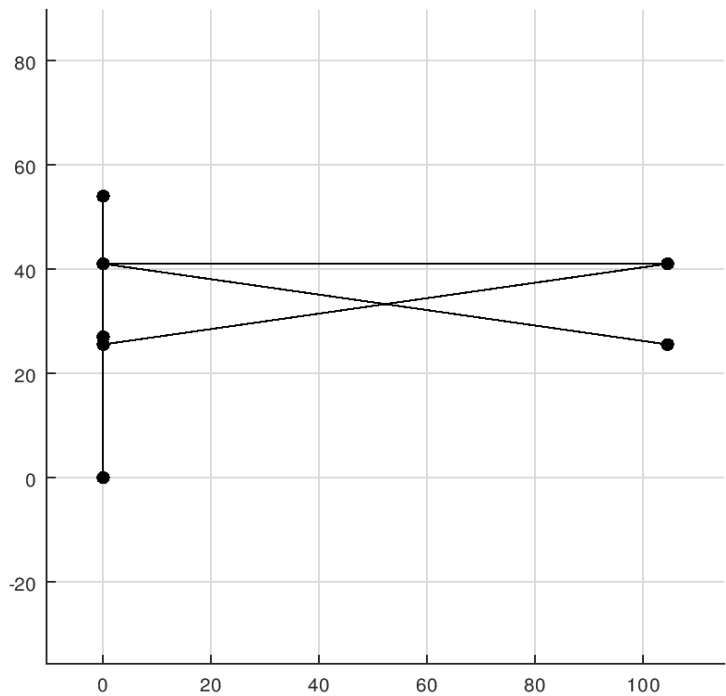


Design3Horizontal



Column1			
*****			
GEOMETRY			
*****			
-----			
Nodal Coordinates:			
(Node No. - X - Y - Z)			
-----			
NODES =			
1.00000	0.00000	0.00000	
2.00000	0.00000	25.56000	
3.00000	0.00000	27.00000	
4.00000	0.00000	41.04000	
5.00000	0.00000	54.00000	
6.00000	104.50000	25.56000	
7.00000	104.50000	41.04000	
-----			

(Node No. - Tx - Ty - Rz)

1 0 1 0

6 1 1 1

7 1 1 1

(Ele No. - iNode - jNode - Member Type - E - A - I)

1.00000	1.00000	2.00000	0.00000	29000.00000	9999.00000	999999.00000
2.00000	2.00000	3.00000	0.00000	29000.00000	9999.00000	999999.00000
3.00000	3.00000	4.00000	0.00000	29000.00000	9999.00000	999999.00000
4.00000	4.00000	5.00000	0.00000	29000.00000	9999.00000	999999.00000
5.00000	4.00000	7.00000	0.00000	29000.00000	2.00000	2.85000
6.00000	4.00000	6.00000	0.00000	29000.00000	2.00000	2.85000
7.00000	2.00000	7.00000	0.00000	29000.00000	2.00000	2.85000

(Node No. - Fx - Fy - Mz)

3.00000	16.50000	0.00000	0.00000
---------	----------	---------	---------

ans =

-10.450 114.950 -35.700 89.700

\*\*\*\*\*

## ANALYSIS

\*\*\*\*\*

kff =

Columns 1 through 9:

[illegible]

Columns 10 through 14:

0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00
0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00
0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00
0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00
0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00
0.0000e+00	-8.8270e+08	0.0000e+00	0.0000e+00	0.0000e+00
-2.0653e+07	0.0000e+00	0.0000e+00	0.0000e+00	0.0000e+00
0.0000e+00	4.1311e+09	0.0000e+00	0.0000e+00	0.0000e+00
-7.9462e+01	-1.5325e+08	-1.5987e+08	0.0000e+00	-1.0360e+09
4.3028e+07	8.9367e+01	0.0000e+00	-2.2374e+07	0.0000e+00
8.9367e+01	1.7213e+10	1.0360e+09	0.0000e+00	4.4753e+09
0.0000e+00	1.0360e+09	1.5987e+08	0.0000e+00	1.0360e+09
-2.2374e+07	0.0000e+00	0.0000e+00	2.2374e+07	0.0000e+00
0.0000e+00	4.4753e+09	1.0360e+09	0.0000e+00	8.9506e+09

Number of dof: 14

Number of loads: 1

LOADS =

3.00000	16.50000	0.00000	0.00000
---------	----------	---------	---------

deg = 6

deg = 7

deg = 8
P =
0.00000
0.00000
0.00000
0.00000
0.00000
16.50000
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000
uf =
0.06559896394
0.00154366200
0.02614296315
-0.00000018552
0.00154366200
0.02392008946
-0.00000018531
0.00154366274
0.00224701932
-0.00000018335
0.00154366640
-0.01775889724
-0.00000018335
0.00154366640
*****
Post Process
*****
-----
Nodal Displacements:
(Node No. - Tx - Ty - Rz)
-----
NodalDisp =
1.00000 0.06560 0.00000 0.00154

2.00000	0.02614	-0.00000	0.00154
3.00000	0.02392	-0.00000	0.00154
4.00000	0.00225	-0.00000	0.00154
5.00000	-0.01776	-0.00000	0.00154
6.00000	0.00000	0.00000	0.00000
7.00000	0.00000	0.00000	0.00000
-----			
-----			
Global Member Forces:			
(Element No. - iFx - iFy - iMz - jFx - jFy - jMz)			
-----			
GlobalForces =			
1.00000	-0.00000	2.10462	0.00000
2.00000	-14.03555	-0.04060	-4.66063
3.00000	2.46445	-0.04060	-24.87182
4.00000	0.00000	0.00000	-0.00000
5.00000	1.24715	0.07010	4.88359
6.00000	1.21730	-0.11070	4.84551
7.00000	14.03555	2.14523	4.66063
-----			
-----			
Local Member Forces:			
(Element No. - iFx - iFy - iMz - jFx - jFy - jMz)			
-----			
LocalForces =			
1.00000	2.10462	0.00000	0.00000
2.00000	-0.04060	14.03555	-4.66063
3.00000	-0.04060	-2.46445	-24.87182
4.00000	0.00000	0.00000	-0.00000
5.00000	1.24715	0.07010	4.88359
6.00000	1.22038	0.06887	4.84551
7.00000	14.19839	0.06537	4.66063
-----			
-----			
Nodal Support Reactions:			
(Node No. - Fx - Fy - Mz)			
-----			
Support =			
1.00000	0.00000	2.10462	0.00000

2.00000	0.00000	0.00000	0.00000
3.00000	0.00000	0.00000	0.00000
4.00000	0.00000	0.00000	0.00000
5.00000	0.00000	0.00000	0.00000
6.00000	-1.21730	0.11070	2.43006
7.00000	-15.28270	-2.21533	4.68699
sumFx = -16.500			
sumFy = 1.3323e-15			
sumMz = 7.1171			
-----			







0000e+00  
0000e+00  
0000e+00  
0000e+00  
0000e+00  
2574e+08  
0000e+00  
3270e+08  
3561e+08  
9462e+01  
5325e+08  
5987e+08  
0000e+00  
0360e+09