Max	0.	-8.036E-15	-65.619
67	0.	SLV_DX_D	Min	0.	-1.482E-14	-121.0007
67	0.2531	SLV_DX_D	Min	0.	-1.154E-14	-94.1989
67	0.5062	SLV_DX_D	Min	0.	-8.036E-15	-65.619
67	0.	SLV_SX_D	Max	0.	3.192E-14	260.6597

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
67	0.2531	SLV_SX_D	Max	0.	2.953E-14	241.1037
67	0.5062	SLV_SX_D	Max	0.	2.737E-14	223.5274
67	0.	SLV_SX_D	Min	0.	3.192E-14	260.6597
67	0.2531	SLV_SX_D	Min	0.	2.953E-14	241.1037
67	0.5062	SLV_SX_D	Min	0.	2.737E-14	223.5274
67	0.	SLV_DX_U	Max	0.	-3.530E-14	-288.2071
67	0.2531	SLV_DX_U	Max	0.	-3.073E-14	-250.8906
67	0.5062	SLV_DX_U	Max	0.	-2.601E-14	-212.396
67	0.	SLV_DX_U	Min	0.	-3.530E-14	-288.2071
67	0.2531	SLV_DX_U	Min	0.	-3.073E-14	-250.8906
67	0.5062	SLV_DX_U	Min	0.	-2.601E-14	-212.396
67	0.	SLV_SX_U	Max	0.	2.207E-14	180.2031
67	0.2531	SLV_SX_U	Max	0.	1.973E-14	161.1081
67	0.5062	SLV_SX_U	Max	0.	1.756E-14	143.3928
67	0.	SLV_SX_U	Min	0.	2.207E-14	180.2031
67	0.2531	SLV_SX_U	Min	0.	1.973E-14	161.1081
67	0.5062	SLV_SX_U	Min	0.	1.756E-14	143.3928
68	0.	SLE	Max	0.	1.912E-14	156.1013
68	0.2531	SLE	Max	0.	1.859E-14	151.7835
68	0.5062	SLE	Max	0.	1.825E-14	149.0555
68	0.	SLE	Min	0.	1.912E-14	156.1013
68	0.2531	SLE	Min	0.	1.859E-14	151.7835
68	0.5062	SLE	Min	0.	1.825E-14	149.0555
68	0.	SLU	Max	0.	2.485E-14	202.9317
68	0.2531	SLU	Max	0.	2.416E-14	197.3186
68	0.5062	SLU	Max	0.	2.373E-14	193.7721
68	0.	SLU	Min	0.	2.485E-14	202.9317
68	0.2531	SLU	Min	0.	2.416E-14	197.3186
68	0.5062	SLU	Min	0.	2.373E-14	193.7721
68	0.	SLV_DX_D	Max	0.	-8.036E-15	-65.619
68	0.2531	SLV_DX_D	Max	0.	-4.838E-15	-39.5048
68	0.5062	SLV_DX_D	Max	0.	-1.417E-15	-11.571
68	0.	SLV_DX_D	Min	0.	-8.036E-15	-65.619
68	0.2531	SLV_DX_D	Min	0.	-4.838E-15	-39.5048
68	0.5062	SLV_DX_D	Min	0.	-1.417E-15	-11.571
68	0.	SLV_SX_D	Max	0.	2.737E-14	223.5274
68	0.2531	SLV_SX_D	Max	0.	2.457E-14	200.6084
68	0.5062	SLV_SX_D	Max	0.	2.200E-14	179.6533
68	0.	SLV_SX_D	Min	0.	2.737E-14	223.5274
68	0.2531	SLV_SX_D	Min	0.	2.457E-14	200.6084
68	0.5062	SLV_SX_D	Min	0.	2.200E-14	179.6533
68	0.	SLV_DX_U	Max	0.	-2.601E-14	-212.396
68	0.2531	SLV_DX_U	Max	0.	-2.162E-14	-176.5287
68	0.5062	SLV_DX_U	Max	0.	-1.708E-14	-139.4459
68	0.	SLV_DX_U	Min	0.	-2.601E-14	-212.396
68	0.2531	SLV_DX_U	Min	0.	-2.162E-14	-176.5287
68	0.5062	SLV_DX_U	Min	0.	-1.708E-14	-139.4459
68	0.	SLV_SX_U	Max	0.	1.756E-14	143.3928
68	0.2531	SLV_SX_U	Max	0.	1.459E-14	119.1257
68	0.5062	SLV_SX_U	Max	0.	1.178E-14	96.2185
68	0.	SLV_SX_U	Min	0.	1.756E-14	143.3928
68	0.2531	SLV_SX_U	Min	0.	1.459E-14	119.1257
68	0.5062	SLV_SX_U	Min	0.	1.178E-14	96.2185
69	0.	SLE	Max	0.	1.825E-14	149.0555

