

## **CHAPTER FIVE**

### **CONCLUSION**

This study used pushover analysis to estimate the seismic capacity of Panti Rapih Hospital in Yogyakarta. It has been extended to include the three dimensional effect of building responses.

The capacity curve which obtained by Etabs nonlinear version 7.20, showed the structure in elastic and inelastic stages. Pushover analysis is not the best solution to solve the analysis and design problems, but pushover analysis is one of the easiest procedures to estimate the seismic capacity of the structure.

Three dimensional models and assigning the pushover hinge at the base column is a quite effective way to estimate the capacity curve.

In chapter four, the seismic capacity of the structure can be estimated. From the capacity curve, Panti Rapih hospital is a stable building. Assigning the shear wall to column was a quite effective way to analyze the pushover curve. From the pushover curve, the structural engineer can determine the maximum seismic demand based on the maximum displacement of the structure.

## **REFERENCES**

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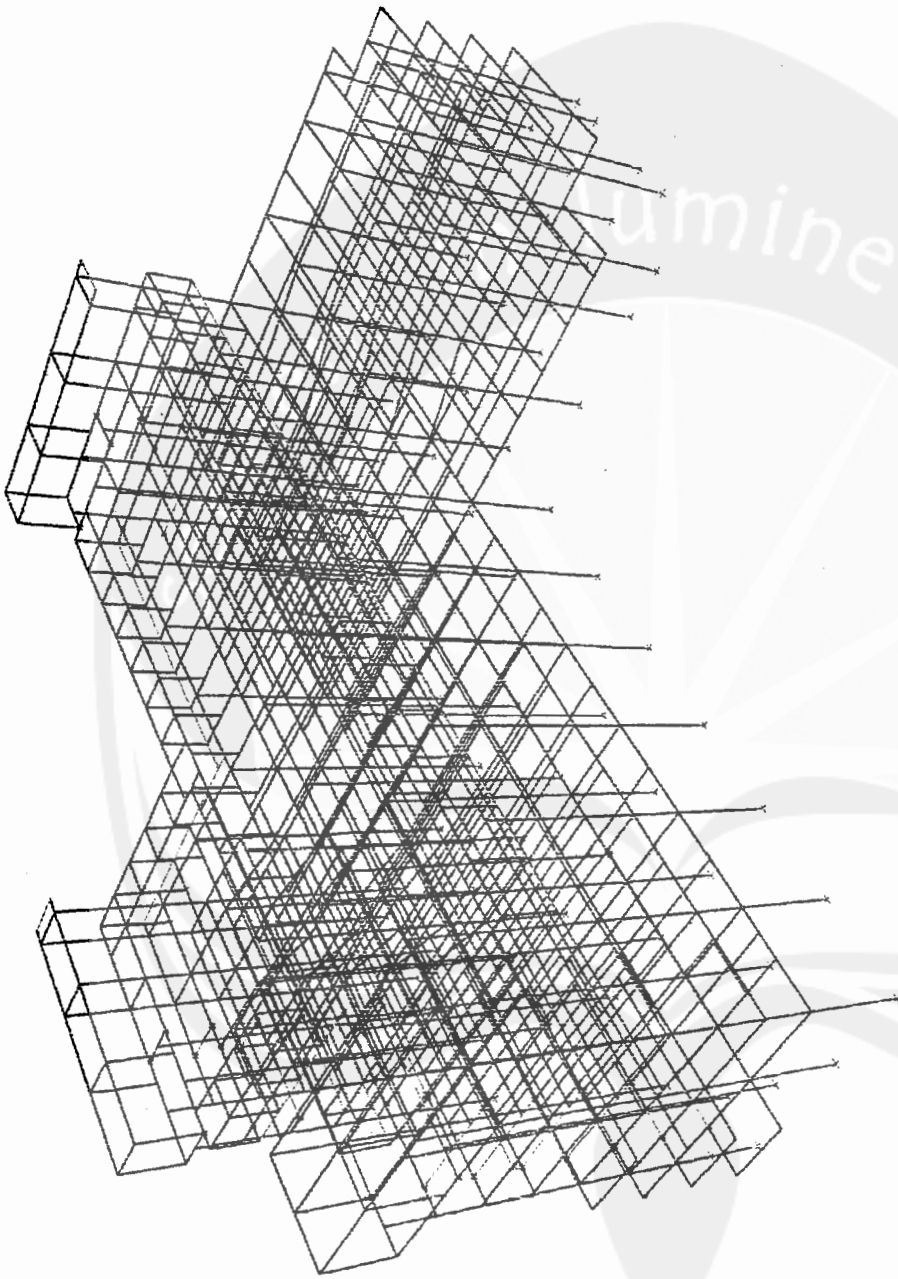
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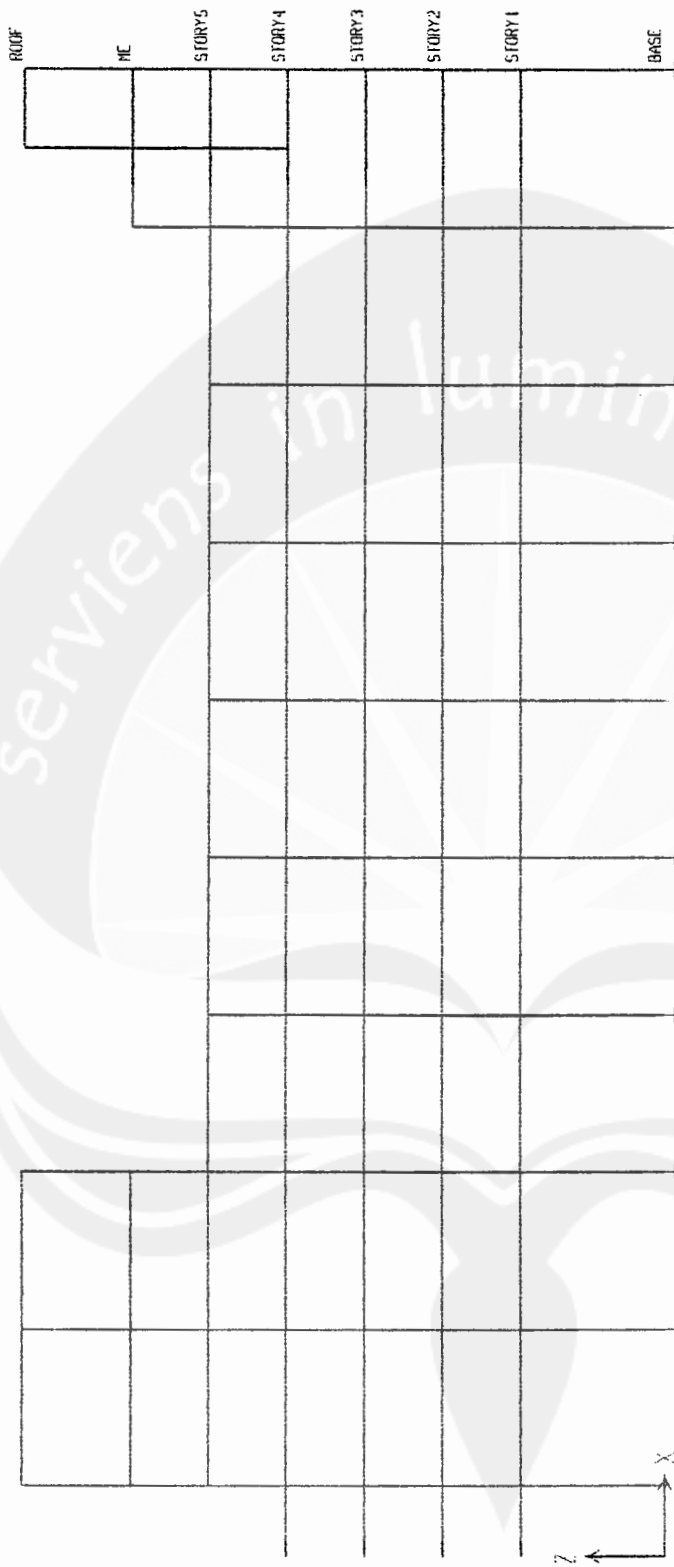
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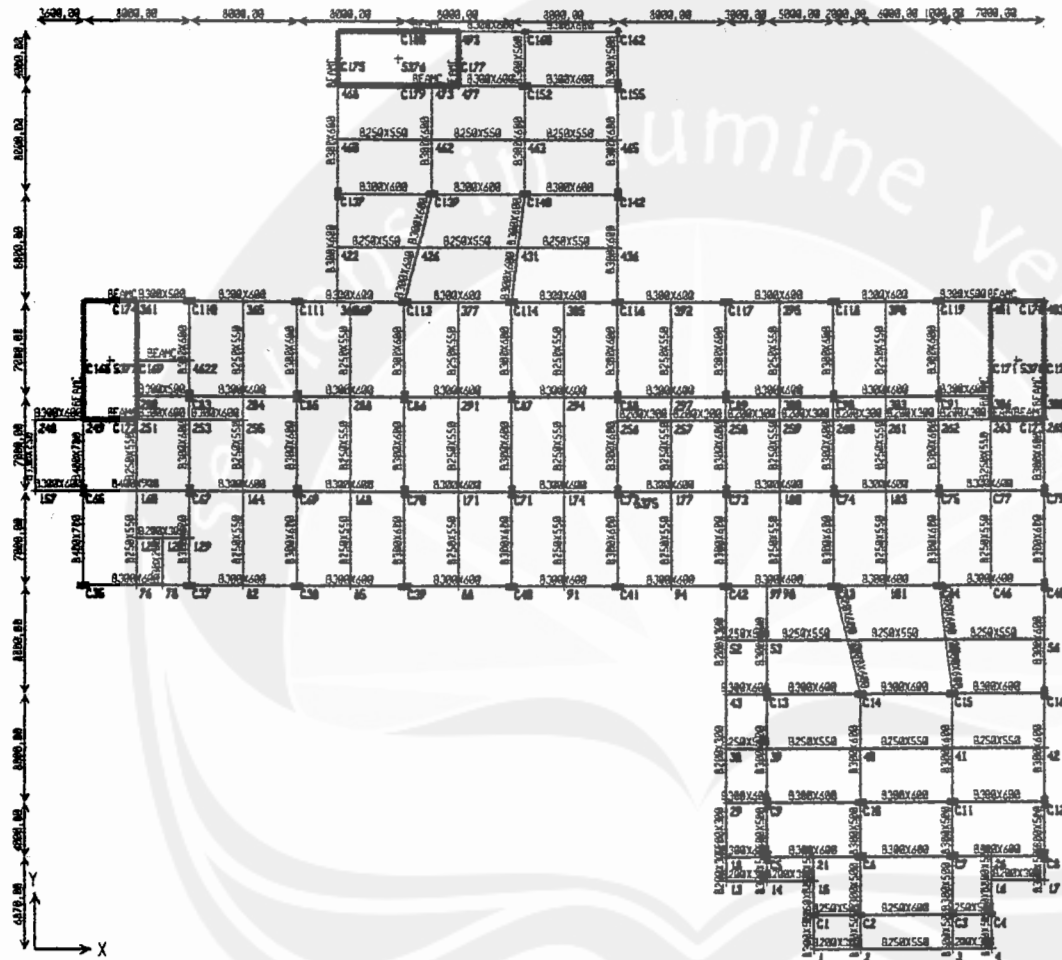


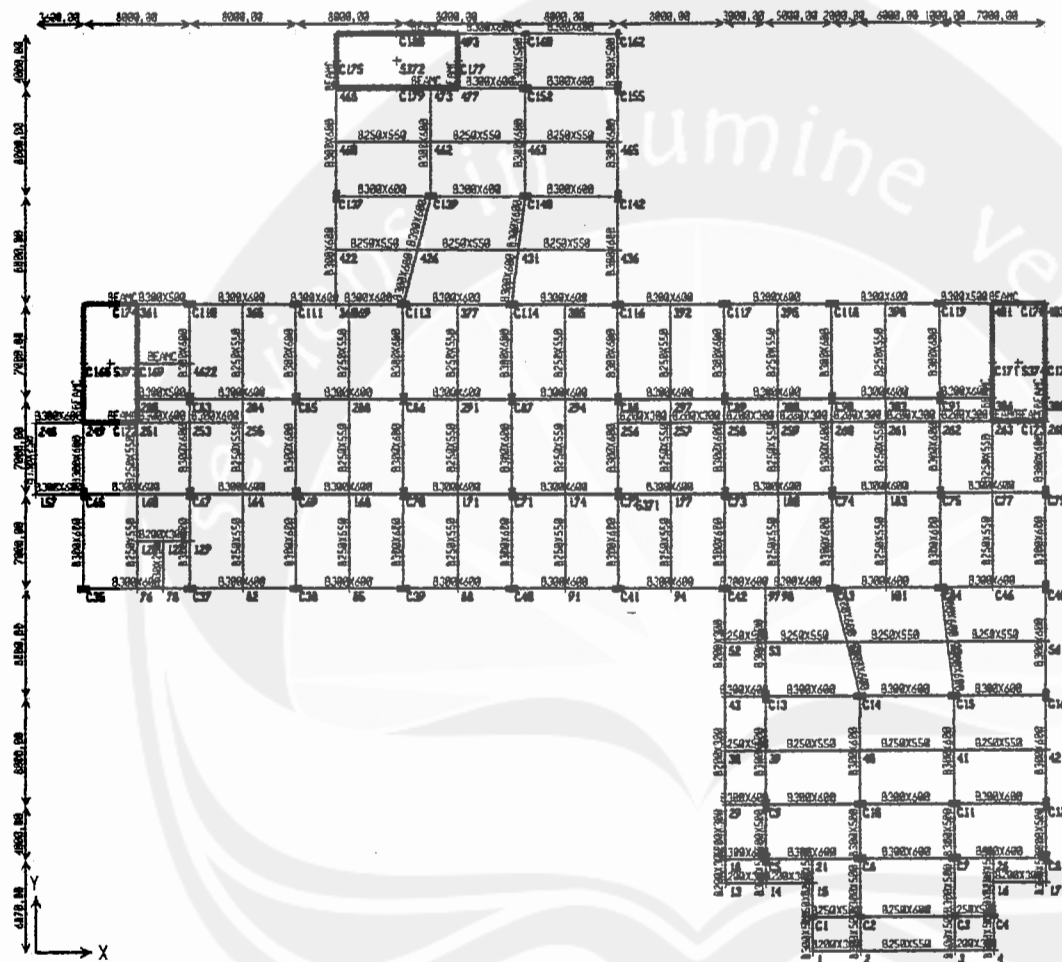


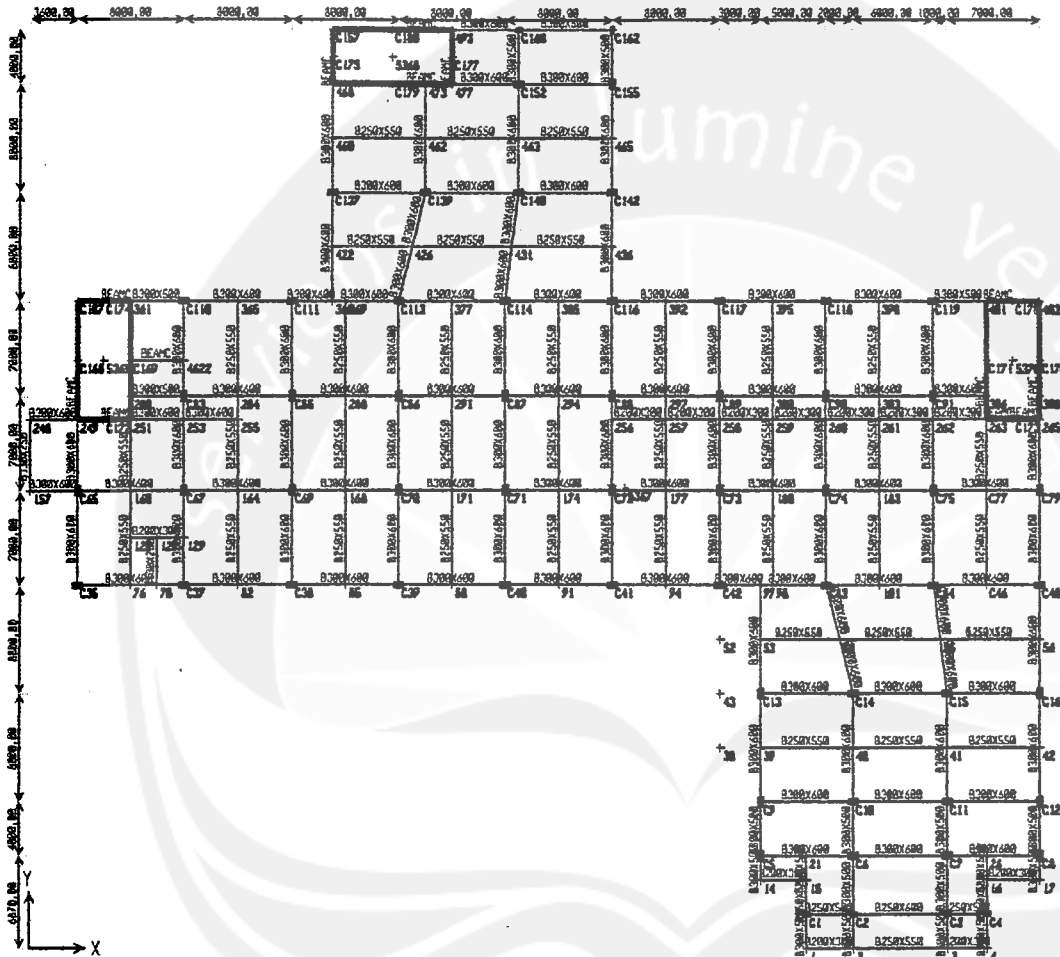
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3-D View - KN-nm Units