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
69	0.2531	SLE	Max	0.	1.787E-14	145.9321
69	0.5062	SLE	Max	0.	1.768E-14	144.4058
69	0.	SLE	Min	0.	1.825E-14	149.0555
69	0.2531	SLE	Min	0.	1.787E-14	145.9321
69	0.5062	SLE	Min	0.	1.768E-14	144.4058
69	0.	SLU	Max	0.	2.373E-14	193.7721
69	0.2531	SLU	Max	0.	2.323E-14	189.7118
69	0.5062	SLU	Max	0.	2.299E-14	187.7275
69	0.	SLU	Min	0.	2.373E-14	193.7721
69	0.2531	SLU	Min	0.	2.323E-14	189.7118
69	0.5062	SLU	Min	0.	2.299E-14	187.7275
69	0.	SLV_DX_D	Max	0.	-1.417E-15	-11.571
69	0.2531	SLV_DX_D	Max	0.	1.668E-15	13.6176
69	0.5062	SLV_DX_D	Max	0.	4.980E-15	40.6633
69	0.	SLV_DX_D	Min	0.	-1.417E-15	-11.571
69	0.2531	SLV_DX_D	Min	0.	1.668E-15	13.6176
69	0.5062	SLV_DX_D	Min	0.	4.980E-15	40.6633
69	0.	SLV_SX_D	Max	0.	2.200E-14	179.6533
69	0.2531	SLV_SX_D	Max	0.	1.886E-14	154.0226
69	0.5062	SLV_SX_D	Max	0.	1.596E-14	130.3357
69	0.	SLV_SX_D	Min	0.	2.200E-14	179.6533
69	0.2531	SLV_SX_D	Min	0.	1.886E-14	154.0226
69	0.5062	SLV_SX_D	Min	0.	1.596E-14	130.3357
69	0.	SLV_DX_U	Max	0.	-1.708E-14	-139.4459
69	0.2531	SLV_DX_U	Max	0.	-1.296E-14	-105.7914
69	0.5062	SLV_DX_U	Max	0.	-8.681E-15	-70.8869
69	0.	SLV_DX_U	Min	0.	-1.708E-14	-139.4459
69	0.2531	SLV_DX_U	Min	0.	-1.296E-14	-105.7914
69	0.5062	SLV_DX_U	Min	0.	-8.681E-15	-70.8869
69	0.	SLV_SX_U	Max	0.	1.178E-14	96.2185
69	0.2531	SLV_SX_U	Max	0.	8.244E-15	67.3181
69	0.5062	SLV_SX_U	Max	0.	4.869E-15	39.7546
69	0.	SLV_SX_U	Min	0.	1.178E-14	96.2185
69	0.2531	SLV_SX_U	Min	0.	8.244E-15	67.3181
69	0.5062	SLV_SX_U	Min	0.	4.869E-15	39.7546
70	0.	SLE	Max	0.	1.768E-14	144.4058
70	0.2531	SLE	Max	0.	1.748E-14	142.7285
70	0.5062	SLE	Max	0.	1.747E-14	142.6518
70	0.	SLE	Min	0.	1.768E-14	144.4058
70	0.2531	SLE	Min	0.	1.748E-14	142.7285
70	0.5062	SLE	Min	0.	1.747E-14	142.6518
70	0.	SLU	Max	0.	2.299E-14	187.7275
70	0.2531	SLU	Max	0.	2.272E-14	185.5471
70	0.5062	SLU	Max	0.	2.271E-14	185.4474
70	0.	SLU	Min	0.	2.299E-14	187.7275
70	0.2531	SLU	Min	0.	2.272E-14	185.5471
70	0.5062	SLU	Min	0.	2.271E-14	185.4474
70	0.	SLV_DX_D	Max	0.	4.980E-15	40.6633
70	0.2531	SLV_DX_D	Max	0.	7.927E-15	64.7298
70	0.5062	SLV_DX_D	Max	0.	1.111E-14	90.6866
70	0.	SLV_DX_D	Min	0.	4.980E-15	40.6633
70	0.2531	SLV_DX_D	Min	0.	7.927E-15	64.7298
70	0.5062	SLV_DX_D	Min	0.	1.111E-14	90.6866
70	0.	SLV_SX_D	Max	0.	1.596E-14	130.3357

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
70	0.2531	SLV_SX_D	Max	0.	1.255E-14	102.46
70	0.5062	SLV_SX_D	Max	0.	9.369E-15	76.5035
70	0.	SLV_SX_D	Min	0.	1.596E-14	130.3357
70	0.2531	SLV_SX_D	Min	0.	1.255E-14	102.46
70	0.5062	SLV_SX_D	Min	0.	9.369E-15	76.5035
70	0.	SLV_DX_U	Max	0.	-8.681E-15	-70.8869
70	0.2531	SLV_DX_U	Max	0.	-4.899E-15	-40.0053
70	0.5062	SLV_DX_U	Max	0.	-9.603E-16	-7.8417
70	0.	SLV_DX_U	Min	0.	-8.681E-15	-70.8869
70	0.2531	SLV_DX_U	Min	0.	-4.899E-15	-40.0053
70	0.5062	SLV_DX_U	Min	0.	-9.603E-16	-7.8417
70	0.	SLV_SX_U	Max	0.	4.869E-15	39.7546
70	0.2531	SLV_SX_U	Max	0.	8.186E-16	6.6846
70	0.5062	SLV_SX_U	Max	0.	-3.071E-15	-25.0745
70	0.	SLV_SX_U	Min	0.	4.869E-15	39.7546
70	0.2531	SLV_SX_U	Min	0.	8.186E-16	6.6846
70	0.5062	SLV_SX_U	Min	0.	-3.071E-15	-25.0745
71	0.	SLE	Max	0.	1.747E-14	142.6518
71	0.2531	SLE	Max	0.	1.745E-14	142.5025
71	0.5062	SLE	Max	0.	1.763E-14	143.9537
71	0.	SLE	Min	0.	1.747E-14	142.6518
71	0.2531	SLE	Min	0.	1.745E-14	142.5025
71	0.5062	SLE	Min	0.	1.763E-14	143.9537
71	0.	SLU	Max	0.	2.271E-14	185.4474
71	0.2531	SLU	Max	0.	2.269E-14	185.2532
71	0.5062	SLU	Max	0.	2.292E-14	187.1398
71	0.	SLU	Min	0.	2.271E-14	185.4474
71	0.2531	SLU	Min	0.	2.269E-14	185.2532
71	0.5062	SLU	Min	0.	2.292E-14	187.1398
71	0.	SLV_DX_D	Max	0.	1.111E-14	90.6866
71	0.2531	SLV_DX_D	Max	0.	1.389E-14	113.4121
71	0.5062	SLV_DX_D	Max	0.	1.691E-14	138.0568
71	0.	SLV_DX_D	Min	0.	1.111E-14	90.6866
71	0.2531	SLV_DX_D	Min	0.	1.389E-14	113.4121
71	0.5062	SLV_DX_D	Min	0.	1.691E-14	138.0568
71	0.	SLV_SX_D	Max	0.	9.369E-15	76.5035
71	0.2531	SLV_SX_D	Max	0.	5.722E-15	46.7234
71	0.5062	SLV_SX_D	Max	0.	2.306E-15	18.8335
71	0.	SLV_SX_D	Min	0.	9.369E-15	76.5035
71	0.2531	SLV_SX_D	Min	0.	5.722E-15	46.7234
71	0.5062	SLV_SX_D	Min	0.	2.306E-15	18.8335
71	0.	SLV_DX_U	Max	0.	-9.603E-16	-7.8417
71	0.2531	SLV_DX_U	Max	0.	2.428E-15	19.8281
71	0.5062	SLV_DX_U	Max	0.	5.977E-15	48.8088
71	0.	SLV_DX_U	Min	0.	-9.603E-16	-7.8417
71	0.2531	SLV_DX_U	Min	0.	2.428E-15	19.8281
71	0.5062	SLV_DX_U	Min	0.	5.977E-15	48.8088
71	0.	SLV_SX_U	Max	0.	-3.071E-15	-25.0745
71	0.2531	SLV_SX_U	Max	0.	-7.575E-15	-61.8579
71	0.5062	SLV_SX_U	Max	0.	-1.192E-14	-97.3594
71	0.	SLV_SX_U	Min	0.	-3.071E-15	-25.0745
71	0.2531	SLV_SX_U	Min	0.	-7.575E-15	-61.8579
71	0.5062	SLV_SX_U	Min	0.	-1.192E-14	-97.3594
72	0.	SLE	Max	0.	1.763E-14	143.9537