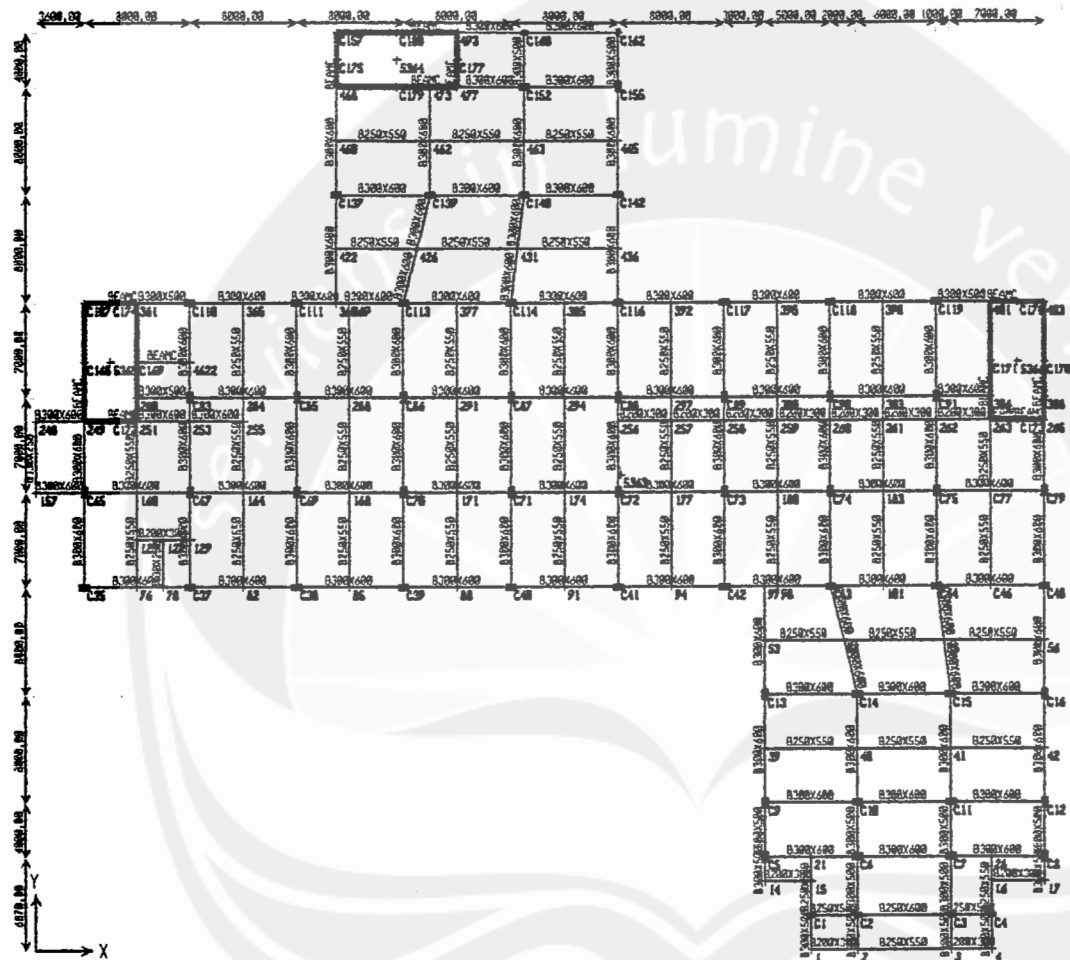
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Elevation View - E - KN-mm Units

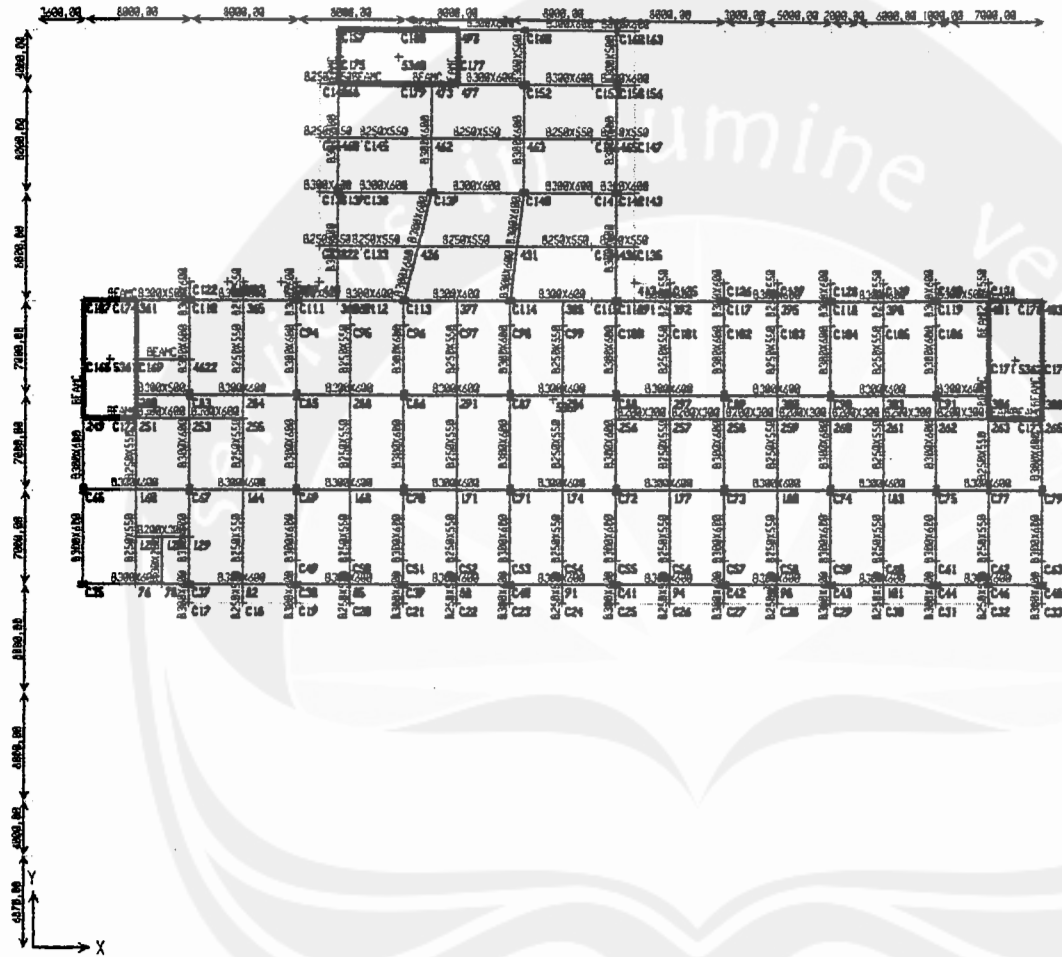


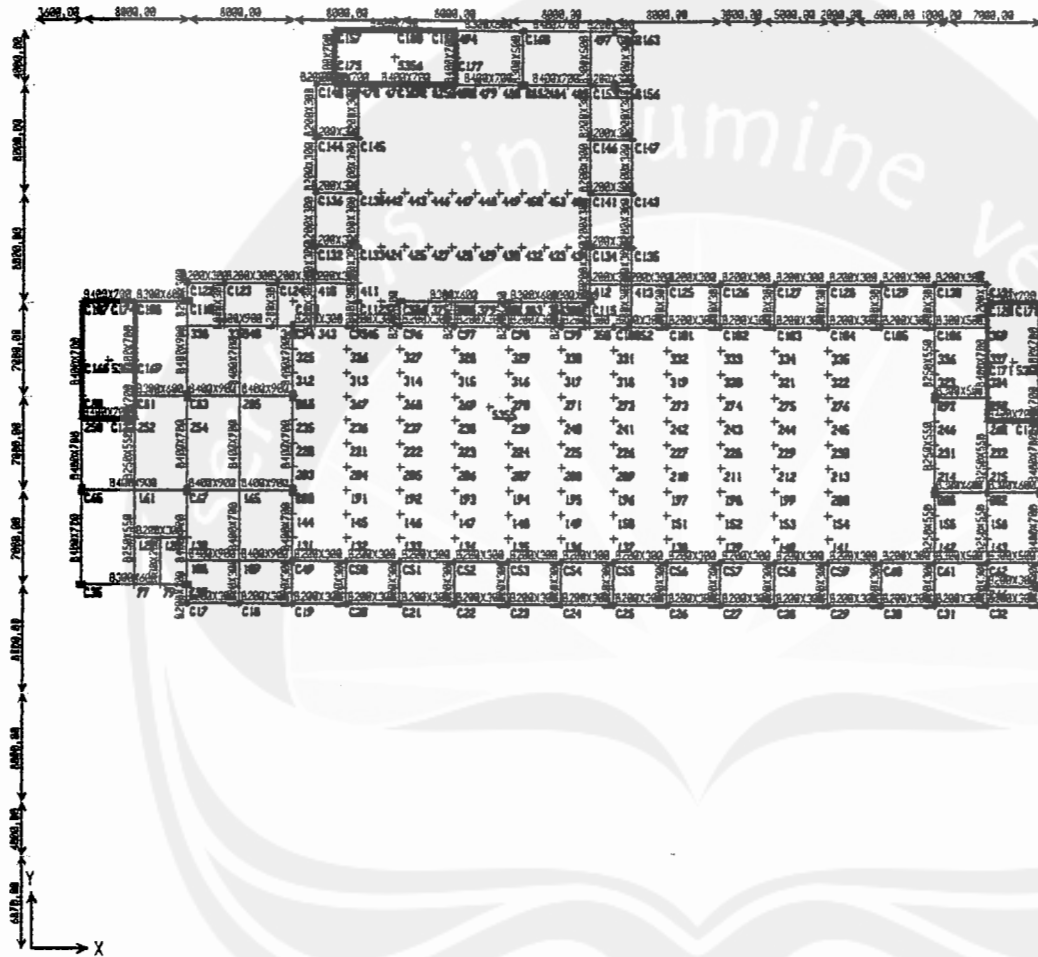


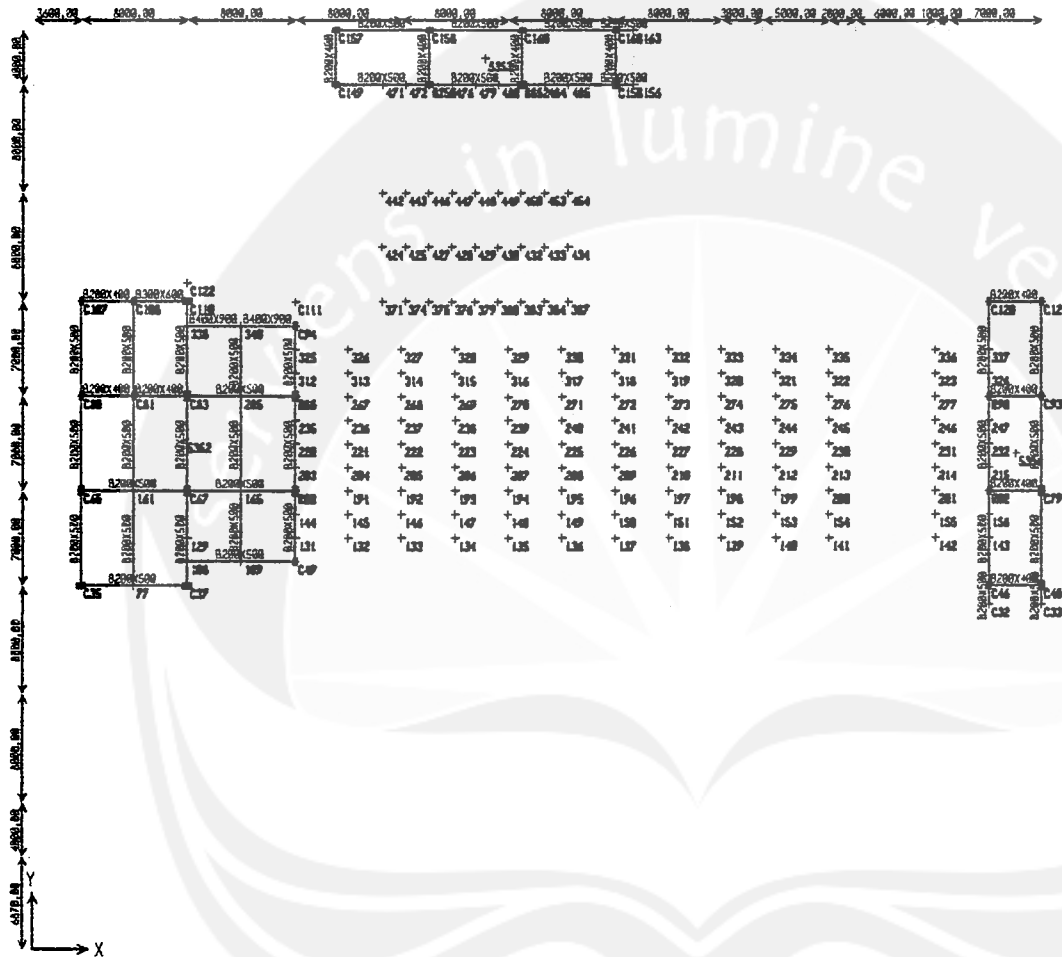












Program ETABS Nonlinear Version 7.200 File:an statis terbaru 1 column baru2.LOG

BEGIN ANALYSIS 2004/08/10 15:22:26

MAXIMUM MEMORY BLOCK SIZE (BYTES) = 15.968 MB

ELEMENT FORMATION 15:22:26

NUMBER OF JOINT ELEMENTS FORMED = 211  
 NUMBER OF SPRING ELEMENTS FORMED = 103  
 NUMBER OF FRAME ELEMENTS FORMED = 2119  
 NUMBER OF SHELL ELEMENTS FORMED = 609  
 NUMBER OF CONSTRAINTS FORMED = 216

EQUATION SOLUTION 15:22:40

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS = 3576  
 APPROXIMATE "EFFECTIVE" BAND WIDTH = 228  
 NUMBER OF EQUATION STORAGE BLOCKS = 1  
 MAXIMUM BLOCK SIZE (8-BYTE TERMS) = 794226  
 SIZE OF STIFFNESS FILE(S) (BYTES) = 6.073 MB  
 NUMBER OF EQUATIONS TO SOLVE = 3576  
 NUMBER OF STATIC LOAD CASES = 5  
 NUMBER OF ACCELERATION LOADS = 6  
 NUMBER OF NONLINEAR DEFORMATION LOADS = 0

JOINT OUTPUT 15:22:47

GLOBAL FORCE BALANCE RELATIVE ERRORS

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD	FX	FY	FZ	MX	MY	MZ
DEAD	1.19E-17	9.07E-18	2.43E-13	3.85E-14	1.10E-13	2.76E-17
LIVE	8.04E-18	1.28E-17	2.39E-13	1.85E-13	1.44E-13	1.43E-16
EX	3.05E-14	5.41E-16	7.58E-15	2.34E-15	1.18E-15	1.17E-13
EY	6.04E-16	9.12E-15	1.38E-14	1.43E-14	1.86E-14	5.88E-14
DUMMY	2.63E-17	6.34E-18	1.55E-13	7.36E-14	1.17E-13	8.40E-17

ELEMENT JOINT - FORCE OUTPUT 15:22:48

NUMBER OF JOINT ELEMENTS SAVED = 211  
 NUMBER OF FRAME ELEMENTS SAVED = 2119  
 NUMBER OF SHELL ELEMENTS SAVED = 609  
 NUMBER OF SPRING ELEMENTS SAVED = 103

ELEMENT OUTPUT 15:22:51

ANALYSIS COMPLETE 2004/08/10 15:22:51

Program ETABS Nonlinear Version 7.200 File:an statis terbaru 1 column baru2.LOG

BEGIN ANALYSIS 2004/08/10 15:26:51

MAXIMUM MEMORY BLOCK SIZE (BYTES) = 15.968 MB

ELEMENT FORMATION 15:26:51

NUMBER OF JOINT ELEMENTS FORMED = 211  
 NUMBER OF SPRING ELEMENTS FORMED = 103

LOAD RE - SOLUTION 15:26:52

NUMBER OF STATIC LOAD CASES = 5

ELEMENT JOINT - FORCE OUTPUT 15:26:53

NUMBER OF JOINT ELEMENTS SAVED = 211  
 NUMBER OF FRAME ELEMENTS SAVED = 2119  
 NUMBER OF SHELL ELEMENTS SAVED = 609  
 NUMBER OF SPRING ELEMENTS SAVED = 103