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
72	0.2531	SLE	Max	0.	1.779E-14	145.2469
72	0.5062	SLE	Max	0.	1.814E-14	148.1372
72	0.	SLE	Min	0.	1.763E-14	143.9537
72	0.2531	SLE	Min	0.	1.779E-14	145.2469
72	0.5062	SLE	Min	0.	1.814E-14	148.1372
72	0.	SLU	Max	0.	2.292E-14	187.1398
72	0.2531	SLU	Max	0.	2.312E-14	188.821
72	0.5062	SLU	Max	0.	2.358E-14	192.5783
72	0.	SLU	Min	0.	2.292E-14	187.1398
72	0.2531	SLU	Min	0.	2.312E-14	188.821
72	0.5062	SLU	Min	0.	2.358E-14	192.5783
72	0.	SLV_DX_D	Max	0.	1.691E-14	138.0568
72	0.2531	SLV_DX_D	Max	0.	1.949E-14	159.1416
72	0.5062	SLV_DX_D	Max	0.	2.231E-14	182.1702
72	0.	SLV_DX_D	Min	0.	1.691E-14	138.0568
72	0.2531	SLV_DX_D	Min	0.	1.949E-14	159.1416
72	0.5062	SLV_DX_D	Min	0.	2.231E-14	182.1702
72	0.	SLV_SX_D	Max	0.	2.306E-15	18.8335
72	0.2531	SLV_SX_D	Max	0.	-1.539E-15	-12.5698
72	0.5062	SLV_SX_D	Max	0.	-5.158E-15	-42.1161
72	0.	SLV_SX_D	Min	0.	2.306E-15	18.8335
72	0.2531	SLV_SX_D	Min	0.	-1.539E-15	-12.5698
72	0.5062	SLV_SX_D	Min	0.	-5.158E-15	-42.1161
72	0.	SLV_DX_U	Max	0.	5.977E-15	48.8088
72	0.2531	SLV_DX_U	Max	0.	8.925E-15	72.875
72	0.5062	SLV_DX_U	Max	0.	1.204E-14	98.278
72	0.	SLV_DX_U	Min	0.	5.977E-15	48.8088
72	0.2531	SLV_DX_U	Min	0.	8.925E-15	72.875
72	0.5062	SLV_DX_U	Min	0.	1.204E-14	98.278
72	0.	SLV_SX_U	Max	0.	-1.192E-14	-97.3594
72	0.2531	SLV_SX_U	Max	0.	-1.682E-14	-137.3277
72	0.5062	SLV_SX_U	Max	0.	-2.156E-14	-176.0459
72	0.	SLV_SX_U	Min	0.	-1.192E-14	-97.3594
72	0.2531	SLV_SX_U	Min	0.	-1.682E-14	-137.3277
72	0.5062	SLV_SX_U	Min	0.	-2.156E-14	-176.0459
73	0.	SLE	Max	0.	1.814E-14	148.1372
73	0.2531	SLE	Max	0.	1.845E-14	150.6186
73	0.5062	SLE	Max	0.	1.894E-14	154.6898
73	0.	SLE	Min	0.	1.814E-14	148.1372
73	0.2531	SLE	Min	0.	1.845E-14	150.6186
73	0.5062	SLE	Min	0.	1.894E-14	154.6898
73	0.	SLU	Max	0.	2.358E-14	192.5783
73	0.2531	SLU	Max	0.	2.398E-14	195.8042
73	0.5062	SLU	Max	0.	2.463E-14	201.0967
73	0.	SLU	Min	0.	2.358E-14	192.5783
73	0.2531	SLU	Min	0.	2.398E-14	195.8042
73	0.5062	SLU	Min	0.	2.463E-14	201.0967
73	0.	SLV_DX_D	Max	0.	2.231E-14	182.1702
73	0.2531	SLV_DX_D	Max	0.	2.464E-14	201.1748
73	0.5062	SLV_DX_D	Max	0.	2.720E-14	222.1434
73	0.	SLV_DX_D	Min	0.	2.231E-14	182.1702
73	0.2531	SLV_DX_D	Min	0.	2.464E-14	201.1748
73	0.5062	SLV_DX_D	Min	0.	2.720E-14	222.1434
73	0.	SLV_SX_D	Max	0.	-5.158E-15	-42.1161

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
73	0.2531	SLV_SX_D	Max	0.	-9.167E-15	-74.8533
73	0.5062	SLV_SX_D	Max	0.	-1.295E-14	-105.771
73	0.	SLV_SX_D	Min	0.	-5.158E-15	-42.1161
73	0.2531	SLV_SX_D	Min	0.	-9.167E-15	-74.8533
73	0.5062	SLV_SX_D	Min	0.	-1.295E-14	-105.771
73	0.	SLV_DX_U	Max	0.	1.204E-14	98.278
73	0.2531	SLV_DX_U	Max	0.	1.449E-14	118.3259
73	0.5062	SLV_DX_U	Max	0.	1.711E-14	139.7337
73	0.	SLV_DX_U	Min	0.	1.204E-14	98.278
73	0.2531	SLV_DX_U	Min	0.	1.449E-14	118.3259
73	0.5062	SLV_DX_U	Min	0.	1.711E-14	139.7337
73	0.	SLV_SX_U	Max	0.	-2.156E-14	-176.0459
73	0.2531	SLV_SX_U	Max	0.	-2.676E-14	-218.5136
73	0.5062	SLV_SX_U	Max	0.	-3.181E-14	-259.7658
73	0.	SLV_SX_U	Min	0.	-2.156E-14	-176.0459
73	0.2531	SLV_SX_U	Min	0.	-2.676E-14	-218.5136
73	0.5062	SLV_SX_U	Min	0.	-3.181E-14	-259.7658
74	0.	SLE	Max	0.	1.894E-14	154.6898
74	0.2531	SLE	Max	0.	1.934E-14	157.9314
74	0.5062	SLE	Max	0.	1.993E-14	162.7518
74	0.	SLE	Min	0.	1.894E-14	154.6898
74	0.2531	SLE	Min	0.	1.934E-14	157.9314
74	0.5062	SLE	Min	0.	1.993E-14	162.7518
74	0.	SLU	Max	0.	2.463E-14	201.0967
74	0.2531	SLU	Max	0.	2.514E-14	205.3108
74	0.5062	SLU	Max	0.	2.591E-14	211.5773
74	0.	SLU	Min	0.	2.463E-14	201.0967
74	0.2531	SLU	Min	0.	2.514E-14	205.3108
74	0.5062	SLU	Min	0.	2.591E-14	211.5773
74	0.	SLV_DX_D	Max	0.	2.720E-14	222.1434
74	0.2531	SLV_DX_D	Max	0.	2.920E-14	238.4364
74	0.5062	SLV_DX_D	Max	0.	3.144E-14	256.7091
74	0.	SLV_DX_D	Min	0.	2.720E-14	222.1434
74	0.2531	SLV_DX_D	Min	0.	2.920E-14	238.4364
74	0.5062	SLV_DX_D	Min	0.	3.144E-14	256.7091
74	0.	SLV_SX_D	Max	0.	-1.295E-14	-105.771
74	0.2531	SLV_SX_D	Max	0.	-1.708E-14	-139.4702
74	0.5062	SLV_SX_D	Max	0.	-2.099E-14	-171.3915
74	0.	SLV_SX_D	Min	0.	-1.295E-14	-105.771
74	0.2531	SLV_SX_D	Min	0.	-1.708E-14	-139.4702
74	0.5062	SLV_SX_D	Min	0.	-2.099E-14	-171.3915
74	0.	SLV_DX_U	Max	0.	1.711E-14	139.7337
74	0.2531	SLV_DX_U	Max	0.	1.901E-14	155.267
74	0.5062	SLV_DX_U	Max	0.	2.109E-14	172.1801
74	0.	SLV_DX_U	Min	0.	1.711E-14	139.7337
74	0.2531	SLV_DX_U	Min	0.	1.901E-14	155.267
74	0.5062	SLV_DX_U	Min	0.	2.109E-14	172.1801
74	0.	SLV_SX_U	Max	0.	-3.181E-14	-259.7658
74	0.2531	SLV_SX_U	Max	0.	-3.720E-14	-303.7952
74	0.5062	SLV_SX_U	Max	0.	-4.245E-14	-346.6466
74	0.	SLV_SX_U	Min	0.	-3.181E-14	-259.7658
74	0.2531	SLV_SX_U	Min	0.	-3.720E-14	-303.7952
74	0.5062	SLV_SX_U	Min	0.	-4.245E-14	-346.6466
75	0.	SLE	Max	0.	1.993E-14	162.7518

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
75	0.2531	SLE	Max	0.	2.035E-14	166.1456
75	0.5062	SLE	Max	0.	2.095E-14	171.1039
75	0.	SLE	Min	0.	1.993E-14	162.7518
75	0.2531	SLE	Min	0.	2.035E-14	166.1456
75	0.5062	SLE	Min	0.	2.095E-14	171.1039
75	0.	SLU	Max	0.	2.591E-14	211.5773
75	0.2531	SLU	Max	0.	2.645E-14	215.9893
75	0.5062	SLU	Max	0.	2.724E-14	222.4351
75	0.	SLU	Min	0.	2.591E-14	211.5773
75	0.2531	SLU	Min	0.	2.645E-14	215.9893
75	0.5062	SLU	Min	0.	2.724E-14	222.4351
75	0.	SLV_DX_D	Max	0.	3.144E-14	256.7091
75	0.2531	SLV_DX_D	Max	0.	3.299E-14	269.4208
75	0.5062	SLV_DX_D	Max	0.	3.480E-14	284.1236
75	0.	SLV_DX_D	Min	0.	3.144E-14	256.7091
75	0.2531	SLV_DX_D	Min	0.	3.299E-14	269.4208
75	0.5062	SLV_DX_D	Min	0.	3.480E-14	284.1236
75	0.	SLV_SX_D	Max	0.	-2.099E-14	-171.3915
75	0.2531	SLV_SX_D	Max	0.	-2.517E-14	-205.5211
75	0.5062	SLV_SX_D	Max	0.	-2.914E-14	-237.9183
75	0.	SLV_SX_D	Min	0.	-2.099E-14	-171.3915
75	0.2531	SLV_SX_D	Min	0.	-2.517E-14	-205.5211
75	0.5062	SLV_SX_D	Min	0.	-2.914E-14	-237.9183
75	0.	SLV_DX_U	Max	0.	2.109E-14	172.1801
75	0.2531	SLV_DX_U	Max	0.	2.236E-14	182.5727
75	0.5062	SLV_DX_U	Max	0.	2.380E-14	194.3618
75	0.	SLV_DX_U	Min	0.	2.109E-14	172.1801
75	0.2531	SLV_DX_U	Min	0.	2.236E-14	182.5727
75	0.5062	SLV_DX_U	Min	0.	2.380E-14	194.3618
75	0.	SLV_SX_U	Max	0.	-4.245E-14	-346.6466
75	0.2531	SLV_SX_U	Max	0.	-4.788E-14	-390.9477
75	0.5062	SLV_SX_U	Max	0.	-5.316E-14	-434.111
75	0.	SLV_SX_U	Min	0.	-4.245E-14	-346.6466
75	0.2531	SLV_SX_U	Min	0.	-4.788E-14	-390.9477
75	0.5062	SLV_SX_U	Min	0.	-5.316E-14	-434.111
76	0.	SLE	Max	0.	2.095E-14	171.1039
76	0.2531	SLE	Max	0.	2.129E-14	173.8534
76	0.5062	SLE	Max	0.	2.182E-14	178.1493
76	0.	SLE	Min	0.	2.095E-14	171.1039
76	0.2531	SLE	Min	0.	2.129E-14	173.8534
76	0.5062	SLE	Min	0.	2.182E-14	178.1493
76	0.	SLU	Max	0.	2.724E-14	222.4351
76	0.2531	SLU	Max	0.	2.768E-14	226.0094
76	0.5062	SLU	Max	0.	2.836E-14	231.5941
76	0.	SLU	Min	0.	2.724E-14	222.4351
76	0.2531	SLU	Min	0.	2.768E-14	226.0094
76	0.5062	SLU	Min	0.	2.836E-14	231.5941
76	0.	SLV_DX_D	Max	0.	3.480E-14	284.1236
76	0.2531	SLV_DX_D	Max	0.	3.577E-14	292.1054
76	0.5062	SLV_DX_D	Max	0.	3.699E-14	302.085
76	0.	SLV_DX_D	Min	0.	3.480E-14	284.1236
76	0.2531	SLV_DX_D	Min	0.	3.577E-14	292.1054
76	0.5062	SLV_DX_D	Min	0.	3.699E-14	302.085
76	0.	SLV_SX_D	Max	0.	-2.914E-14	-237.9183