ANALYSIS COMPLETE

2004/08/10 15:26:56

Program ETABS Nonlinear Version 7.200 File:an statis terbaru 1 column baru2.LOG

NONLINEAR STATIC ANALYSIS 2004/08/15 21:15:25

MAXIMUM MEMORY BLOCK SIZE (BYTES) = 15.968 MB

NONLINEAR STATIC CASE = PUSH2  
CONTINUE FROM PREVIOUS CASE = 0LOAD CONTROL TYPE = CONJUG DISP  
METHOD TO USE WHEN HINGES DROP LOAD = UNLOAD  
TYPE OF GEOMETRIC NONLINEARITY = P-DELTA  
SAVE POSITIVE INCREMENTS ONLY = YESMINIMUM NUMBER OF SAVED STEPS = 10  
MAXIMUM NUMBER OF SAVED STEPS = 800  
MAXIMUM NUMBER OF NULL STEPS = 250  
MAXIMUM NUMBER OF TOTAL STEPS = 800  
MAXIMUM NUMBER OF ITERATIONS PER STEP = 20RELATIVE FORCE CONVERGENCE TOLERANCE = 0.400000  
RELATIVE EVENT TOLERANCE = 0.050000STAGE NUMBER = 1  
ENTIRE STRUCTURE IS ACTIVE = YES  
CHANGES TO ELEMENTS IN STRUCTURE = NONE

STEP 0

STEP 1, INCREMENT = 0.009432, SUM = 0.009432, MAX = 0.009432

Frame 2060, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3

Frame 2085, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Unbalance/tolerance = 0.004996, Iteration 1 converged  
Saved as Output Step 1

STEP 2, INCREMENT = 0.000781, SUM = 0.010213, MAX = 0.010213

Frame 2058, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 21

Unbalance/tolerance = 0.005027, Iteration 1 converged  
Saved as Output Step 2

STEP 3, INCREMENT = 0.000721, SUM = 0.010934, MAX = 0.010934

Frame 2027, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2072, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Unbalance/tolerance = 0.005057, Iteration 1 converged  
Saved as Output Step 2

STEP 4, INCREMENT = 0.000732, SUM = 0.011666, MAX = 0.011666

Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2085, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 48

Unbalance/tolerance = 0.005122, Iteration 1 converged  
Saved as Output Step 2

STEP 5, INCREMENT = .000000, SUM = 0.011666, MAX = 0.011666

Frame 2027, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2058, Hinge 1, Dof PMM: Unloaded  
 Frame 2060, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2072, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2078, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded

STEP 6, INCREMENT = -0.000309, SUM = 0.011356, MAX = 0.011666

Frame 2085, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48

Unbalance/tolerance = 0.005127, Iteration 1 converged  
 Saved as Output Step 3

STEP 7, INCREMENT = .000000, SUM = 0.011356, MAX = 0.011666

Frame 2027, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2058, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2060, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75  
 Frame 2072, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

STEP 8, INCREMENT = 7.03E-07, SUM = 0.011357, MAX = 0.011666

Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2085, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48

Unbalance/tolerance = 0.005127, Iteration 1 converged  
 Saved as Output Step 3

STEP 9, INCREMENT = .000000, SUM = 0.011357, MAX = 0.011666

Frame 2027, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2058, Hinge 1, Dof PMM: Unloaded  
 Frame 2060, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2072, Hinge 1, Dof PMM: Unloaded

Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2078, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded

STEP 10, INCREMENT = -6.87E-05, SUM = 0.011288, MAX = 0.011666

Frame 2085, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005128, Iteration 1 converged  
 Saved as Output Step 3

STEP 11, INCREMENT = 6.07E-05, SUM = 0.011349, MAX = 0.011666

Frame 2027, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2058, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2060, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2072, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Unbalance/tolerance = 0.005128, Iteration 1 converged  
 Saved as Output Step 3

STEP 12, INCREMENT = 0.000327, SUM = 0.011676, MAX = 0.011676

Unbalance/tolerance = 0.005138, Iteration 1 converged  
 Saved as Output Step 3

STEP 13, INCREMENT = 0.000185, SUM = 0.011860, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2060, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 75  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.005141, Iteration 1 converged  
 Saved as Output Step 4

STEP 14, INCREMENT = .000000, SUM = 0.011860, MAX = 0.011860

Frame 2027, Hinge 1, Dof PMM: Unloaded  
 Frame 2028, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2058, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2072, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded



Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2078, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded

STEP 15, INCREMENT = -0.000774, SUM = 0.011087, MAX = 0.011860  
 Frame 2060, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 75  
 Unbalance/tolerance = 0.005170, Iteration 1 converged  
 Saved as Output Step 5

STEP 16, INCREMENT = .000000, SUM = 0.011087, MAX = 0.011860  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

STEP 17, INCREMENT = 4.28E-07, SUM = 0.011087, MAX = 0.011860  
 Frame 2027, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2058, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2060, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 75  
 Frame 2072, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.005170, Iteration 1 converged  
 Saved as Output Step 5

STEP 18, INCREMENT = .000000, SUM = 0.011087, MAX = 0.011860  
 Frame 2027, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2058, Hinge 1, Dof PMM: Unloaded  
 Frame 2072, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2078, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded

STEP 19, INCREMENT = -0.000171, SUM = 0.010916, MAX = 0.011860  
 Frame 2060, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005171, Iteration 1 converged  
 Saved as Output Step 5

STEP 20, INCREMENT = 0.000138, SUM = 0.011054, MAX = 0.011860  
 Frame 2027, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2058, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2072, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.005172, Iteration 1 converged  
 Saved as Output Step 5

STEP 21, INCREMENT = 0.000592, SUM = 0.011645, MAX = 0.011860  
 Frame 2027, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39

Frame 2028, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005207, Iteration 1 converged  
 Saved as Output Step 5

STEP 22, INCREMENT = .000000, SUM = 0.011645, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2058, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2072, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2078, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded

STEP 23, INCREMENT = -0.000161, SUM = 0.011485, MAX = 0.011860

Frame 2027, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39

Unbalance/tolerance = 0.005208, Iteration 1 converged  
 Saved as Output Step 5

STEP 24, INCREMENT = .000000, SUM = 0.011485, MAX = 0.011860

Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2072, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

STEP 25, INCREMENT = 1.39E-06, SUM = 0.011486, MAX = 0.011860

Frame 2027, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
 Frame 2028, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2058, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Unbalance/tolerance = 0.005208, Iteration 1 converged

Saved as Output Step 5

STEP 26, INCREMENT = .000000, SUM = 0.011486, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2058, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2072, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2078, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded

STEP 27, INCREMENT = -3.57E-05, SUM = 0.011451, MAX = 0.011860

Frame 2027, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005208, Iteration 1 converged  
 Saved as Output Step 5

STEP 28, INCREMENT = 3.41E-05, SUM = 0.011485, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2058, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2072, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.005208, Iteration 1 converged  
 Saved as Output Step 5

STEP 29, INCREMENT = 0.000363, SUM = 0.011847, MAX = 0.011860

Frame 2072, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
 Frame 2078, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102

Unbalance/tolerance = 0.005216, Iteration 1 converged  
 Saved as Output Step 5

STEP 30, INCREMENT = .000000, SUM = 0.011847, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded

Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2058, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded

STEP 31, INCREMENT = -0.000285, SUM = 0.011562, MAX = 0.011860

Frame 2078, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102

Unbalance/tolerance = 0.005218, Iteration 1 converged  
 Saved as Output Step 5

STEP 32, INCREMENT = .000000, SUM = 0.011562, MAX = 0.011860

Frame 2078, Hinge 1, Dof PMM: Unloaded

STEP 33, INCREMENT = -0.000206, SUM = 0.011356, MAX = 0.011860

Frame 2072, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120

Unbalance/tolerance = 0.005219, Iteration 1 converged  
 Saved as Output Step 5

STEP 34, INCREMENT = .000000, SUM = 0.011356, MAX = 0.011860

Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1

STEP 35, INCREMENT = 1.42E-06, SUM = 0.011358, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2058, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2072, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120

Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.005219, Iteration 1 converged  
 Saved as Output Step 5

STEP 36, INCREMENT = .000000, SUM = 0.011358, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Unloaded

Frame 2032, Hinge 1, Dof PMM: Unloaded

Frame 2038, Hinge 1, Dof PMM: Unloaded

Frame 2042, Hinge 1, Dof PMM: Unloaded

Frame 2043, Hinge 1, Dof PMM: Unloaded

Frame 2044, Hinge 1, Dof PMM: Unloaded

Frame 2058, Hinge 1, Dof PMM: Unloaded

Frame 2066, Hinge 1, Dof PMM: Unloaded

Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2078, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded

STEP 37, INCREMENT = -0.000109, SUM = 0.011249, MAX = 0.011860

Frame 2072, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005219, Iteration 1 converged  
 Saved as Output Step 5

STEP 38, INCREMENT = 9.09E-05, SUM = 0.011340, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2058, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.005219, Iteration 1 converged  
 Saved as Output Step 5

STEP 39, INCREMENT = 0.000238, SUM = 0.011578, MAX = 0.011860

Frame 2058, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102

Unbalance/tolerance = 0.005219, Iteration 1 converged  
 Saved as Output Step 5

STEP 40, INCREMENT = .000000, SUM = 0.011578, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2078, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded

STEP 41, INCREMENT = -0.000247, SUM = 0.011331, MAX = 0.011860

Frame 2058, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102

Unbalance/tolerance = 0.005221, Iteration 1 converged  
 Saved as Output Step 5

STEP 42, INCREMENT = 9.05E-07, SUM = 0.011332, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2058, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005221, Iteration 1 converged  
 Saved as Output Step 5

STEP 43, INCREMENT = .000000, SUM = 0.011332, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 120

Frame 2032, Hinge 1, Dof PMM: Unloaded

Frame 2038, Hinge 1, Dof PMM: Unloaded

Frame 2042, Hinge 1, Dof PMM: Unloaded

Frame 2043, Hinge 1, Dof PMM: Unloaded

Frame 2044, Hinge 1, Dof PMM: Unloaded

Frame 2066, Hinge 1, Dof PMM: Unloaded

Frame 2071, Hinge 1, Dof PMM: Unloaded

Frame 2073, Hinge 1, Dof PMM: Unloaded

Frame 2074, Hinge 1, Dof PMM: Unloaded

Frame 2078, Hinge 1, Dof PMM: Unloaded

Frame 2080, Hinge 1, Dof PMM: Unloaded

STEP 44, INCREMENT = .000000, SUM = 0.011332, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Unloaded

STEP 45, INCREMENT = -5.48E-05, SUM = 0.011277, MAX = 0.011860

Frame 2058, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005221, Iteration 1 converged  
 Saved as Output Step 5

STEP 46, INCREMENT = 5.48E-05, SUM = 0.011332, MAX = 0.011860

Frame 2028, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005221, Iteration 1 converged  
 Saved as Output Step 5  
 STEP 47, INCREMENT = 0.000538, SUM = 0.011870, MAX = 0.011870  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 57  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Unbalance/tolerance = 0.005240, Iteration 1 converged  
 Saved as Output Step 5  
 STEP 48, INCREMENT = 0.000432, SUM = 0.012303, MAX = 0.012303  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Unbalance/tolerance = 0.005255, Iteration 1 converged  
 Saved as Output Step 6  
 STEP 49, INCREMENT = 0.000219, SUM = 0.012521, MAX = 0.012521  
 Frame 2028, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2063, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.005264, Iteration 1 converged  
 Saved as Output Step 6  
 STEP 50, INCREMENT = .000000, SUM = 0.012521, MAX = 0.012521  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2063, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded

Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2078, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded

STEP 51, INCREMENT = -0.000179, SUM = 0.012342, MAX = 0.012521

Frame 2028, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120

Unbalance/tolerance = 0.005265, Iteration 1 converged  
 Saved as Output Step 7

STEP 52, INCREMENT = .000000, SUM = 0.012342, MAX = 0.012521

Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

STEP 53, INCREMENT = 1.80E-06, SUM = 0.012344, MAX = 0.012521

Frame 2028, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120

Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2063, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2078, Hinge 1, Dof PMM: Yielded, Segment +CD, Facet 48

Unbalance/tolerance = 0.005265, Iteration 1 converged



Saved as Output Step 7

STEP 54, INCREMENT = .000000, SUM = 0.012344, MAX = 0.012521

Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2063, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded

STEP 55, INCREMENT = -3.98E-05, SUM = 0.012304, MAX = 0.012521

Frame 2028, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005265, Iteration 1 converged  
 Saved as Output Step 7

STEP 56, INCREMENT = -0.000251, SUM = 0.012053, MAX = 0.012521

Frame 2078, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48

Unbalance/tolerance = 0.005266, Iteration 1 converged  
 Saved as Output Step 7

STEP 57, INCREMENT = 1.68E-06, SUM = 0.012055, MAX = 0.012521

Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2063, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2078, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Unbalance/tolerance = 0.005266, Iteration 1 converged  
 Saved as Output Step 7

STEP 58, INCREMENT = .000000, SUM = 0.012055, MAX = 0.012521

Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2063, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2080, Hinge 1, Dof PMM: Unloaded

Frame 2081, Hinge 1, Dof PMM: Unloaded

STEP 59, INCREMENT = -0.000128, SUM = 0.011927, MAX = 0.012521

Frame 2078, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005266, Iteration 1 converged  
Saved as Output Step 7

STEP 60, INCREMENT = 7.47E-05, SUM = 0.012002, MAX = 0.012521

Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2063, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 93

Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2080, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Unbalance/tolerance = 0.005266, Iteration 1 converged  
Saved as Output Step 7

STEP 61, INCREMENT = 0.000530, SUM = 0.012531, MAX = 0.012531

Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005270, Iteration 1 converged  
Saved as Output Step 7

STEP 62, INCREMENT = 0.000584, SUM = 0.013115, MAX = 0.013115

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2080, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 30

Unbalance/tolerance = 0.005273, Iteration 1 converged  
Saved as Output Step 8

STEP 63, INCREMENT = .000000, SUM = 0.013115, MAX = 0.013115

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2063, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded

STEP 64, INCREMENT = -0.000231, SUM = 0.012884, MAX = 0.013115

Frame 2080, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 30

Unbalance/tolerance = 0.005273, Iteration 1 converged  
 Saved as Output Step 9

STEP 65, INCREMENT = .000000, SUM = 0.012884, MAX = 0.013115

Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2063, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
  
 STEP 66, INCREMENT = 1.45E-06, SUM = 0.012886, MAX = 0.013115  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2080, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 30  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.005273, Iteration 1 converged  
 Saved as Output Step 9

STEP 67, INCREMENT = .000000, SUM = 0.012886, MAX = 0.013115  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2043, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2063, Hinge 1, Dof PMM: Unloaded

Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded

STEP 68, INCREMENT = -5.13E-05, SUM = 0.012834, MAX = 0.013115

Frame 2080, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005273, Iteration 1 converged  
 Saved as Output Step 9

STEP 69, INCREMENT = 2.91E-05, SUM = 0.012863, MAX = 0.013115

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2043, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 129  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2063, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

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Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120
Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48
Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111
Unbalance/tolerance = 0.005273, Iteration 1 converged
Saved as Output Step 9
STEP 70, INCREMENT = 0.000262, SUM = 0.013125, MAX = 0.013125
Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2043, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102
Unbalance/tolerance = 0.005273, Iteration 1 converged
Saved as Output Step 9
STEP 71, INCREMENT = .000000, SUM = 0.013125, MAX = 0.013125
Frame 2029, Hinge 1, Dof PMM: Unloaded
Frame 2030, Hinge 1, Dof PMM: Unloaded
Frame 2031, Hinge 1, Dof PMM: Unloaded
Frame 2032, Hinge 1, Dof PMM: Unloaded
Frame 2033, Hinge 1, Dof PMM: Unloaded
Frame 2034, Hinge 1, Dof PMM: Unloaded
Frame 2035, Hinge 1, Dof PMM: Unloaded
Frame 2036, Hinge 1, Dof PMM: Unloaded
Frame 2037, Hinge 1, Dof PMM: Unloaded
Frame 2038, Hinge 1, Dof PMM: Unloaded
Frame 2041, Hinge 1, Dof PMM: Unloaded
Frame 2042, Hinge 1, Dof PMM: Unloaded
Frame 2044, Hinge 1, Dof PMM: Unloaded
Frame 2045, Hinge 1, Dof PMM: Unloaded
Frame 2059, Hinge 1, Dof PMM: Unloaded
Frame 2061, Hinge 1, Dof PMM: Unloaded
Frame 2062, Hinge 1, Dof PMM: Unloaded
Frame 2063, Hinge 1, Dof PMM: Unloaded
Frame 2064, Hinge 1, Dof PMM: Unloaded
Frame 2065, Hinge 1, Dof PMM: Unloaded
Frame 2066, Hinge 1, Dof PMM: Unloaded
Frame 2067, Hinge 1, Dof PMM: Unloaded
Frame 2068, Hinge 1, Dof PMM: Unloaded
Frame 2070, Hinge 1, Dof PMM: Unloaded
Frame 2071, Hinge 1, Dof PMM: Unloaded
Frame 2073, Hinge 1, Dof PMM: Unloaded
Frame 2074, Hinge 1, Dof PMM: Unloaded
Frame 2075, Hinge 1, Dof PMM: Unloaded
Frame 2076, Hinge 1, Dof PMM: Unloaded
Frame 2079, Hinge 1, Dof PMM: Unloaded
Frame 2081, Hinge 1, Dof PMM: Unloaded