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
76	0.2531	SLV_SX_D	Max	0.	-3.327E-14	-271.7086
76	0.5062	SLV_SX_D	Max	0.	-3.721E-14	-303.8161
76	0.	SLV_SX_D	Min	0.	-2.914E-14	-237.9183
76	0.2531	SLV_SX_D	Min	0.	-3.327E-14	-271.7086
76	0.5062	SLV_SX_D	Min	0.	-3.721E-14	-303.8161
76	0.	SLV_DX_U	Max	0.	2.380E-14	194.3618
76	0.2531	SLV_DX_U	Max	0.	2.435E-14	198.8184
76	0.5062	SLV_DX_U	Max	0.	2.507E-14	204.685
76	0.	SLV_DX_U	Min	0.	2.380E-14	194.3618
76	0.2531	SLV_DX_U	Min	0.	2.435E-14	198.8184
76	0.5062	SLV_DX_U	Min	0.	2.507E-14	204.685
76	0.	SLV_SX_U	Max	0.	-5.316E-14	-434.111
76	0.2531	SLV_SX_U	Max	0.	-5.841E-14	-476.9395
76	0.5062	SLV_SX_U	Max	0.	-6.352E-14	-518.6729
76	0.	SLV_SX_U	Min	0.	-5.316E-14	-434.111
76	0.2531	SLV_SX_U	Min	0.	-5.841E-14	-476.9395
76	0.5062	SLV_SX_U	Min	0.	-6.352E-14	-518.6729
77	0.	SLE	Max	0.	2.182E-14	178.1493
77	0.2531	SLE	Max	0.	2.195E-14	179.2609
77	0.5062	SLE	Max	0.	2.228E-14	181.8975
77	0.	SLE	Min	0.	2.182E-14	178.1493
77	0.2531	SLE	Min	0.	2.195E-14	179.2609
77	0.5062	SLE	Min	0.	2.228E-14	181.8975
77	0.	SLU	Max	0.	2.836E-14	231.5941
77	0.2531	SLU	Max	0.	2.854E-14	233.0392
77	0.5062	SLU	Max	0.	2.896E-14	236.4668
77	0.	SLU	Min	0.	2.836E-14	231.5941
77	0.2531	SLU	Min	0.	2.854E-14	233.0392
77	0.5062	SLU	Min	0.	2.896E-14	236.4668
77	0.	SLV_DX_D	Max	0.	3.699E-14	302.085
77	0.2531	SLV_DX_D	Max	0.	3.721E-14	303.8788
77	0.5062	SLV_DX_D	Max	0.	3.768E-14	307.6726
77	0.	SLV_DX_D	Min	0.	3.699E-14	302.085
77	0.2531	SLV_DX_D	Min	0.	3.721E-14	303.8788
77	0.5062	SLV_DX_D	Min	0.	3.768E-14	307.6726
77	0.	SLV_SX_D	Max	0.	-3.721E-14	-303.8161
77	0.2531	SLV_SX_D	Max	0.	-4.117E-14	-336.1811
77	0.5062	SLV_SX_D	Max	0.	-4.493E-14	-366.9166
77	0.	SLV_SX_D	Min	0.	-3.721E-14	-303.8161
77	0.2531	SLV_SX_D	Min	0.	-4.117E-14	-336.1811
77	0.5062	SLV_SX_D	Min	0.	-4.493E-14	-366.9166
77	0.	SLV_DX_U	Max	0.	2.507E-14	204.685
77	0.2531	SLV_DX_U	Max	0.	2.476E-14	202.2164
77	0.5062	SLV_DX_U	Max	0.	2.464E-14	201.1682
77	0.	SLV_DX_U	Min	0.	2.507E-14	204.685
77	0.2531	SLV_DX_U	Min	0.	2.476E-14	202.2164
77	0.5062	SLV_DX_U	Min	0.	2.464E-14	201.1682
77	0.	SLV_SX_U	Max	0.	-6.352E-14	-518.6729
77	0.2531	SLV_SX_U	Max	0.	-6.830E-14	-557.7285
77	0.5062	SLV_SX_U	Max	0.	-7.296E-14	-595.7342
77	0.	SLV_SX_U	Min	0.	-6.352E-14	-518.6729
77	0.2531	SLV_SX_U	Min	0.	-6.830E-14	-557.7285
77	0.5062	SLV_SX_U	Min	0.	-7.296E-14	-595.7342
78	0.	SLE	Max	0.	2.228E-14	181.8975