STEP 72, INCREMENT = -0.000272, SUM = 0.012853, MAX = 0.013125
Frame 2043, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102
Unbalance/tolerance = 0.005273, Iteration 1 converged
Saved as Output Step 10
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STEP 73, INCREMENT = 1.53E-06, SUM = 0.012855, MAX = 0.013125

Frame	2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	30
Frame	2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	48
Frame	2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	111
Frame	2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	39
Frame	2043, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet	102
Frame	2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	120
Frame	2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	120
Frame	2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	120
Frame	2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2063, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	30
Frame	2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	102
Frame	2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	39
Frame	2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	39
Frame	2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	30
Frame	2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	120
Frame	2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	120
Frame	2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	120
Frame	2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1
Frame	2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet	1

Unbalance/tolerance = 0.005273, Iteration 1 converged  
Saved as Output Step 10

STEP 74, INCREMENT = .000000, SUM = 0.012855, MAX = 0.013125

Frame	2029, Hinge 1, Dof PMM: Unloaded	
Frame	2030, Hinge 1, Dof PMM: Unloaded	
Frame	2031, Hinge 1, Dof PMM: Unloaded	
Frame	2032, Hinge 1, Dof PMM: Unloaded	
Frame	2033, Hinge 1, Dof PMM: Unloaded	
Frame	2034, Hinge 1, Dof PMM: Unloaded	
Frame	2035, Hinge 1, Dof PMM: Unloaded	
Frame	2036, Hinge 1, Dof PMM: Unloaded	
Frame	2037, Hinge 1, Dof PMM: Unloaded	
Frame	2038, Hinge 1, Dof PMM: Unloaded	



Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2063, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2073, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded

STEP 75, INCREMENT = -6.04E-05, SUM = 0.012794, MAX = 0.013125

Frame 2043, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005273, Iteration 1 converged  
 Saved as Output Step 10

STEP 76, INCREMENT = 4.31E-05, SUM = 0.012837, MAX = 0.013125

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2063, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2073, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005273, Iteration 1 converged  
 Saved as Output Step 10  
 STEP 77, INCREMENT = 0.000298, SUM = 0.013135, MAX = 0.013135  
 Unbalance/tolerance = 0.005270, Iteration 1 converged  
 Saved as Output Step 10  
 STEP 78, INCREMENT = 0.000216, SUM = 0.013351, MAX = 0.013351  
 Frame 2073, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
 Unbalance/tolerance = 0.005269, Iteration 1 converged  
 Saved as Output Step 11  
 STEP 79, INCREMENT = .000000, SUM = 0.013351, MAX = 0.013351  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2034, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2063, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded

Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded

STEP 80, INCREMENT = -0.000443, SUM = 0.012908, MAX = 0.013351

Frame 2073, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120

Unbalance/tolerance = 0.005269, Iteration 1 converged  
 Saved as Output Step 12

STEP 81, INCREMENT = .000000, SUM = 0.012908, MAX = 0.013351

Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2063, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

STEP 82, INCREMENT = 1.76E-06, SUM = 0.012910, MAX = 0.013351

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2073, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005269, Iteration 1 converged  
 Saved as Output Step 12

STEP 83, INCREMENT = .000000, SUM = 0.012910, MAX = 0.013351

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2034, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 30  
 Frame 2063, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 111  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
  
 STEP 84, INCREMENT = .000000, SUM = 0.012910, MAX = 0.013351  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
  
 STEP 85, INCREMENT = -9.84E-05, SUM = 0.012812, MAX = 0.013351  
 Frame 2073, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005269, Iteration 1 converged  
 Saved as Output Step 12  
  
 STEP 86, INCREMENT = 5.72E-05, SUM = 0.012869, MAX = 0.013351  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2063, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005269, Iteration 1 converged  
 Saved as Output Step 12

STEP 87, INCREMENT = 0.000493, SUM = 0.013361, MAX = 0.013361

Frame 2063, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 21

Unbalance/tolerance = 0.005281, Iteration 1 converged  
 Saved as Output Step 12

STEP 88, INCREMENT = .000000, SUM = 0.013361, MAX = 0.013361

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2034, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded

Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 89, INCREMENT = -0.000425, SUM = 0.012936, MAX = 0.013361

Frame 2063, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102

Unbalance/tolerance = 0.005280, Iteration 1 converged  
 Saved as Output Step 13

STEP 90, INCREMENT = .000000, SUM = 0.012936, MAX = 0.013361

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

STEP 91, INCREMENT = 1.45E-06, SUM = 0.012937, MAX = 0.013361

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2063, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005280, Iteration 1 converged  
 Saved as Output Step 13

STEP 92, INCREMENT = .000000, SUM = 0.012937, MAX = 0.013361

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2032, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2034, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 93, INCREMENT = -9.44E-05, SUM = 0.012843, MAX = 0.013361

Frame 2063, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005280, Iteration 1 converged  
 Saved as Output Step 13

STEP 94, INCREMENT = 5.18E-05, SUM = 0.012895, MAX = 0.013361

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2032, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 21

Unbalance/tolerance = 0.005280, Iteration 1 converged  
 Saved as Output Step 13

STEP 95, INCREMENT = 0.000477, SUM = 0.013371, MAX = 0.013371

Frame 2032, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005297, Iteration 1 converged  
 Saved as Output Step 13

STEP 96, INCREMENT = .000000, SUM = 0.013371, MAX = 0.013371

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2034, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded



Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 97, INCREMENT = -0.000262, SUM = 0.013110, MAX = 0.013371

Frame 2032, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120

Unbalance/tolerance = 0.005296, Iteration 1 converged  
 Saved as Output Step 14

STEP 98, INCREMENT = .000000, SUM = 0.013110, MAX = 0.013371

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

STEP 99, INCREMENT = 1.46E-06, SUM = 0.013111, MAX = 0.013371

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2032, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005296, Iteration 1 converged  
 Saved as Output Step 14

STEP 100, INCREMENT = .000000, SUM = 0.013111, MAX = 0.013371

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2034, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2059, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 111  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 101, INCREMENT = .000000, SUM = 0.013111, MAX = 0.013371

Frame 2081, Hinge 1, Dof PMM: Unloaded

STEP 102, INCREMENT = -5.82E-05, SUM = 0.013053, MAX = 0.013371

Frame 2032, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005296, Iteration 1 converged  
Saved as Output Step 14

STEP 103, INCREMENT = 3.58E-05, SUM = 0.013089, MAX = 0.013371

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005296, Iteration 1 converged  
Saved as Output Step 14

STEP 104, INCREMENT = 0.000258, SUM = 0.013347, MAX = 0.013371

Frame 2036, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 30  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2059, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 30

Unbalance/tolerance = 0.005304, Iteration 1 converged  
Saved as Output Step 14

STEP 105, INCREMENT = .000000, SUM = 0.013347, MAX = 0.013371

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded

Frame 2034, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 106, INCREMENT = -7.66E-05, SUM = 0.013270, MAX = 0.013371

Frame 2059, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 30

Unbalance/tolerance = 0.005304, Iteration 1 converged  
 Saved as Output Step 14

STEP 107, INCREMENT = .000000, SUM = 0.013270, MAX = 0.013371

Frame 2059, Hinge 1, Dof PMM: Unloaded

STEP 108, INCREMENT = -0.000123, SUM = 0.013147, MAX = 0.013371

Frame 2036, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 30

Unbalance/tolerance = 0.005304, Iteration 1 converged  
 Saved as Output Step 14

STEP 109, INCREMENT = .000000, SUM = 0.013147, MAX = 0.013371

Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +CD, Facet 102

Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

STEP 110, INCREMENT = .000000, SUM = 0.013147, MAX = 0.013371

Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2036, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 111, INCREMENT =  $-6.40E-05$ , SUM = 0.013083, MAX = 0.013371

Frame 2059, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102

Unbalance/tolerance = 0.005305, Iteration 1 converged  
 Saved as Output Step 14

STEP 112, INCREMENT = .000000, SUM = 0.013083, MAX = 0.013371

Frame 2036, Hinge 1, Dof PMM: Yielded, Segment +CD, Facet 102

STEP 113, INCREMENT = .000000, SUM = 0.013083, MAX = 0.013371

Frame 2059, Hinge 1, Dof PMM: Unloaded

STEP 114, INCREMENT =  $-6.09E-05$ , SUM = 0.013023, MAX = 0.013371

Frame 2036, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102

Unbalance/tolerance = 0.005305, Iteration 1 converged  
 Saved as Output Step 14

STEP 115, INCREMENT =  $1.09E-06$ , SUM = 0.013024, MAX = 0.013371

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2036, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +CD, Facet 102

Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Unbalance/tolerance = 0.005305, Iteration 1 converged  
 Saved as Output Step 14

STEP 116, INCREMENT = .000000, SUM = 0.013024, MAX = 0.013371

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2034, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 117, INCREMENT = -2.53E-05, SUM = 0.012998, MAX = 0.013371

Frame 2059, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102

Unbalance/tolerance = 0.005305, Iteration 1 converged  
 Saved as Output Step 14

STEP 118, INCREMENT = .000000, SUM = 0.012998, MAX = 0.013371

Frame 2059, Hinge 1, Dof PMM: Unloaded

STEP 119, INCREMENT = -3.25E-05, SUM = 0.012966, MAX = 0.013371

Frame 2036, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005305, Iteration 1 converged  
Saved as Output Step 14

STEP 120, INCREMENT = 3.25E-05, SUM = 0.012998, MAX = 0.013371

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2059, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 102  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Unbalance/tolerance = 0.005305, Iteration 1 converged  
Saved as Output Step 14

STEP 121, INCREMENT = 3.45E-06, SUM = 0.013002, MAX = 0.013371

Frame 2059, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102

Unbalance/tolerance = 0.005305, Iteration 1 converged  
Saved as Output Step 14

STEP 122, INCREMENT = .000000, SUM = 0.013002, MAX = 0.013371

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2030, Hinge 1, Dof PMM: Unloaded

Frame 2031, Hinge 1, Dof PMM: Unloaded

Frame 2033, Hinge 1, Dof PMM: Unloaded

Frame 2034, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 48

Frame 2035, Hinge 1, Dof PMM: Unloaded

Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2071, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 123, INCREMENT = .000000, SUM = 0.013002, MAX = 0.013371  
 Frame 2034, Hinge 1, Dof PMM: Unloaded

STEP 124, INCREMENT = -4.58E-05, SUM = 0.012956, MAX = 0.013371  
 Frame 2059, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005305, Iteration 1 converged  
 Saved as Output Step 14

STEP 125, INCREMENT = 4.08E-05, SUM = 0.012997, MAX = 0.013371  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30



Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2071, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Unbalance/tolerance = 0.005305, Iteration 1 converged  
 Saved as Output Step 14  
 STEP 126, INCREMENT = 0.000385, SUM = 0.013381, MAX = 0.013381  
 Frame 2071, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Unbalance/tolerance = 0.005304, Iteration 1 converged  
 Saved as Output Step 14  
 STEP 127, INCREMENT = .000000, SUM = 0.013381, MAX = 0.013381  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2034, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded

Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 128, INCREMENT = -0.000228, SUM = 0.013153, MAX = 0.013381

Frame 2071, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39

Unbalance/tolerance = 0.005306, Iteration 1 converged  
 Saved as Output Step 15

STEP 129, INCREMENT = .000000, SUM = 0.013153, MAX = 0.013381

Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

STEP 130, INCREMENT = 1.46E-06, SUM = 0.013154, MAX = 0.013381

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2071, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39

Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Unbalance/tolerance = 0.005306, Iteration 1 converged  
 Saved as Output Step 15

STEP 131, INCREMENT = .000000, SUM = 0.013154, MAX = 0.013381

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2030, Hinge 1, Dof PMM: Unloaded

Frame 2031, Hinge 1, Dof PMM: Unloaded

Frame 2033, Hinge 1, Dof PMM: Unloaded

Frame 2034, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 111

Frame 2035, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 111  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2051, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 132, INCREMENT = .000000, SUM = 0.013154, MAX = 0.013381  
 Frame 2034, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded

STEP 133, INCREMENT = -5.07E-05, SUM = 0.013104, MAX = 0.013381  
 Frame 2071, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005306, Iteration 1 converged  
 Saved as output Step 15

STEP 134, INCREMENT = 3.69E-05, SUM = 0.013141, MAX = 0.013381  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2034, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Unbalance/tolerance = 0.005306, Iteration 1 converged  
 Saved as Output Step 15  
 STEP 135, INCREMENT = 0.000251, SUM = 0.013391, MAX = 0.013391  
 Unbalance/tolerance = 0.005306, Iteration 1 converged  
 Saved as Output Step 15  
 STEP 136, INCREMENT = 0.001214, SUM = 0.014606, MAX = 0.014606  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 57  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Unbalance/tolerance = 0.005310, Iteration 1 converged  
 Saved as Output Step 16  
 STEP 137, INCREMENT = 0.001791, SUM = 0.016397, MAX = 0.016397  
 Frame 2034, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 111  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.005316, Iteration 1 converged  
 Saved as Output Step 16  
 STEP 138, INCREMENT = .000000, SUM = 0.016397, MAX = 0.016397  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded

Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 139, INCREMENT = -0.000149, SUM = 0.016248, MAX = 0.016397

Frame 2034, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 111

Unbalance/tolerance = 0.005316, Iteration 1 converged  
 Saved as Output Step 17

STEP 140, INCREMENT = .000000, SUM = 0.016248, MAX = 0.016397

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

STEP 141, INCREMENT = 1.68E-06, SUM = 0.016250, MAX = 0.016397

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2034, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 111  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.005316, Iteration 1 converged  
 Saved as Output Step 17

STEP 142, INCREMENT = .000000, SUM = 0.016250, MAX = 0.016397

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2079, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 143, INCREMENT = -3.31E-05, SUM = 0.016217, MAX = 0.016397

Frame 2034, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005316, Iteration 1 converged  
 Saved as Output Step 17

STEP 144, INCREMENT = .000000, SUM = 0.016217, MAX = 0.016397  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

STEP 145, INCREMENT = 1.74E-05, SUM = 0.016234, MAX = 0.016397

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2079, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.005316, Iteration 1 converged  
 Saved as Output Step 17

STEP 146, INCREMENT = 0.000173, SUM = 0.016407, MAX = 0.016407

Frame 2074, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 48  
 Frame 2079, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 30

Unbalance/tolerance = 0.005317, Iteration 1 converged  
 Saved as Output Step 17

STEP 147, INCREMENT = .000000, SUM = 0.016407, MAX = 0.016407

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded

Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 148, INCREMENT = -0.000145, SUM = 0.016262, MAX = 0.016407

Frame 2074, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48

Unbalance/tolerance = 0.005318, Iteration 1 converged  
 Saved as Output Step 18

STEP 149, INCREMENT = .000000, SUM = 0.016262, MAX = 0.016407

Frame 2074, Hinge 1, Dof PMM: Unloaded

STEP 150, INCREMENT = -0.000152, SUM = 0.016110, MAX = 0.016407

Frame 2079, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 30

Unbalance/tolerance = 0.005318, Iteration 1 converged  
 Saved as Output Step 18

STEP 151, INCREMENT = .000000, SUM = 0.016110, MAX = 0.016407

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1

STEP 152, INCREMENT = 1.67E-06, SUM = 0.016111, MAX = 0.016407

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75



Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2079, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 30  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.005318, Iteration 1 converged  
 Saved as Output Step 18

STEP 153, INCREMENT = .000000, SUM = 0.016111, MAX = 0.016407

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 #Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2044, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded

Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 154, INCREMENT = -6.60E-05, SUM = 0.016045, MAX = 0.016407

Frame 2079, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005318, Iteration 1 converged  
 Saved as Output Step 18

STEP 155, INCREMENT = 2.77E-05, SUM = 0.016073, MAX = 0.016407

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.005318, Iteration 1 converged  
 Saved as Output Step 18