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
78	0.2531	SLE	Max	0.	2.207E-14	180.1752
78	0.5062	SLE	Max	0.	2.204E-14	179.953
78	0.	SLE	Min	0.	2.228E-14	181.8975
78	0.2531	SLE	Min	0.	2.207E-14	180.1752
78	0.5062	SLE	Min	0.	2.204E-14	179.953
78	0.	SLU	Max	0.	2.896E-14	236.4668
78	0.2531	SLU	Max	0.	2.868E-14	234.2278
78	0.5062	SLU	Max	0.	2.865E-14	233.9389
78	0.	SLU	Min	0.	2.896E-14	236.4668
78	0.2531	SLU	Min	0.	2.868E-14	234.2278
78	0.5062	SLU	Min	0.	2.865E-14	233.9389
78	0.	SLV_DX_D	Max	0.	3.768E-14	307.6726
78	0.2531	SLV_DX_D	Max	0.	3.692E-14	301.493
78	0.5062	SLV_DX_D	Max	0.	3.641E-14	297.3112
78	0.	SLV_DX_D	Min	0.	3.768E-14	307.6726
78	0.2531	SLV_DX_D	Min	0.	3.692E-14	301.493
78	0.5062	SLV_DX_D	Min	0.	3.641E-14	297.3112
78	0.	SLV_SX_D	Max	0.	-4.493E-14	-366.9166
78	0.2531	SLV_SX_D	Max	0.	-4.854E-14	-396.3756
78	0.5062	SLV_SX_D	Max	0.	-5.196E-14	-424.2622
78	0.	SLV_SX_D	Min	0.	-4.493E-14	-366.9166
78	0.2531	SLV_SX_D	Min	0.	-4.854E-14	-396.3756
78	0.5062	SLV_SX_D	Min	0.	-5.196E-14	-424.2622
78	0.	SLV_DX_U	Max	0.	2.464E-14	201.1682
78	0.2531	SLV_DX_U	Max	0.	2.334E-14	190.5818
78	0.5062	SLV_DX_U	Max	0.	2.222E-14	181.423
78	0.	SLV_DX_U	Min	0.	2.464E-14	201.1682
78	0.2531	SLV_DX_U	Min	0.	2.334E-14	190.5818
78	0.5062	SLV_DX_U	Min	0.	2.222E-14	181.423
78	0.	SLV_SX_U	Max	0.	-7.296E-14	-595.7342
78	0.2531	SLV_SX_U	Max	0.	-7.692E-14	-628.0629
78	0.5062	SLV_SX_U	Max	0.	-8.075E-14	-659.3891
78	0.	SLV_SX_U	Min	0.	-7.296E-14	-595.7342
78	0.2531	SLV_SX_U	Min	0.	-7.692E-14	-628.0629
78	0.5062	SLV_SX_U	Min	0.	-8.075E-14	-659.3891
79	0.	SLE	Max	0.	2.204E-14	179.953
79	0.2531	SLE	Max	0.	2.131E-14	173.9972
79	0.5062	SLE	Max	0.	2.076E-14	169.5131
79	0.	SLE	Min	0.	2.204E-14	179.953
79	0.2531	SLE	Min	0.	2.131E-14	173.9972
79	0.5062	SLE	Min	0.	2.076E-14	169.5131
79	0.	SLU	Max	0.	2.865E-14	233.9389
79	0.2531	SLU	Max	0.	2.770E-14	226.1963
79	0.5062	SLU	Max	0.	2.699E-14	220.367
79	0.	SLU	Min	0.	2.865E-14	233.9389
79	0.2531	SLU	Min	0.	2.770E-14	226.1963
79	0.5062	SLU	Min	0.	2.699E-14	220.367
79	0.	SLV_DX_D	Max	0.	3.641E-14	297.3112
79	0.2531	SLV_DX_D	Max	0.	3.442E-14	281.0447
79	0.5062	SLV_DX_D	Max	0.	3.267E-14	266.769
79	0.	SLV_DX_D	Min	0.	3.641E-14	297.3112
79	0.2531	SLV_DX_D	Min	0.	3.442E-14	281.0447
79	0.5062	SLV_DX_D	Min	0.	3.267E-14	266.769
79	0.	SLV_SX_D	Max	0.	-5.196E-14	-424.2622

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
79	0.2531	SLV_SX_D	Max	0.	-5.497E-14	-448.8656
79	0.5062	SLV_SX_D	Max	0.	-5.780E-14	-471.9572
79	0.	SLV_SX_D	Min	0.	-5.196E-14	-424.2622
79	0.2531	SLV_SX_D	Min	0.	-5.497E-14	-448.8656
79	0.5062	SLV_SX_D	Min	0.	-5.780E-14	-471.9572
79	0.	SLV_DX_U	Max	0.	2.222E-14	181.423
79	0.2531	SLV_DX_U	Max	0.	1.976E-14	161.331
79	0.5062	SLV_DX_U	Max	0.	1.747E-14	142.6707
79	0.	SLV_DX_U	Min	0.	2.222E-14	181.423
79	0.2531	SLV_DX_U	Min	0.	1.976E-14	161.331
79	0.5062	SLV_DX_U	Min	0.	1.747E-14	142.6707
79	0.	SLV_SX_U	Max	0.	-8.075E-14	-659.3891
79	0.2531	SLV_SX_U	Max	0.	-8.343E-14	-681.2958
79	0.5062	SLV_SX_U	Max	0.	-8.600E-14	-702.2498
79	0.	SLV_SX_U	Min	0.	-8.075E-14	-659.3891
79	0.2531	SLV_SX_U	Min	0.	-8.343E-14	-681.2958
79	0.5062	SLV_SX_U	Min	0.	-8.600E-14	-702.2498
80	0.	SLE	Max	0.	2.076E-14	169.5131
80	0.2531	SLE	Max	0.	1.932E-14	157.7251
80	0.5062	SLE	Max	0.	1.805E-14	147.3773
80	0.	SLE	Min	0.	2.076E-14	169.5131
80	0.2531	SLE	Min	0.	1.932E-14	157.7251
80	0.5062	SLE	Min	0.	1.805E-14	147.3773
80	0.	SLU	Max	0.	2.699E-14	220.367
80	0.2531	SLU	Max	0.	2.511E-14	205.0427
80	0.5062	SLU	Max	0.	2.346E-14	191.5905
80	0.	SLU	Min	0.	2.699E-14	220.367
80	0.2531	SLU	Min	0.	2.511E-14	205.0427
80	0.5062	SLU	Min	0.	2.346E-14	191.5905
80	0.	SLV_DX_D	Max	0.	3.267E-14	266.769
80	0.2531	SLV_DX_D	Max	0.	2.915E-14	237.9893
80	0.5062	SLV_DX_D	Max	0.	2.586E-14	211.1892
80	0.	SLV_DX_D	Min	0.	3.267E-14	266.769
80	0.2531	SLV_DX_D	Min	0.	2.915E-14	237.9893
80	0.5062	SLV_DX_D	Min	0.	2.586E-14	211.1892
80	0.	SLV_SX_D	Max	0.	-5.780E-14	-471.9572
80	0.2531	SLV_SX_D	Max	0.	-5.991E-14	-489.225
80	0.5062	SLV_SX_D	Max	0.	-6.185E-14	-505.0449
80	0.	SLV_SX_D	Min	0.	-5.780E-14	-471.9572
80	0.2531	SLV_SX_D	Min	0.	-5.991E-14	-489.225
80	0.5062	SLV_SX_D	Min	0.	-6.185E-14	-505.0449
80	0.	SLV_DX_U	Max	0.	1.747E-14	142.6707
80	0.2531	SLV_DX_U	Max	0.	1.366E-14	111.5157
80	0.5062	SLV_DX_U	Max	0.	1.002E-14	81.7929
80	0.	SLV_DX_U	Min	0.	1.747E-14	142.6707
80	0.2531	SLV_DX_U	Min	0.	1.366E-14	111.5157
80	0.5062	SLV_DX_U	Min	0.	1.002E-14	81.7929
80	0.	SLV_SX_U	Max	0.	-8.600E-14	-702.2498
80	0.2531	SLV_SX_U	Max	0.	-8.701E-14	-710.5179
80	0.5062	SLV_SX_U	Max	0.	-8.792E-14	-717.8853
80	0.	SLV_SX_U	Min	0.	-8.600E-14	-702.2498
80	0.2531	SLV_SX_U	Min	0.	-8.701E-14	-710.5179
80	0.5062	SLV_SX_U	Min	0.	-8.792E-14	-717.8853
81	0.	SLE	Max	0.	1.805E-14	147.3773

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
81	0.2531	SLE	Max	0.	1.567E-14	127.9783
81	0.5062	SLE	Max	0.	1.347E-14	109.9844
81	0.	SLE	Min	0.	1.805E-14	147.3773
81	0.2531	SLE	Min	0.	1.567E-14	127.9783
81	0.5062	SLE	Min	0.	1.347E-14	109.9844
81	0.	SLU	Max	0.	2.346E-14	191.5905
81	0.2531	SLU	Max	0.	2.037E-14	166.3717
81	0.5062	SLU	Max	0.	1.751E-14	142.9797
81	0.	SLU	Min	0.	2.346E-14	191.5905
81	0.2531	SLU	Min	0.	2.037E-14	166.3717
81	0.5062	SLU	Min	0.	1.751E-14	142.9797
81	0.	SLV_DX_D	Max	0.	2.586E-14	211.1892
81	0.2531	SLV_DX_D	Max	0.	2.048E-14	167.204
81	0.5062	SLV_DX_D	Max	0.	1.533E-14	125.1827
81	0.	SLV_DX_D	Min	0.	2.586E-14	211.1892
81	0.2531	SLV_DX_D	Min	0.	2.048E-14	167.204
81	0.5062	SLV_DX_D	Min	0.	1.533E-14	125.1827
81	0.	SLV_SX_D	Max	0.	-6.185E-14	-505.0449
81	0.2531	SLV_SX_D	Max	0.	-6.269E-14	-511.9117
81	0.5062	SLV_SX_D	Max	0.	-6.336E-14	-517.3978
81	0.	SLV_SX_D	Min	0.	-6.185E-14	-505.0449
81	0.2531	SLV_SX_D	Min	0.	-6.269E-14	-511.9117
81	0.5062	SLV_SX_D	Min	0.	-6.336E-14	-517.3978
81	0.	SLV_DX_U	Max	0.	1.002E-14	81.7929
81	0.2531	SLV_DX_U	Max	0.	4.642E-15	37.9019
81	0.5062	SLV_DX_U	Max	0.	-5.584E-16	-4.5595
81	0.	SLV_DX_U	Min	0.	1.002E-14	81.7929
81	0.2531	SLV_DX_U	Min	0.	4.642E-15	37.9019
81	0.5062	SLV_DX_U	Min	0.	-5.584E-16	-4.5595
81	0.	SLV_SX_U	Max	0.	-8.792E-14	-717.8853
81	0.2531	SLV_SX_U	Max	0.	-8.728E-14	-712.6647
81	0.5062	SLV_SX_U	Max	0.	-8.653E-14	-706.5975
81	0.	SLV_SX_U	Min	0.	-8.792E-14	-717.8853
81	0.2531	SLV_SX_U	Min	0.	-8.728E-14	-712.6647
81	0.5062	SLV_SX_U	Min	0.	-8.653E-14	-706.5975
82	0.	SLE	Max	0.	1.100E-14	109.9844
82	0.40189	SLE	Max	0.	9.909E-16	19.2727
82	0.80378	SLE	Max	0.	-8.392E-15	-66.3133
82	0.	SLE	Min	0.	1.100E-14	109.9844
82	0.40189	SLE	Min	0.	9.909E-16	19.2727
82	0.80378	SLE	Min	0.	-8.392E-15	-66.3133
82	0.	SLU	Max	0.	1.430E-14	142.9797
82	0.40189	SLU	Max	0.	1.288E-15	25.0545
82	0.80378	SLU	Max	0.	-1.091E-14	-86.2073
82	0.	SLU	Min	0.	1.430E-14	142.9797
82	0.40189	SLU	Min	0.	1.288E-15	25.0545
82	0.80378	SLU	Min	0.	-1.091E-14	-86.2073
82	0.	SLV_DX_D	Max	0.	1.397E-14	125.1827
82	0.40189	SLV_DX_D	Max	0.	-3.137E-16	-4.2373
82	0.80378	SLV_DX_D	Max	0.	-1.370E-14	-126.3328
82	0.	SLV_DX_D	Min	0.	1.397E-14	125.1827
82	0.40189	SLV_DX_D	Min	0.	-3.137E-16	-4.2373
82	0.80378	SLV_DX_D	Min	0.	-1.370E-14	-126.3328
82	0.	SLV_SX_D	Max	0.	-2.486E-14	-517.3978