STEP 156, INCREMENT = 0.000344, SUM = 0.016417, MAX = 0.016417

Frame 2044, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102

Unbalance/tolerance = 0.005320, Iteration 1 converged  
Saved as Output Step 18

STEP 157, INCREMENT = .000000, SUM = 0.016417, MAX = 0.016417

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2030, Hinge 1, Dof PMM: Unloaded

Frame 2031, Hinge 1, Dof PMM: Unloaded

Frame 2033, Hinge 1, Dof PMM: Unloaded

Frame 2035, Hinge 1, Dof PMM: Unloaded

Frame 2037, Hinge 1, Dof PMM: Unloaded

Frame 2038, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded

Frame 2041, Hinge 1, Dof PMM: Unloaded

Frame 2042, Hinge 1, Dof PMM: Unloaded

Frame 2045, Hinge 1, Dof PMM: Unloaded

Frame 2047, Hinge 1, Dof PMM: Unloaded

Frame 2048, Hinge 1, Dof PMM: Unloaded

Frame 2061, Hinge 1, Dof PMM: Unloaded

Frame 2062, Hinge 1, Dof PMM: Unloaded

Frame 2064, Hinge 1, Dof PMM: Unloaded

Frame 2065, Hinge 1, Dof PMM: Unloaded

Frame 2066, Hinge 1, Dof PMM: Unloaded

Frame 2067, Hinge 1, Dof PMM: Unloaded

Frame 2068, Hinge 1, Dof PMM: Unloaded

Frame 2069, Hinge 1, Dof PMM: Unloaded

Frame 2070, Hinge 1, Dof PMM: Unloaded

Frame 2074, Hinge 1, Dof PMM: Unloaded

Frame 2075, Hinge 1, Dof PMM: Unloaded

Frame 2076, Hinge 1, Dof PMM: Unloaded

Frame 2081, Hinge 1, Dof PMM: Unloaded

Frame 2082, Hinge 1, Dof PMM: Unloaded

Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 158, INCREMENT = -0.000381, SUM = 0.016036, MAX = 0.016417

Frame 2044, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102

Unbalance/tolerance = 0.005325, Iteration 1 converged  
Saved as Output Step 19

STEP 159, INCREMENT = 1.50E-06, SUM = 0.016038, MAX = 0.016417

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 93  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2044, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 57  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005325, Iteration 1 converged  
 Saved as Output Step 19

STEP 160, INCREMENT = .000000, SUM = 0.016038, MAX = 0.016417

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2065, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded

Frame 2083, Hinge 1, Dof PMM: unloaded

STEP 161, INCREMENT = -8.45E-05, SUM = 0.015953, MAX = 0.016417

Frame 2044, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005325, Iteration 1 converged  
Saved as Output Step 19

STEP 162, INCREMENT = 5.97E-05, SUM = 0.016013, MAX = 0.016417

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 93

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 57

Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2065, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005325, Iteration 1 converged  
Saved as Output Step 19

STEP 163, INCREMENT = 0.000414, SUM = 0.016427, MAX = 0.016427

Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1

Unbalance/tolerance = 0.005326, Iteration 1 converged  
Saved as Output Step 19

STEP 164, INCREMENT = 0.000681, SUM = 0.017108, MAX = 0.017108

Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Unbalance/tolerance = 0.005330, Iteration 1 converged  
Saved as Output Step 20

STEP 165, INCREMENT = 0.000904, SUM = 0.018011, MAX = 0.018011

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2065, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120

Unbalance/tolerance = 0.005340, Iteration 1 converged  
 Saved as Output Step 20

STEP 166, INCREMENT = .000000, SUM = 0.018011, MAX = 0.018011

Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2074, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 167, INCREMENT = -0.001280, SUM = 0.016731, MAX = 0.018011

Frame 2065, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120

Unbalance/tolerance = 0.005418, Iteration 1 converged  
 Saved as Output Step 21

STEP 168, INCREMENT = .000000, SUM = 0.016731, MAX = 0.018011

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

STEP 169, INCREMENT = 1.42E-06, SUM = 0.016733, MAX = 0.018011

Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2065, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120  
 Unbalance/tolerance = 0.005418, Iteration 1 converged  
 Saved as Output Step 21

STEP 170, INCREMENT = .000000, SUM = 0.016733, MAX = 0.018011  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2062, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded

STEP 171, INCREMENT = -0.000284, SUM = 0.016449, MAX = 0.018011  
 Frame 2065, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005422, Iteration 1 converged  
 Saved as Output Step 21

STEP 172, INCREMENT = 0.000193, SUM = 0.016641, MAX = 0.018011  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2062, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.005423, Iteration 1 converged  
 Saved as Output Step 21

STEP 173, INCREMENT = 0.000823, SUM = 0.017465, MAX = 0.018011  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2062, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005456, Iteration 1 converged  
 Saved as Output Step 21

STEP 174, INCREMENT = .000000, SUM = 0.017465, MAX = 0.018011

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 175, INCREMENT = -0.001085, SUM = 0.016379, MAX = 0.018011

Frame 2062, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39

Unbalance/tolerance = 0.005511, Iteration 1 converged  
 Saved as Output Step 21

STEP 176, INCREMENT = 1.65E-06, SUM = 0.016381, MAX = 0.018011

Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2062, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005511, Iteration 1 converged  
 Saved as Output Step 21

STEP 177, INCREMENT = .000000, SUM = 0.016381, MAX = 0.018011

Frame 2035, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded

STEP 178, INCREMENT = -0.000241, SUM = 0.016140, MAX = 0.018011

Frame 2062, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005514, Iteration 1 converged  
 Saved as Output Step 21

STEP 179, INCREMENT = 0.000246, SUM = 0.016386, MAX = 0.018011

Frame 2035, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39



Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005517, Iteration 1 converged  
 Saved as Output Step 21

STEP 180, INCREMENT = 0.000574, SUM = 0.016960, MAX = 0.018011

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2035, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005528, Iteration 1 converged  
 Saved as Output Step 21

STEP 181, INCREMENT = .000000, SUM = 0.016960, MAX = 0.018011

Frame 2030, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 102 to 111  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 182, INCREMENT = .000000, SUM = 0.016960, MAX = 0.018011

Frame 2030, Hinge 1, Dof PMM: Unloaded

STEP 183, INCREMENT = -0.000416, SUM = 0.016543, MAX = 0.018011

Frame 2035, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39

Unbalance/tolerance = 0.005536, Iteration 1 converged  
 Saved as Output Step 21

STEP 184, INCREMENT = .000000, SUM = 0.016543, MAX = 0.018011

Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 STEP 185, INCREMENT = 1.76E-06, SUM = 0.016545, MAX = 0.018011  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2035, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005536, Iteration 1 converged  
 Saved as Output Step 21  
 STEP 186, INCREMENT = .000000, SUM = 0.016545, MAX = 0.018011  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2038, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 STEP 187, INCREMENT = -9.24E-05, SUM = 0.016453, MAX = 0.018011  
 Frame 2035, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005536, Iteration 1 converged  
 Saved as Output Step 21  
 STEP 188, INCREMENT = 5.88E-05, SUM = 0.016512, MAX = 0.018011  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2038, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

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Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102
Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102
Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39
Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Unbalance/tolerance = 0.005536, Iteration 1 converged
Saved as Output Step 21
STEP 189, INCREMENT = 0.000315, SUM = 0.016826, MAX = 0.018011
Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30
Frame 2038, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 30
Unbalance/tolerance = 0.005533, Iteration 1 converged
Saved as Output Step 21
STEP 190, INCREMENT = .000000, SUM = 0.016826, MAX = 0.018011
Frame 2030, Hinge 1, Dof PMM: Unloaded
Frame 2031, Hinge 1, Dof PMM: Unloaded
Frame 2033, Hinge 1, Dof PMM: Unloaded
Frame 2039, Hinge 1, Dof PMM: Unloaded
Frame 2040, Hinge 1, Dof PMM: Unloaded
Frame 2045, Hinge 1, Dof PMM: Unloaded
Frame 2047, Hinge 1, Dof PMM: Unloaded
Frame 2048, Hinge 1, Dof PMM: Unloaded
Frame 2049, Hinge 1, Dof PMM: Unloaded
Frame 2067, Hinge 1, Dof PMM: Unloaded
Frame 2069, Hinge 1, Dof PMM: Unloaded
Frame 2075, Hinge 1, Dof PMM: Unloaded
Frame 2076, Hinge 1, Dof PMM: Unloaded
Frame 2082, Hinge 1, Dof PMM: Unloaded
Frame 2083, Hinge 1, Dof PMM: Unloaded
STEP 191, INCREMENT = -0.000378, SUM = 0.016448, MAX = 0.018011
Frame 2038, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 30
Unbalance/tolerance = 0.005540, Iteration 1 converged
Saved as Output Step 21
STEP 192, INCREMENT = 1.51E-06, SUM = 0.016450, MAX = 0.018011
Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2038, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 30
Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1
Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

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Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005540, Iteration 1 converged  
 Saved as Output Step 21

STEP 193, INCREMENT = .000000, SUM = 0.016450, MAX = 0.018011

Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 120  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 111  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

STEP 194, INCREMENT = .000000, SUM = 0.016450, MAX = 0.018011

Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded

STEP 195, INCREMENT = -8.39E-05, SUM = 0.016366, MAX = 0.018011

Frame 2038, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005540, Iteration 1 converged  
 Saved as Output Step 21

STEP 196, INCREMENT = 5.17E-05, SUM = 0.016418, MAX = 0.018011

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005540, Iteration 1 converged  
 Saved as Output Step 21

STEP 197, INCREMENT = 0.000443, SUM = 0.016860, MAX = 0.018011

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005532, Iteration 1 converged  
 Saved as Output Step 21

STEP 198, INCREMENT = 0.000491, SUM = 0.017352, MAX = 0.018011

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Unbalance/tolerance = 0.005517, Iteration 1 converged  
 Saved as Output Step 21

STEP 199, INCREMENT = 0.000304, SUM = 0.017655, MAX = 0.018011

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3

Frame 2074, Hinge 1, Dof PMM: Yielded, Segment +CD, Facet 120

Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.005509, Iteration 1 converged  
 Saved as Output Step 21

STEP 200, INCREMENT = .000000, SUM = 0.017655, MAX = 0.018011

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2030, Hinge 1, Dof PMM: Unloaded

Frame 2031, Hinge 1, Dof PMM: Unloaded

Frame 2033, Hinge 1, Dof PMM: Unloaded

Frame 2037, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded

Frame 2041, Hinge 1, Dof PMM: Unloaded

Frame 2045, Hinge 1, Dof PMM: Unloaded

Frame 2047, Hinge 1, Dof PMM: Unloaded

Frame 2048, Hinge 1, Dof PMM: Unloaded

Frame 2049, Hinge 1, Dof PMM: Unloaded

Frame 2064, Hinge 1, Dof PMM: Unloaded

Frame 2066, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 120

Frame 2067, Hinge 1, Dof PMM: Unloaded

Frame 2068, Hinge 1, Dof PMM: Unloaded

Frame 2069, Hinge 1, Dof PMM: Unloaded

Frame 2075, Hinge 1, Dof PMM: Unloaded

Frame 2076, Hinge 1, Dof PMM: Unloaded

Frame 2077, Hinge 1, Dof PMM: Unloaded

Frame 2081, Hinge 1, Dof PMM: Unloaded

Frame 2082, Hinge 1, Dof PMM: Unloaded

Frame 2083, Hinge 1, Dof PMM: Unloaded

Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 201, INCREMENT = .000000, SUM = 0.017655, MAX = 0.018011

Frame 2066, Hinge 1, Dof PMM: Unloaded

STEP 202, INCREMENT = -8.62E-05, SUM = 0.017569, MAX = 0.018011

Frame 2074, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120

Unbalance/tolerance = 0.005509, Iteration 1 converged  
Saved as Output Step 21

STEP 203, INCREMENT = .000000, SUM = 0.017569, MAX = 0.018011

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

STEP 204, INCREMENT = 1.63E-06, SUM = 0.017571, MAX = 0.018011

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3

Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2074, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005509, Iteration 1 converged  
Saved as Output Step 21

STEP 205, INCREMENT = .000000, SUM = 0.017571, MAX = 0.018011

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2030, Hinge 1, Dof PMM: Unloaded

Frame 2031, Hinge 1, Dof PMM: Unloaded

Frame 2033, Hinge 1, Dof PMM: Unloaded

Frame 2037, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded

Frame 2041, Hinge 1, Dof PMM: Unloaded

Frame 2045, Hinge 1, Dof PMM: Unloaded

Frame 2047, Hinge 1, Dof PMM: Unloaded

Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2081, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 206, INCREMENT = -5.48E-05, SUM = 0.017516, MAX = 0.018011

Frame 2074, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005509, Iteration 1 converged  
 Saved as Output Step 21

STEP 207, INCREMENT = 3.55E-05, SUM = 0.017551, MAX = 0.018011

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2081, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Unbalance/tolerance = 0.005509, Iteration 1 converged  
 Saved as Output Step 21

STEP 208, INCREMENT = 0.000227, SUM = 0.017778, MAX = 0.018011

Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2081, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39

Unbalance/tolerance = 0.005512, Iteration 1 converged  
 Saved as Output Step 21

STEP 209, INCREMENT = .000000, SUM = 0.017778, MAX = 0.018011

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 210, INCREMENT = -0.000214, SUM = 0.017564, MAX = 0.018011

Frame 2081, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39

Unbalance/tolerance = 0.005515, Iteration 1 converged  
 Saved as Output Step 21

STEP 211, INCREMENT = .000000, SUM = 0.017564, MAX = 0.018011

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

STEP 212, INCREMENT = 1.78E-06, SUM = 0.017566, MAX = 0.018011

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1



Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 57  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2081, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005515, Iteration 1 converged  
 Saved as Output Step 21

STEP 213, INCREMENT = .000000, SUM = 0.017566, MAX = 0.018011

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2047, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 214, INCREMENT = -4.75E-05, SUM = 0.017519, MAX = 0.018011

Frame 2081, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005515, Iteration 1 converged  
 Saved as Output Step 21

STEP 215, INCREMENT = 2.61E-05, SUM = 0.017545, MAX = 0.018011

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2047, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Unbalance/tolerance = 0.005515, Iteration 1 converged  
 Saved as Output Step 21

STEP 216, INCREMENT = 0.000476, SUM = 0.018021, MAX = 0.018021

Frame 2047, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005517, Iteration 1 converged  
 Saved as Output Step 21

STEP 217, INCREMENT = .000000, SUM = 0.018021, MAX = 0.018021

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2031, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded

Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 218, INCREMENT = -0.001162, SUM = 0.016859, MAX = 0.018021  
 Frame 2047, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39  
 Unbalance/tolerance = 0.005618, Iteration 1 converged  
 Saved as Output Step 22

STEP 219, INCREMENT = 2.17E-06, SUM = 0.016861, MAX = 0.018021  
 Frame 2047, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Unbalance/tolerance = 0.005618, Iteration 1 converged  
 Saved as Output Step 22

STEP 220, INCREMENT = .000000, SUM = 0.016861, MAX = 0.018021  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded

STEP 221, INCREMENT = -0.000258, SUM = 0.016604, MAX = 0.018021  
 Frame 2047, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005623, Iteration 1 converged  
 Saved as Output Step 22

STEP 222, INCREMENT = 0.000258, SUM = 0.016861, MAX = 0.018021  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Unbalance/tolerance = 0.005628, Iteration 1 converged  
 Saved as Output Step 22

STEP 223, INCREMENT = 0.000751, SUM = 0.017613, MAX = 0.018021  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2031, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Unbalance/tolerance = 0.005672, Iteration 1 converged  
 Saved as Output Step 22

STEP 224, INCREMENT = 0.000419, SUM = 0.018031, MAX = 0.018031

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005672, Iteration 1 converged  
 Saved as Output Step 22

STEP 225, INCREMENT = 0.001215, SUM = 0.019247, MAX = 0.019247

Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005671, Iteration 1 converged  
 Saved as Output Step 23

STEP 226, INCREMENT = 0.001785, SUM = 0.021032, MAX = 0.021032

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2031, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 48

Unbalance/tolerance = 0.005665, Iteration 1 converged  
 Saved as Output Step 23

STEP 227, INCREMENT = .000000, SUM = 0.021032, MAX = 0.021032

Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2070, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 228, INCREMENT = -0.000540, SUM = 0.020492, MAX = 0.021032

Frame 2031, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48

Unbalance/tolerance = 0.005687, Iteration 1 converged  
Saved as Output Step 24

STEP 229, INCREMENT = .000000, SUM = 0.020492, MAX = 0.021032

Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

STEP 230, INCREMENT = 1.91E-06, SUM = 0.020494, MAX = 0.021032

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2031, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3

Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 57

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005687, Iteration 1 converged  
Saved as Output Step 24

STEP 231, INCREMENT = .000000, SUM = 0.020494, MAX = 0.021032

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2030, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded

Frame 2041, Hinge 1, Dof PMM: Unloaded

Frame 2048, Hinge 1, Dof PMM: Unloaded

Frame 2049, Hinge 1, Dof PMM: Unloaded

Frame 2066, Hinge 1, Dof PMM: Unloaded

Frame 2067, Hinge 1, Dof PMM: Unloaded

Frame 2069, Hinge 1, Dof PMM: Unloaded

Frame 2070, Hinge 1, Dof PMM: Unloaded

Frame 2076, Hinge 1, Dof PMM: Unloaded

Frame 2077, Hinge 1, Dof PMM: Unloaded

Frame 2082, Hinge 1, Dof PMM: Unloaded

Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 232, INCREMENT = -0.000120, SUM = 0.020374, MAX = 0.021032

Frame 2031, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005688, Iteration 1 converged  
Saved as Output Step 24

STEP 233, INCREMENT = 8.41E-05, SUM = 0.020458, MAX = 0.021032

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3

Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 57

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2070, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005688, Iteration 1 converged  
 Saved as Output Step 24

STEP 234, INCREMENT = 0.000438, SUM = 0.020896, MAX = 0.021032

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2070, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102

Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005696, Iteration 1 converged  
 Saved as Output Step 24

STEP 235, INCREMENT = .000000, SUM = 0.020896, MAX = 0.021032

Frame 2026, Hinge 1, Dof PMM: Unloaded

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2030, Hinge 1, Dof PMM: Unloaded

Frame 2033, Hinge 1, Dof PMM: Unloaded

Frame 2037, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded

Frame 2041, Hinge 1, Dof PMM: Unloaded

Frame 2042, Hinge 1, Dof PMM: Unloaded

Frame 2045, Hinge 1, Dof PMM: Unloaded

Frame 2048, Hinge 1, Dof PMM: Unloaded

Frame 2049, Hinge 1, Dof PMM: Unloaded

Frame 2066, Hinge 1, Dof PMM: Unloaded

Frame 2067, Hinge 1, Dof PMM: Unloaded

Frame 2068, Hinge 1, Dof PMM: Unloaded

Frame 2069, Hinge 1, Dof PMM: Unloaded

Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 236, INCREMENT = -0.000270, SUM = 0.020625, MAX = 0.021032

Frame 2070, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102

Unbalance/tolerance = 0.005702, Iteration 1 converged  
 Saved as Output Step 24

STEP 237, INCREMENT = .000000, SUM = 0.020625, MAX = 0.021032

Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

STEP 238, INCREMENT = 1.92E-06, SUM = 0.020627, MAX = 0.021032

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2070, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102

Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005702, Iteration 1 converged  
 Saved as Output Step 24

STEP 239, INCREMENT = .000000, SUM = 0.020627, MAX = 0.021032

Frame 2026, Hinge 1, Dof PMM: Unloaded

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2030, Hinge 1, Dof PMM: Unloaded

Frame 2033, Hinge 1, Dof PMM: Unloaded

Frame 2037, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded

Frame 2041, Hinge 1, Dof PMM: Unloaded

Frame 2045, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 240, INCREMENT = -6.01E-05, SUM = 0.020567, MAX = 0.021032

Frame 2070, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005703, Iteration 1 converged  
 Saved as Output Step 24

STEP 241, INCREMENT = 4.54E-05, SUM = 0.020613, MAX = 0.021032

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2045, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005703, Iteration 1 converged  
 Saved as Output Step 24

STEP 242, INCREMENT = 0.000370, SUM = 0.020982, MAX = 0.021032

Frame 2033, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 48  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2045, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
 Frame 2048, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 48



Frame 2075, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102  
 Unbalance/tolerance = 0.005702, Iteration 1 converged  
 Saved as Output Step 24  
 STEP 243, INCREMENT = .000000, SUM = 0.020982, MAX = 0.021032  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded  
  
 STEP 244, INCREMENT = -0.000271, SUM = 0.020711, MAX = 0.021032  
 Frame 2033, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48  
 Unbalance/tolerance = 0.005707, Iteration 1 converged  
 Saved as Output Step 24  
 STEP 245, INCREMENT = .000000, SUM = 0.020711, MAX = 0.021032  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
  
 STEP 246, INCREMENT = -0.000126, SUM = 0.020586, MAX = 0.021032  
 Frame 2075, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102  
 Unbalance/tolerance = 0.005708, Iteration 1 converged  
 Saved as Output Step 24  
 STEP 247, INCREMENT = .000000, SUM = 0.020586, MAX = 0.021032  
 Frame 2075, Hinge 1, Dof PMM: Unloaded  
  
 STEP 248, INCREMENT = -7.51E-05, SUM = 0.020511, MAX = 0.021032  
 Frame 2048, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48  
 Unbalance/tolerance = 0.005709, Iteration 1 converged  
 Saved as Output Step 24  
 STEP 249, INCREMENT = .000000, SUM = 0.020511, MAX = 0.021032  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
  
 STEP 250, INCREMENT = -6.27E-05, SUM = 0.020448, MAX = 0.021032  
 Frame 2045, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120  
 Unbalance/tolerance = 0.005709, Iteration 1 converged  
 Saved as Output Step 24  
 STEP 251, INCREMENT = .000000, SUM = 0.020448, MAX = 0.021032  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2075, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 48  
  
 STEP 252, INCREMENT = 2.22E-06, SUM = 0.020450, MAX = 0.021032  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2045, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2075, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005709, Iteration 1 converged  
 Saved as Output Step 24  
  
 STEP 253, INCREMENT = .000000, SUM = 0.020450, MAX = 0.021032  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2067, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2076, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded  
  
 STEP 254, INCREMENT = -5.02E-05, SUM = 0.020400, MAX = 0.021032  
 Frame 2075, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005709, Iteration 1 converged  
 Saved as Output Step 24  
  
 STEP 255, INCREMENT = -6.81E-05, SUM = 0.020332, MAX = 0.021032  
 Frame 2045, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005709, Iteration 1 converged  
 Saved as Output Step 24

STEP 256, INCREMENT = 6.74E-05, SUM = 0.020399, MAX = 0.021032

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1

Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2067, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Unbalance/tolerance = 0.005710, Iteration 1 converged  
 Saved as Output Step 24

STEP 257, INCREMENT = 0.000642, SUM = 0.021042, MAX = 0.021042

Frame 2067, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 48

Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005710, Iteration 1 converged  
 Saved as Output Step 24

STEP 258, INCREMENT = .000000, SUM = 0.021042, MAX = 0.021042

Frame 2026, Hinge 1, Dof PMM: Unloaded

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2033, Hinge 1, Dof PMM: Unloaded

Frame 2037, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded

Frame 2041, Hinge 1, Dof PMM: Unloaded

Frame 2048, Hinge 1, Dof PMM: Unloaded

Frame 2049, Hinge 1, Dof PMM: Unloaded

Frame 2066, Hinge 1, Dof PMM: Unloaded

Frame 2068, Hinge 1, Dof PMM: Unloaded

Frame 2069, Hinge 1, Dof PMM: Unloaded

Frame 2076, Hinge 1, Dof PMM: Unloaded

Frame 2077, Hinge 1, Dof PMM: Unloaded

Frame 2082, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 120

Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 259, INCREMENT = .000000, SUM = 0.021042, MAX = 0.021042

Frame 2082, Hinge 1, Dof PMM: Unloaded

STEP 260, INCREMENT = -0.000580, SUM = 0.020462, MAX = 0.021042

Frame 2067, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48

Unbalance/tolerance = 0.005725, Iteration 1 converged

Saved as Output Step 25

STEP 261, INCREMENT = 1.90E-06, SUM = 0.020464, MAX = 0.021042

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2067, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005725, Iteration 1 converged  
 Saved as Output Step 25

STEP 262, INCREMENT = .000000, SUM = 0.020464, MAX = 0.021042

Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 263, INCREMENT = -0.000129, SUM = 0.020335, MAX = 0.021042

Frame 2067, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005726, Iteration 1 converged  
 Saved as Output Step 25

STEP 264, INCREMENT = 8.55E-05, SUM = 0.020421, MAX = 0.021042

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005726, Iteration 1 converged  
 Saved as Output Step 25

STEP 265, INCREMENT = 0.000386, SUM = 0.020806, MAX = 0.021042

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2076, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Unbalance/tolerance = 0.005732, Iteration 1 converged  
 Saved as Output Step 25

STEP 266, INCREMENT = 0.000118, SUM = 0.020925, MAX = 0.021042

Frame 2076, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39

Unbalance/tolerance = 0.005732, Iteration 1 converged  
Saved as Output Step 25

STEP 267, INCREMENT = .000000, SUM = 0.020925, MAX = 0.021042

Frame 2026, Hinge 1, Dof PMM: Unloaded

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2033, Hinge 1, Dof PMM: Unloaded

Frame 2037, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded

Frame 2041, Hinge 1, Dof PMM: Unloaded

Frame 2048, Hinge 1, Dof PMM: Unloaded

Frame 2049, Hinge 1, Dof PMM: Unloaded

Frame 2066, Hinge 1, Dof PMM: Unloaded

Frame 2068, Hinge 1, Dof PMM: Unloaded

Frame 2069, Hinge 1, Dof PMM: Unloaded

Frame 2077, Hinge 1, Dof PMM: Unloaded

Frame 2082, Hinge 1, Dof PMM: Unloaded

Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 268, INCREMENT = -0.000134, SUM = 0.020791, MAX = 0.021042

Frame 2076, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39

Unbalance/tolerance = 0.005733, Iteration 1 converged  
Saved as Output Step 25

STEP 269, INCREMENT = .000000, SUM = 0.020791, MAX = 0.021042

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

STEP 270, INCREMENT = 4.60E-06, SUM = 0.020796, MAX = 0.021042

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1

Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2076, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005733, Iteration 1 converged  
Saved as Output Step 25

STEP 271, INCREMENT = .000000, SUM = 0.020796, MAX = 0.021042

Frame 2026, Hinge 1, Dof PMM: Unloaded

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2041, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 1 to 120  
 Frame 2084, Hinge 1, Dof PMM: Unloaded  
  
 STEP 272, INCREMENT = .000000, SUM = 0.020796, MAX = 0.021042  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
  
 STEP 273, INCREMENT = -2.97E-05, SUM = 0.020766, MAX = 0.021042  
 Frame 2076, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005733, Iteration 1 converged  
 Saved as Output Step 25  
 STEP 274, INCREMENT = 2.02E-05, SUM = 0.020786, MAX = 0.021042  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2041, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005733, Iteration 1 converged  
 Saved as Output Step 25  
 STEP 275, INCREMENT = 0.000265, SUM = 0.021052, MAX = 0.021052  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005731, Iteration 1 converged  
 Saved as Output Step 25  
 STEP 276, INCREMENT = 0.000291, SUM = 0.021343, MAX = 0.021343  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.005730, Iteration 1 converged  
 Saved as Output Step 26  
 STEP 277, INCREMENT = 0.000572, SUM = 0.021915, MAX = 0.021915  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005724, Iteration 1 converged  
 Saved as Output Step 26

STEP 278, INCREMENT = 0.000683, SUM = 0.022598, MAX = 0.022598

Frame 2041, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 30  
 Unbalance/tolerance = 0.005710, Iteration 1 converged  
 Saved as Output Step 26

STEP 279, INCREMENT = .000000, SUM = 0.022598, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2048, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 280, INCREMENT = -0.000283, SUM = 0.022315, MAX = 0.022598

Frame 2041, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 30  
 Unbalance/tolerance = 0.005711, Iteration 1 converged  
 Saved as Output Step 27

STEP 281, INCREMENT = .000000, SUM = 0.022315, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

STEP 282, INCREMENT = 1.63E-06, SUM = 0.022317, MAX = 0.022598

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +CD, Facet 120  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2041, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 30  
 Frame 2048, Hinge 1, Dof PMM: Yielded, Segment +CD, Facet 48  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Unbalance/tolerance = 0.005711, Iteration 1 converged  
 Saved as Output Step 27

STEP 283, INCREMENT = .000000, SUM = 0.022317, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 284, INCREMENT = -6.28E-05, SUM = 0.022254, MAX = 0.022598  
 Frame 2041, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005711, Iteration 1 converged  
 Saved as Output Step 27

STEP 285, INCREMENT = -9.00E-05, SUM = 0.022164, MAX = 0.022598  
 Frame 2033, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120  
 Unbalance/tolerance = 0.005711, Iteration 1 converged  
 Saved as Output Step 27

STEP 286, INCREMENT = .000000, SUM = 0.022164, MAX = 0.022598  
 Frame 2033, Hinge 1, Dof PMM: Unloaded

STEP 287, INCREMENT = -0.000153, SUM = 0.022012, MAX = 0.022598  
 Frame 2048, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48  
 Unbalance/tolerance = 0.005712, Iteration 1 converged  
 Saved as Output Step 27

STEP 288, INCREMENT = 2.33E-06, SUM = 0.022014, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 120  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2048, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39



Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Unbalance/tolerance = 0.005712, Iteration 1 converged  
 Saved as Output Step 27

STEP 289, INCREMENT = .000000, SUM = 0.022014, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2029, Hinge 1, Dof PMM: Unloaded  
 Frame 2033, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 290, INCREMENT = -0.000173, SUM = 0.021841, MAX = 0.022598  
 Frame 2048, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005712, Iteration 1 converged  
 Saved as Output Step 27

STEP 291, INCREMENT = 9.11E-05, SUM = 0.021932, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2033, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 120  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Unbalance/tolerance = 0.005712, Iteration 1 converged  
 Saved as Output Step 27

STEP 292, INCREMENT = 2.14E-06, SUM = 0.021934, MAX = 0.022598  
 Frame 2033, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120  
 Unbalance/tolerance = 0.005712, Iteration 1 converged  
 Saved as Output Step 27

STEP 293, INCREMENT = .000000, SUM = 0.021934, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: unloaded  
 Frame 2029, Hinge 1, Dof PMM: unloaded  
 Frame 2039, Hinge 1, Dof PMM: unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2068, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 294, INCREMENT = -7.24E-05, SUM = 0.021862, MAX = 0.022598

Frame 2033, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005712, Iteration 1 converged  
 Saved as Output Step 27

STEP 295, INCREMENT = 3.77E-05, SUM = 0.021900, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Unbalance/tolerance = 0.005712, Iteration 1 converged  
 Saved as Output Step 27

STEP 296, INCREMENT = 0.000391, SUM = 0.022291, MAX = 0.022598

Frame 2029, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 111  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2068, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120

Unbalance/tolerance = 0.005717, Iteration 1 converged  
 Saved as Output Step 27

STEP 297, INCREMENT = .000000, SUM = 0.022291, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2049, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded

Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 298, INCREMENT = -0.000228, SUM = 0.022063, MAX = 0.022598

Frame 2068, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120

Unbalance/tolerance = 0.005717, Iteration 1 converged  
Saved as Output Step 27

STEP 299, INCREMENT = .000000, SUM = 0.022063, MAX = 0.022598

Frame 2068, Hinge 1, Dof PMM: Unloaded

STEP 300, INCREMENT = -4.08E-05, SUM = 0.022022, MAX = 0.022598

Frame 2029, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 111

Unbalance/tolerance = 0.005717, Iteration 1 converged  
Saved as Output Step 27

STEP 301, INCREMENT = .000000, SUM = 0.022022, MAX = 0.022598

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2068, Hinge 1, Dof PMM: Yielded, Segment +CD, Facet 48

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

STEP 302, INCREMENT = .000000, SUM = 0.022022, MAX = 0.022598

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 303, INCREMENT = -0.000263, SUM = 0.021759, MAX = 0.022598

Frame 2068, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48

Unbalance/tolerance = 0.005718, Iteration 1 converged  
Saved as Output Step 27

STEP 304, INCREMENT = .000000, SUM = 0.021759, MAX = 0.022598

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 39

STEP 305, INCREMENT = 1.78E-06, SUM = 0.021761, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2068, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005718, Iteration 1 converged  
Saved as Output Step 27

STEP 306, INCREMENT = .000000, SUM = 0.021761, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Unloaded

Frame 2029, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2049, Hinge 1, Dof PMM: Unloaded

Frame 2069, Hinge 1, Dof PMM: Unloaded

Frame 2077, Hinge 1, Dof PMM: Unloaded

Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 307, INCREMENT = -0.000126, SUM = 0.021635, MAX = 0.022598

Frame 2068, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005718, Iteration 1 converged  
Saved as Output Step 27

STEP 308, INCREMENT = 0.000131, SUM = 0.021766, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2029, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 39

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005718, Iteration 1 converged  
Saved as Output Step 27

STEP 309, INCREMENT = 1.08E-06, SUM = 0.021767, MAX = 0.022598

Frame 2029, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39

Unbalance/tolerance = 0.005718, Iteration 1 converged  
Saved as Output Step 27

STEP 310, INCREMENT = .000000, SUM = 0.021767, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Unloaded

Frame 2039, Hinge 1, Dof PMM: Unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded