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
82	0.40189	SLV_SX_D	Max	0.	-3.147E-14	-577.2046
82	0.80378	SLV_SX_D	Max	0.	-3.748E-14	-632.1368
82	0.	SLV_SX_D	Min	0.	-2.486E-14	-517.3978
82	0.40189	SLV_SX_D	Min	0.	-3.147E-14	-577.2046
82	0.80378	SLV_SX_D	Min	0.	-3.748E-14	-632.1368
82	0.	SLV_DX_U	Max	0.	5.223E-15	-4.5595
82	0.40189	SLV_DX_U	Max	0.	-5.695E-15	-103.5115
82	0.80378	SLV_DX_U	Max	0.	-1.595E-14	-197.0868
82	0.	SLV_DX_U	Min	0.	5.223E-15	-4.5595
82	0.40189	SLV_DX_U	Min	0.	-5.695E-15	-103.5115
82	0.80378	SLV_DX_U	Min	0.	-1.595E-14	-197.0868
82	0.	SLV_SX_U	Max	0.	-3.755E-14	-706.5975
82	0.40189	SLV_SX_U	Max	0.	-3.940E-14	-723.2414
82	0.80378	SLV_SX_U	Max	0.	-4.089E-14	-736.9583
82	0.	SLV_SX_U	Min	0.	-3.755E-14	-706.5975
82	0.40189	SLV_SX_U	Min	0.	-3.940E-14	-723.2414
82	0.80378	SLV_SX_U	Min	0.	-4.089E-14	-736.9583
83	0.	SLE	Max	0.	7.638E-15	-66.3133
83	0.40189	SLE	Max	0.	-1.471E-14	-269.1653
83	0.80378	SLE	Max	0.	-3.645E-14	-467.1496
83	0.	SLE	Min	0.	7.638E-15	-66.3133
83	0.40189	SLE	Min	0.	-1.471E-14	-269.1653
83	0.80378	SLE	Min	0.	-3.645E-14	-467.1496
83	0.	SLU	Max	0.	9.930E-15	-86.2073
83	0.40189	SLU	Max	0.	-1.912E-14	-349.9148
83	0.80378	SLU	Max	0.	-4.739E-14	-607.2945
83	0.	SLU	Min	0.	9.930E-15	-86.2073
83	0.40189	SLU	Min	0.	-1.912E-14	-349.9148
83	0.80378	SLU	Min	0.	-4.739E-14	-607.2945
83	0.	SLV_DX_D	Max	0.	5.614E-15	-126.3328
83	0.40189	SLV_DX_D	Max	0.	-1.923E-14	-351.7535
83	0.80378	SLV_DX_D	Max	0.	-4.319E-14	-570.0133
83	0.	SLV_DX_D	Min	0.	5.614E-15	-126.3328
83	0.40189	SLV_DX_D	Min	0.	-1.923E-14	-351.7535
83	0.80378	SLV_DX_D	Min	0.	-4.319E-14	-570.0133
83	0.	SLV_SX_D	Max	0.	-2.616E-14	-632.1368
83	0.40189	SLV_SX_D	Max	0.	-4.256E-14	-780.9931
83	0.80378	SLV_SX_D	Max	0.	-5.842E-14	-925.4255
83	0.	SLV_SX_D	Min	0.	-2.616E-14	-632.1368
83	0.40189	SLV_SX_D	Min	0.	-4.256E-14	-780.9931
83	0.80378	SLV_SX_D	Min	0.	-5.842E-14	-925.4255
83	0.	SLV_DX_U	Max	0.	-3.452E-15	-197.0868
83	0.40189	SLV_DX_U	Max	0.	-1.794E-14	-328.5022
83	0.80378	SLV_DX_U	Max	0.	-3.178E-14	-454.6064
83	0.	SLV_DX_U	Min	0.	-3.452E-15	-197.0868
83	0.40189	SLV_DX_U	Min	0.	-1.794E-14	-328.5022
83	0.80378	SLV_DX_U	Min	0.	-3.178E-14	-454.6064
83	0.	SLV_SX_U	Max	0.	-3.768E-14	-736.9583
83	0.40189	SLV_SX_U	Max	0.	-4.253E-14	-780.8896
83	0.80378	SLV_SX_U	Max	0.	-4.707E-14	-822.2466
83	0.	SLV_SX_U	Min	0.	-3.768E-14	-736.9583
83	0.40189	SLV_SX_U	Min	0.	-4.253E-14	-780.8896
83	0.80378	SLV_SX_U	Min	0.	-4.707E-14	-822.2466
84	0.	SLE	Max	0.	-2.434E-14	-418.3302

Table 21: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	T	M2	M3
	m			KN-m	KN-m	KN-m
84	0.27332	SLE	Max	0.	-2.139E-14	-392.9501
84	0.54664	SLE	Max	0.	-1.839E-14	-367.1095
84	0.	SLE	Min	0.	-2.434E-14	-418.3302
84	0.27332	SLE	Min	0.	-2.139E-14	-392.9501
84	0.54664	SLE	Min	0.	-1.839E-14	-367.1095
84	0.	SLU	Max	0.	-3.164E-14	-543.8293
84	0.27332	SLU	Max	0.	-2.781E-14	-510.8351
84	0.54664	SLU	Max	0.	-2.391E-14	-477.2424
84	0.	SLU	Min	0.	-3.164E-14	-543.8293
84	0.27332	SLU	Min	0.	-2.781E-14	-510.8351
84	0.54664	SLU	Min	0.	-2.391E-14	-477.2424
84	0.	SLV_DX_D	Max	0.	-3.501E-14	-526.5792
84	0.27332	SLV_DX_D	Max	0.	-2.308E-14	-423.7896
84	0.54664	SLV_DX_D	Max	0.	-1.096E-14	-319.4024
84	0.	SLV_DX_D	Min	0.	-3.501E-14	-526.5792
84	0.27332	SLV_DX_D	Min	0.	-2.308E-14	-423.7896
84	0.54664	SLV_DX_D	Min	0.	-1.096E-14	-319.4024
84	0.	SLV_SX_D	Max	0.	-6.244E-14	-989.0733
84	0.27332	SLV_SX_D	Max	0.	-4.609E-14	-848.4358
84	0.54664	SLV_SX_D	Max	0.	-3.075E-14	-716.0773
84	0.	SLV_SX_D	Min	0.	-6.244E-14	-989.0733
84	0.27332	SLV_SX_D	Min	0.	-4.609E-14	-848.4358
84	0.54664	SLV_SX_D	Min	0.	-3.075E-14	-716.0773
84	0.	SLV_DX_U	Max	0.	-3.239E-14	-450.9191
84	0.27332	SLV_DX_U	Max	0.	-1.764E-14	-323.7535
84	0.54664	SLV_DX_U	Max	0.	-2.708E-15	-195.1653
84	0.	SLV_DX_U	Min	0.	-3.239E-14	-450.9191
84	0.27332	SLV_DX_U	Min	0.	-1.764E-14	-323.7535
84	0.54664	SLV_DX_U	Min	0.	-2.708E-15	-195.1653
84	0.	SLV_SX_U	Max	0.	-6.182E-14	-939.5613
84	0.27332	SLV_SX_U	Max	0.	-4.155E-14	-765.1896
84	0.54664	SLV_SX_U	Max	0.	-2.232E-14	-599.2719
84	0.	SLV_SX_U	Min	0.	-6.182E-14	-939.5613
84	0.27332	SLV_SX_U	Min	0.	-4.155E-14	-765.1896
84	0.54664	SLV_SX_U	Min	0.	-2.232E-14	-599.2719

9. Material take-off

This section provides a material take-off.

Table 22: Material List 2 - By Section Property

Table 22: Material List 2 - By Section Property

Section	ObjectType	NumPieces	TotalLength	TotalWeight
			m	KN
C090	Frame	20	10.00968	225.151
C092	Frame	6	2.7857	64.052
C096	Frame	6	2.7857	66.837
C105	Frame	6	2.7857	73.103
C115	Frame	2	0.90202	25.925
C117	Frame	4	1.88369	55.082
C132	Frame	4	1.88369	62.143

Table 22: Material List 2 - By Section Property

Section	ObjectType	NumPieces	TotalLength	TotalWeight
			m	KN
C150	Frame	10	6.19208	232.134
C172	Frame	4	1.88369	80.975
C100	Frame	22	11.13644	278.329