Frame 2049, Hinge 1, Dof PMM: Unloaded

Frame 2069, Hinge 1, Dof PMM: Unloaded

Frame 2077, Hinge 1, Dof PMM: Unloaded

Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 311, INCREMENT = -6.07E-05, SUM = 0.021706, MAX = 0.022598

Frame 2029, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005718, Iteration 1 converged  
Saved as Output Step 27

STEP 312, INCREMENT = 5.42E-05, SUM = 0.021761, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005718, Iteration 1 converged  
Saved as Output Step 27

STEP 313, INCREMENT = 0.000398, SUM = 0.022158, MAX = 0.022598

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.005716, Iteration 1 converged  
Saved as Output Step 27

STEP 314, INCREMENT = 0.000426, SUM = 0.022584, MAX = 0.022598  
 Frame 2039, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
 Frame 2049, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 30  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2077, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Unbalance/tolerance = 0.005720, Iteration 1 converged  
 Saved as Output Step 27

STEP 315, INCREMENT = .000000, SUM = 0.022584, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2082, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 316, INCREMENT = -0.000529, SUM = 0.022055, MAX = 0.022598  
 Frame 2049, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 30  
 Unbalance/tolerance = 0.005720, Iteration 1 converged  
 Saved as Output Step 27

STEP 317, INCREMENT = .000000, SUM = 0.022055, MAX = 0.022598  
 Frame 2049, Hinge 1, Dof PMM: Unloaded

STEP 318, INCREMENT = -0.000160, SUM = 0.021895, MAX = 0.022598  
 Frame 2039, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120  
 Unbalance/tolerance = 0.005720, Iteration 1 converged  
 Saved as Output Step 27

STEP 319, INCREMENT = .000000, SUM = 0.021895, MAX = 0.022598  
 Frame 2039, Hinge 1, Dof PMM: Unloaded

STEP 320, INCREMENT = -0.000652, SUM = 0.021243, MAX = 0.022598  
 Frame 2077, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39  
 Unbalance/tolerance = 0.005720, Iteration 1 converged  
 Saved as Output Step 27

STEP 321, INCREMENT = .000000, SUM = 0.021243, MAX = 0.022598  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +CD, Facet 48  
 Frame 2049, Hinge 1, Dof PMM: Yielded, Segment +CD, Facet 102

STEP 322, INCREMENT = .000000, SUM = 0.021243, MAX = 0.022598  
 Frame 2077, Hinge 1, Dof PMM: Unloaded

STEP 323, INCREMENT = -0.000299, SUM = 0.020944, MAX = 0.022598  
 Frame 2039, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48  
 Unbalance/tolerance = 0.005721, Iteration 1 converged  
 Saved as Output Step 27

STEP 324, INCREMENT = .000000, SUM = 0.020944, MAX = 0.022598

Frame 2039, Hinge 1, Dof PMM: Unloaded  
 STEP 325, INCREMENT = -0.000122, SUM = 0.020822, MAX = 0.022598  
 Frame 2049, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102  
 Unbalance/tolerance = 0.005721, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 326, INCREMENT = 4.20E-06, SUM = 0.020826, MAX = 0.022598  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 48  
 Frame 2049, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005721, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 327, INCREMENT = .000000, SUM = 0.020826, MAX = 0.022598  
 Frame 2039, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded  
 STEP 328, INCREMENT = -0.000217, SUM = 0.020609, MAX = 0.022598  
 Frame 2049, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005721, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 329, INCREMENT = 0.000212, SUM = 0.020821, MAX = 0.022598  
 Frame 2039, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 48  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005721, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 330, INCREMENT = 3.58E-06, SUM = 0.020825, MAX = 0.022598  
 Frame 2039, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48  
 Unbalance/tolerance = 0.005721, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 331, INCREMENT = .000000, SUM = 0.020825, MAX = 0.022598  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded  
 STEP 332, INCREMENT = -0.000149, SUM = 0.020676, MAX = 0.022598  
 Frame 2039, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005721, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 333, INCREMENT = 0.000144, SUM = 0.020820, MAX = 0.022598  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005721, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 334, INCREMENT = 0.000748, SUM = 0.021568, MAX = 0.022598  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2082, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Unbalance/tolerance = 0.005714, Iteration 1 converged  
 Saved as Output Step 27

STEP 335, INCREMENT = 0.000461, SUM = 0.022030, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2082, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102  
 Unbalance/tolerance = 0.005709, Iteration 1 converged  
 Saved as Output Step 27

STEP 336, INCREMENT = .000000, SUM = 0.022030, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2069, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 337, INCREMENT = -0.000752, SUM = 0.021278, MAX = 0.022598  
 Frame 2082, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102  
 Unbalance/tolerance = 0.005707, Iteration 1 converged  
 Saved as Output Step 27

STEP 338, INCREMENT = 4.20E-06, SUM = 0.021282, MAX = 0.022598  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 30  
 Frame 2082, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005707, Iteration 1 converged  
 Saved as Output Step 27

STEP 339, INCREMENT = .000000, SUM = 0.021282, MAX = 0.022598  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 340, INCREMENT = -0.000167, SUM = 0.021115, MAX = 0.022598  
 Frame 2082, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005707, Iteration 1 converged  
 Saved as Output Step 27

STEP 341, INCREMENT = 3.64E-05, SUM = 0.021152, MAX = 0.022598  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005707, Iteration 1 converged  
 Saved as Output Step 27

STEP 342, INCREMENT = 0.000754, SUM = 0.021906, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2069, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.005704, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 343, INCREMENT = 0.000392, SUM = 0.022298, MAX = 0.022598  
 Frame 2069, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
 Unbalance/tolerance = 0.005704, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 344, INCREMENT = .000000, SUM = 0.022298, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded  
 STEP 345, INCREMENT = -0.000436, SUM = 0.021862, MAX = 0.022598  
 Frame 2069, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120  
 Unbalance/tolerance = 0.005704, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 346, INCREMENT = 3.10E-06, SUM = 0.021865, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2069, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005704, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 347, INCREMENT = .000000, SUM = 0.021865, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2042, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded  
 STEP 348, INCREMENT = -9.68E-05, SUM = 0.021768, MAX = 0.022598  
 Frame 2069, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005704, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 349, INCREMENT = 2.94E-05, SUM = 0.021798, MAX = 0.022598



Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2042, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Unbalance/tolerance = 0.005704, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 350, INCREMENT = 0.000487, SUM = 0.022285, MAX = 0.022598  
 Frame 2030, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2042, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 48  
 Unbalance/tolerance = 0.005702, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 351, INCREMENT = .000000, SUM = 0.022285, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded  
 STEP 352, INCREMENT = -0.000368, SUM = 0.021916, MAX = 0.022598  
 Frame 2030, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39  
 Unbalance/tolerance = 0.005702, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 353, INCREMENT = .000000, SUM = 0.021916, MAX = 0.022598  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 STEP 354, INCREMENT = -0.000210, SUM = 0.021707, MAX = 0.022598  
 Frame 2042, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48  
 Unbalance/tolerance = 0.005703, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 355, INCREMENT = .000000, SUM = 0.021707, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 111  
 Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 STEP 356, INCREMENT = 4.86E-06, SUM = 0.021712, MAX = 0.022598  
 Frame 2042, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Unbalance/tolerance = 0.005703, Iteration 1 converged  
 Saved as Output Step 27  
 STEP 357, INCREMENT = .000000, SUM = 0.021712, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2030, Hinge 1, Dof PMM: Unloaded  
 Frame 2066, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 358, INCREMENT = -0.000128, SUM = 0.021583, MAX = 0.022598

Frame 2042, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005703, Iteration 1 converged  
 Saved as Output Step 27

STEP 359, INCREMENT = 0.000107, SUM = 0.021691, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2030, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 111

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1

Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005703, Iteration 1 converged  
 Saved as Output Step 27

STEP 360, INCREMENT = 6.86E-07, SUM = 0.021691, MAX = 0.022598

Frame 2030, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 111

Unbalance/tolerance = 0.005703, Iteration 1 converged  
 Saved as Output Step 27

STEP 361, INCREMENT = .000000, SUM = 0.021691, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Unloaded

Frame 2066, Hinge 1, Dof PMM: Unloaded

Frame 2077, Hinge 1, Dof PMM: Unloaded

Frame 2083, Hinge 1, Dof PMM: Unloaded

Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 362, INCREMENT = -6.81E-05, SUM = 0.021623, MAX = 0.022598

Frame 2030, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005703, Iteration 1 converged  
 Saved as Output Step 27

STEP 363, INCREMENT = 6.91E-05, SUM = 0.021692, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2066, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48

Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1

Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005703, Iteration 1 converged  
 Saved as Output Step 27

STEP 364, INCREMENT = 0.000374, SUM = 0.022066, MAX = 0.022598

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2066, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 48

Unbalance/tolerance = 0.005705, Iteration 1 converged  
 Saved as Output Step 27

STEP 365, INCREMENT = .000000, SUM = 0.022066, MAX = 0.022598

Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 366, INCREMENT = -0.000511, SUM = 0.021555, MAX = 0.022598  
 Frame 2066, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48  
 Unbalance/tolerance = 0.005710, Iteration 1 converged  
 Saved as Output Step 27

STEP 367, INCREMENT = 4.47E-06, SUM = 0.021560, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2066, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Unbalance/tolerance = 0.005710, Iteration 1 converged  
 Saved as Output Step 27

STEP 368, INCREMENT = .000000, SUM = 0.021560, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
 Frame 2084, Hinge 1, Dof PMM: Unloaded

STEP 369, INCREMENT = -0.000113, SUM = 0.021446, MAX = 0.022598  
 Frame 2066, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005710, Iteration 1 converged  
 Saved as Output Step 27

STEP 370, INCREMENT = 7.71E-05, SUM = 0.021524, MAX = 0.022598  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 1  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2084, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Unbalance/tolerance = 0.005710, Iteration 1 converged  
 Saved as Output Step 27

STEP 371, INCREMENT = 0.000186, SUM = 0.021710, MAX = 0.022598  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.005710, Iteration 1 converged  
 Saved as Output Step 27

STEP 372, INCREMENT = 0.000898, SUM = 0.022608, MAX = 0.022608  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2084, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102  
 Unbalance/tolerance = 0.005711, Iteration 1 converged  
 Saved as Output Step 27

STEP 373, INCREMENT = .000000, SUM = 0.022608, MAX = 0.022608  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded

Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
  
 STEP 374, INCREMENT = -0.000455, SUM = 0.022153, MAX = 0.022608  
 Frame 2084, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102  
 Unbalance/tolerance = 0.005714, Iteration 1 converged  
 Saved as Output Step 28  
  
 STEP 375, INCREMENT = .000000, SUM = 0.022153, MAX = 0.022608  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
  
 STEP 376, INCREMENT = 3.02E-06, SUM = 0.022156, MAX = 0.022608  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 48  
 Frame 2084, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102  
 Unbalance/tolerance = 0.005714, Iteration 1 converged  
 Saved as Output Step 28  
  
 STEP 377, INCREMENT = .000000, SUM = 0.022156, MAX = 0.022608  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2077, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
  
 STEP 378, INCREMENT = -0.000101, SUM = 0.022055, MAX = 0.022608  
 Frame 2084, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005714, Iteration 1 converged  
 Saved as Output Step 28  
  
 STEP 379, INCREMENT = 4.78E-05, SUM = 0.022103, MAX = 0.022608  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 21  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2077, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 48  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Unbalance/tolerance = 0.005714, Iteration 1 converged  
 Saved as Output Step 28  
  
 STEP 380, INCREMENT = 5.26E-06, SUM = 0.022108, MAX = 0.022608  
 Frame 2077, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48  
 Unbalance/tolerance = 0.005714, Iteration 1 converged  
 Saved as Output Step 28  
  
 STEP 381, INCREMENT = .000000, SUM = 0.022108, MAX = 0.022608  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2083, Hinge 1, Dof PMM: Unloaded  
  
 STEP 382, INCREMENT = -7.28E-05, SUM = 0.022036, MAX = 0.022608  
 Frame 2077, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005714, Iteration 1 converged  
 Saved as Output Step 28  
  
 STEP 383, INCREMENT = 6.91E-05, SUM = 0.022105, MAX = 0.022608  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 21

Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2083, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Unbalance/tolerance = 0.005714, Iteration 1 converged  
 Saved as Output Step 28  
 STEP 384, INCREMENT = 0.000487, SUM = 0.022591, MAX = 0.022608  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2083, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
 Unbalance/tolerance = 0.005716, Iteration 1 converged  
 Saved as Output Step 28  
 STEP 385, INCREMENT = .000000, SUM = 0.022591, MAX = 0.022608  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
 STEP 386, INCREMENT = -0.000385, SUM = 0.022206, MAX = 0.022608  
 Frame 2083, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120  
 Unbalance/tolerance = 0.005716, Iteration 1 converged  
 Saved as Output Step 28  
 STEP 387, INCREMENT = .000000, SUM = 0.022206, MAX = 0.022608  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 STEP 388, INCREMENT = 4.49E-06, SUM = 0.022211, MAX = 0.022608  
 Frame 2083, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120  
 Unbalance/tolerance = 0.005716, Iteration 1 converged  
 Saved as Output Step 28  
 STEP 389, INCREMENT = .000000, SUM = 0.022211, MAX = 0.022608  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2037, Hinge 1, Dof PMM: Unloaded  
 STEP 390, INCREMENT = -8.55E-05, SUM = 0.022125, MAX = 0.022608  
 Frame 2083, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005716, Iteration 1 converged  
 Saved as Output Step 28  
 STEP 391, INCREMENT = 8.76E-05, SUM = 0.022213, MAX = 0.022608  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2037, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.005716, Iteration 1 converged  
 Saved as Output Step 28  
 STEP 392, INCREMENT = 0.000373, SUM = 0.022586, MAX = 0.022608  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Unbalance/tolerance = 0.005715, Iteration 1 converged  
 Saved as Output Step 28  
 STEP 393, INCREMENT = 3.23E-05, SUM = 0.022618, MAX = 0.022618  
 Unbalance/tolerance = 0.005715, Iteration 1 converged  
 Saved as Output Step 28  
 STEP 394, INCREMENT = 0.005919, SUM = 0.028537, MAX = 0.028537  
 Frame 2037, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 111

Unbalance/tolerance = 0.005699, Iteration 1 converged  
 Saved as Output Step 29

STEP 395, INCREMENT = .000000, SUM = 0.028537, MAX = 0.028537  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded

STEP 396, INCREMENT = -0.000386, SUM = 0.028151, MAX = 0.028537  
 Frame 2037, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 111

Unbalance/tolerance = 0.005699, Iteration 1 converged  
 Saved as Output Step 30

STEP 397, INCREMENT = .000000, SUM = 0.028151, MAX = 0.028537  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 40  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 106

STEP 398, INCREMENT = 5.45E-06, SUM = 0.028157, MAX = 0.028537  
 Frame 2037, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 111  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005699, Iteration 1 converged  
 Saved as Output Step 30

STEP 399, INCREMENT = .000000, SUM = 0.028157, MAX = 0.028537  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2040, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded

STEP 400, INCREMENT = -8.57E-05, SUM = 0.028071, MAX = 0.028537  
 Frame 2037, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.005699, Iteration 1 converged  
 Saved as Output Step 30

STEP 401, INCREMENT = .000000, SUM = 0.028071, MAX = 0.028537  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 105

STEP 402, INCREMENT = 8.40E-05, SUM = 0.028155, MAX = 0.028537  
 Frame 2040, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005699, Iteration 1 converged  
 Saved as Output Step 30

STEP 403, INCREMENT = 0.000392, SUM = 0.028547, MAX = 0.028547

Unbalance/tolerance = 0.005698, Iteration 1 converged  
 Saved as Output Step 30

STEP 404, INCREMENT = 0.000870, SUM = 0.029418, MAX = 0.029418  
 Frame 2046, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Unbalance/tolerance = 0.005693, Iteration 1 converged  
 Saved as Output Step 31

STEP 405, INCREMENT = 0.001085, SUM = 0.030502, MAX = 0.030502  
 Frame 2040, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 30  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.005681, Iteration 1 converged  
 Saved as Output Step 31

STEP 406, INCREMENT = .000000, SUM = 0.030502, MAX = 0.030502  
 Frame 2026, Hinge 1, Dof PMM: Unloaded

Frame 2046, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
  
 STEP 407, INCREMENT = -0.000444, SUM = 0.030059, MAX = 0.030502  
 Frame 2040, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 30  
 Unbalance/tolerance = 0.005680, Iteration 1 converged  
 Saved as Output Step 32  
 STEP 408, INCREMENT = .000000, SUM = 0.030059, MAX = 0.030502  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
  
 STEP 409, INCREMENT = 4.17E-06, SUM = 0.030063, MAX = 0.030502  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2040, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 30  
 Frame 2046, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 93  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Unbalance/tolerance = 0.005680, Iteration 1 converged  
 Saved as Output Step 32  
 STEP 410, INCREMENT = .000000, SUM = 0.030063, MAX = 0.030502  
 Frame 2026, Hinge 1, Dof PMM: Unloaded  
 Frame 2046, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
 Frame 2064, Hinge 1, Dof PMM: Unloaded  
  
 STEP 411, INCREMENT = -9.85E-05, SUM = 0.029964, MAX = 0.030502  
 Frame 2040, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005680, Iteration 1 converged  
 Saved as Output Step 32  
 STEP 412, INCREMENT = 0.000176, SUM = 0.030140, MAX = 0.030502  
 Frame 2026, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2046, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 93  
 Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Unbalance/tolerance = 0.005680, Iteration 1 converged  
 Saved as Output Step 32  
 STEP 413, INCREMENT = 0.000372, SUM = 0.030512, MAX = 0.030512  
 Unbalance/tolerance = 0.005680, Iteration 1 converged  
 Saved as Output Step 32  
 STEP 414, INCREMENT = 0.002059, SUM = 0.032571, MAX = 0.032571  
 Frame 2026, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 48  
 Frame 2064, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102  
 Unbalance/tolerance = 0.005678, Iteration 1 converged  
 Saved as Output Step 33  
 STEP 415, INCREMENT = .000000, SUM = 0.032571, MAX = 0.032571  
 Frame 2046, Hinge 1, Dof PMM: Unloaded  
 Frame 2061, Hinge 1, Dof PMM: Unloaded  
  
 STEP 416, INCREMENT = -0.001685, SUM = 0.030886, MAX = 0.032571  
 Frame 2064, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102  
 Unbalance/tolerance = 0.005677, Iteration 1 converged  
 Saved as Output Step 34

STEP 417, INCREMENT = .000000, SUM = 0.030886, MAX = 0.032571  
Frame 2064, Hinge 1, Dof PMM: Unloaded

STEP 418, INCREMENT = -0.002583, SUM = 0.028303, MAX = 0.032571  
Frame 2026, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 48  
Unbalance/tolerance = 0.005676, Iteration 1 converged  
Saved as Output Step 34

STEP 419, INCREMENT = 1.76E-05, SUM = 0.028321, MAX = 0.032571  
Frame 2026, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 48  
Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
Unbalance/tolerance = 0.005676, Iteration 1 converged  
Saved as Output Step 34

STEP 420, INCREMENT = .000000, SUM = 0.028321, MAX = 0.032571  
Frame 2061, Hinge 1, Dof PMM: Unloaded

STEP 421, INCREMENT = -0.000947, SUM = 0.027373, MAX = 0.032571  
Frame 2026, Hinge 1, Dof PMM: Ruptured  
Unbalance/tolerance = 0.005676, Iteration 1 converged  
Saved as Output Step 34

STEP 422, INCREMENT = 0.000687, SUM = 0.028060, MAX = 0.032571  
Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
Unbalance/tolerance = 0.005677, Iteration 1 converged  
Saved as Output Step 34

STEP 423, INCREMENT = 0.002208, SUM = 0.030268, MAX = 0.032571  
Frame 2046, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
Frame 2064, Hinge 1, Dof PMM: Yielded, Segment +DE, Facet 102  
Unbalance/tolerance = 0.005695, Iteration 1 converged  
Saved as Output Step 34

STEP 424, INCREMENT = 1.28E-05, SUM = 0.030280, MAX = 0.032571  
Frame 2064, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102  
Unbalance/tolerance = 0.005695, Iteration 1 converged  
Saved as Output Step 34

STEP 425, INCREMENT = .000000, SUM = 0.030280, MAX = 0.032571  
Frame 2046, Hinge 1, Dof PMM: Unloaded  
Frame 2061, Hinge 1, Dof PMM: Unloaded

STEP 426, INCREMENT = -5.28E-05, SUM = 0.030228, MAX = 0.032571  
Frame 2064, Hinge 1, Dof PMM: Ruptured  
Unbalance/tolerance = 0.005695, Iteration 1 converged  
Saved as Output Step 34

STEP 427, INCREMENT = .000000, SUM = 0.030228, MAX = 0.032571  
Frame 2061, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120

STEP 428, INCREMENT = 6.24E-05, SUM = 0.030290, MAX = 0.032571  
Frame 2046, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
Unbalance/tolerance = 0.005695, Iteration 1 converged  
Saved as Output Step 34

STEP 429, INCREMENT = 0.002291, SUM = 0.032581, MAX = 0.032581  
Unbalance/tolerance = 0.005705, Iteration 1 converged  
Saved as Output Step 34

STEP 430, INCREMENT = 0.009595, SUM = 0.042176, MAX = 0.042176  
Frame 2052, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75



Frame 2053, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2061, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
 Unbalance/tolerance = 0.005891, Iteration 1 converged  
 Saved as Output Step 35  
 STEP 431, INCREMENT = .000000, SUM = 0.042176, MAX = 0.042176  
 Frame 2046, Hinge 1, Dof PMM: Unloaded  
 Frame 2052, Hinge 1, Dof PMM: Unloaded  
 Frame 2053, Hinge 1, Dof PMM: Unloaded  
 STEP 432, INCREMENT = -0.005818, SUM = 0.036357, MAX = 0.042176  
 Frame 2061, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120  
 Unbalance/tolerance = 0.005961, Iteration 1 converged  
 Saved as Output Step 36  
 STEP 433, INCREMENT = .000000, SUM = 0.036357, MAX = 0.042176  
 Frame 2046, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 STEP 434, INCREMENT = 1.32E-05, SUM = 0.036371, MAX = 0.042176  
 Frame 2061, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120  
 Unbalance/tolerance = 0.005961, Iteration 1 converged  
 Saved as Output Step 36  
 STEP 435, INCREMENT = .000000, SUM = 0.036371, MAX = 0.042176  
 Frame 2046, Hinge 1, Dof PMM: Unloaded  
 STEP 436, INCREMENT = -0.001291, SUM = 0.035080, MAX = 0.042176  
 Frame 2061, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.005965, Iteration 1 converged  
 Saved as Output Step 36  
 STEP 437, INCREMENT = 0.000325, SUM = 0.035404, MAX = 0.042176  
 Frame 2046, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.005965, Iteration 1 converged  
 Saved as Output Step 36  
 STEP 438, INCREMENT = 0.006766, SUM = 0.042171, MAX = 0.042176  
 Frame 2052, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75  
 Frame 2053, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Unbalance/tolerance = 0.006066, Iteration 1 converged  
 Saved as Output Step 36  
 STEP 439, INCREMENT = 1.52E-05, SUM = 0.042186, MAX = 0.042186  
 Unbalance/tolerance = 0.006066, Iteration 1 converged  
 Saved as Output Step 36  
 STEP 440, INCREMENT = 0.013203, SUM = 0.055389, MAX = 0.055389  
 Frame 2046, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 111  
 Frame 2051, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75  
 Unbalance/tolerance = 0.006510, Iteration 1 converged  
 Saved as Output Step 37  
 STEP 441, INCREMENT = .000000, SUM = 0.055389, MAX = 0.055389  
 Frame 2051, Hinge 1, Dof PMM: Unloaded  
 Frame 2052, Hinge 1, Dof PMM: Unloaded  
 Frame 2053, Hinge 1, Dof PMM: Unloaded  
 STEP 442, INCREMENT = -0.007203, SUM = 0.048186, MAX = 0.055389  
 Frame 2046, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 111  
 Unbalance/tolerance = 0.006697, Iteration 1 converged

Saved as Output Step 38

STEP 443, INCREMENT = 2.62E-05, SUM = 0.048212, MAX = 0.055389

Frame 2046, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 111

Unbalance/tolerance = 0.006697, Iteration 1 converged

Saved as Output Step 38

STEP 444, INCREMENT = -0.001598, SUM = 0.046614, MAX = 0.055389

Frame 2046, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.006707, Iteration 1 converged

Saved as Output Step 38

STEP 445, INCREMENT = 0.005758, SUM = 0.052372, MAX = 0.055389

Frame 2051, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75

Frame 2052, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102

Frame 2053, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30

Unbalance/tolerance = 0.006802, Iteration 1 converged

Saved as Output Step 38

STEP 446, INCREMENT = 0.003027, SUM = 0.055399, MAX = 0.055399

Unbalance/tolerance = 0.006827, Iteration 1 converged

Saved as Output Step 38

STEP 447, INCREMENT = 0.007080, SUM = 0.062478, MAX = 0.062478

Frame 2096, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.006971, Iteration 1 converged

Saved as Output Step 39

STEP 448, INCREMENT = 0.005280, SUM = 0.067758, MAX = 0.067758

Frame 2100, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.007038, Iteration 1 converged

Saved as Output Step 39

STEP 449, INCREMENT = 0.003677, SUM = 0.071435, MAX = 0.071435

Frame 2052, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102

Unbalance/tolerance = 0.007073, Iteration 1 converged

Saved as Output Step 39

STEP 450, INCREMENT = .000000, SUM = 0.071435, MAX = 0.071435

Frame 2051, Hinge 1, Dof PMM: Unloaded

Frame 2053, Hinge 1, Dof PMM: Unloaded

Frame 2096, Hinge 1, Dof PMM: Unloaded

Frame 2097, Hinge 1, Dof PMM: Unloaded

Frame 2100, Hinge 1, Dof PMM: Unloaded

STEP 451, INCREMENT = -0.002309, SUM = 0.069126, MAX = 0.071435

Frame 2052, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102

Unbalance/tolerance = 0.007091, Iteration 1 converged

Saved as Output Step 40

STEP 452, INCREMENT = .000000, SUM = 0.069126, MAX = 0.071435

Frame 2051, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3

Frame 2053, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2096, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2100, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

STEP 453, INCREMENT = 2.33E-05, SUM = 0.069149, MAX = 0.071435

Frame 2052, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102

Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.007091, Iteration 1 converged  
 Saved as Output Step 40

STEP 454, INCREMENT = .000000, SUM = 0.069149, MAX = 0.071435

Frame 2051, Hinge 1, Dof PMM: Unloaded

Frame 2053, Hinge 1, Dof PMM: Unloaded

Frame 2096, Hinge 1, Dof PMM: Unloaded

Frame 2097, Hinge 1, Dof PMM: Unloaded

Frame 2100, Hinge 1, Dof PMM: Unloaded

STEP 455, INCREMENT = -0.000513, SUM = 0.068637, MAX = 0.071435

Frame 2052, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.007092, Iteration 1 converged  
 Saved as Output Step 40

STEP 456, INCREMENT = 0.000371, SUM = 0.069008, MAX = 0.071435

Frame 2051, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 3

Frame 2053, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2096, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Frame 2100, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Unbalance/tolerance = 0.007092, Iteration 1 converged  
 Saved as Output Step 40

STEP 457, INCREMENT = 0.002437, SUM = 0.071445, MAX = 0.071445

Unbalance/tolerance = 0.007107, Iteration 1 converged  
 Saved as Output Step 40

STEP 458, INCREMENT = 0.008933, SUM = 0.080379, MAX = 0.080379

Frame 2050, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2053, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 111

Unbalance/tolerance = 0.007336, Iteration 1 converged  
 Saved as Output Step 41

STEP 459, INCREMENT = .000000, SUM = 0.080379, MAX = 0.080379

Frame 2050, Hinge 1, Dof PMM: Unloaded

Frame 2051, Hinge 1, Dof PMM: Unloaded

Frame 2096, Hinge 1, Dof PMM: Unloaded

Frame 2097, Hinge 1, Dof PMM: Unloaded

Frame 2100, Hinge 1, Dof PMM: Unloaded

STEP 460, INCREMENT = -0.007657, SUM = 0.072722, MAX = 0.080379

Frame 2053, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 111

Unbalance/tolerance = 0.007555, Iteration 1 converged  
 Saved as Output Step 42

STEP 461, INCREMENT = .000000, SUM = 0.072722, MAX = 0.080379

Frame 2051, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 93

Frame 2100, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

STEP 462, INCREMENT = 2.66E-05, SUM = 0.072749, MAX = 0.080379

Frame 2053, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 111

Frame 2096, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Unbalance/tolerance = 0.007555, Iteration 1 converged  
 Saved as Output Step 42

STEP 463, INCREMENT = .000000, SUM = 0.072749, MAX = 0.080379

Frame 2051, Hinge 1, Dof PMM: Unloaded  
 Frame 2096, Hinge 1, Dof PMM: Unloaded  
 Frame 2100, Hinge 1, Dof PMM: Unloaded  
  
 STEP 464, INCREMENT = -0.001698, SUM = 0.071050, MAX = 0.080379  
 Frame 2053, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.007567, Iteration 1 converged  
 Saved as Output Step 42  
  
 STEP 465, INCREMENT = 0.001467, SUM = 0.072517, MAX = 0.080379  
 Frame 2051, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 75  
 Frame 2096, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2100, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.007575, Iteration 1 converged  
 Saved as Output Step 42  
  
 STEP 466, INCREMENT = 0.001462, SUM = 0.073979, MAX = 0.080379  
 Frame 2051, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 75  
 Unbalance/tolerance = 0.007583, Iteration 1 converged  
 Saved as Output Step 42  
  
 STEP 467, INCREMENT = .000000, SUM = 0.073979, MAX = 0.080379  
 Frame 2096, Hinge 1, Dof PMM: Unloaded  
 Frame 2100, Hinge 1, Dof PMM: Unloaded  
  
 STEP 468, INCREMENT = -0.002677, SUM = 0.071302, MAX = 0.080379  
 Frame 2051, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 75  
 Unbalance/tolerance = 0.007610, Iteration 1 converged  
 Saved as Output Step 42  
  
 STEP 469, INCREMENT = 1.46E-05, SUM = 0.071316, MAX = 0.080379  
 Frame 2051, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 75  
 Frame 2096, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2100, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.007610, Iteration 1 converged  
 Saved as Output Step 42  
  
 STEP 470, INCREMENT = .000000, SUM = 0.071316, MAX = 0.080379  
 Frame 2096, Hinge 1, Dof PMM: Unloaded  
 Frame 2100, Hinge 1, Dof PMM: Unloaded  
  
 STEP 471, INCREMENT = -0.000595, SUM = 0.070722, MAX = 0.080379  
 Frame 2051, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.007611, Iteration 1 converged  
 Saved as Output Step 42  
  
 STEP 472, INCREMENT = 0.000595, SUM = 0.071316, MAX = 0.080379  
 Frame 2096, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2100, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.007613, Iteration 1 converged  
 Saved as Output Step 42  
  
 STEP 473, INCREMENT = 0.006783, SUM = 0.078100, MAX = 0.080379  
 Frame 2050, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Unbalance/tolerance = 0.007780, Iteration 1 converged  
 Saved as Output Step 42  
  
 STEP 474, INCREMENT = 0.002289, SUM = 0.080389, MAX = 0.080389

Unbalance/tolerance = 0.007796, Iteration 1 converged  
 Saved as Output Step 42

STEP 475, INCREMENT = 0.011529, SUM = 0.091918, MAX = 0.091918  
 Frame 2096, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 111

Unbalance/tolerance = 0.008277, Iteration 1 converged  
 Saved as Output Step 43

STEP 476, INCREMENT = .000000, SUM = 0.091918, MAX = 0.091918  
 Frame 2050, Hinge 1, Dof PMM: Unloaded  
 Frame 2097, Hinge 1, Dof PMM: Unloaded  
 Frame 2100, Hinge 1, Dof PMM: Unloaded

STEP 477, INCREMENT = -0.001600, SUM = 0.090318, MAX = 0.091918  
 Frame 2096, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 111

Unbalance/tolerance = 0.008288, Iteration 1 converged  
 Saved as Output Step 44

STEP 478, INCREMENT = .000000, SUM = 0.090318, MAX = 0.091918  
 Frame 2050, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2100, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

STEP 479, INCREMENT = 0.000171, SUM = 0.090489, MAX = 0.091918  
 Frame 2096, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 111  
 Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1

Unbalance/tolerance = 0.008288, Iteration 1 converged  
 Saved as Output Step 44

STEP 480, INCREMENT = .000000, SUM = 0.090489, MAX = 0.091918  
 Frame 2050, Hinge 1, Dof PMM: Unloaded  
 Frame 2097, Hinge 1, Dof PMM: Unloaded  
 Frame 2100, Hinge 1, Dof PMM: Unloaded

STEP 481, INCREMENT = -0.000355, SUM = 0.090133, MAX = 0.091918  
 Frame 2096, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.008288, Iteration 1 converged  
 Saved as Output Step 44

STEP 482, INCREMENT = 0.000336, SUM = 0.090469, MAX = 0.091918  
 Frame 2050, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 1  
 Frame 2100, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Unbalance/tolerance = 0.008289, Iteration 1 converged  
 Saved as Output Step 44

STEP 483, INCREMENT = 0.001459, SUM = 0.091928, MAX = 0.091928

Unbalance/tolerance = 0.008301, Iteration 1 converged  
 Saved as Output Step 44

STEP 484, INCREMENT = 0.013121, SUM = 0.105049, MAX = 0.105049  
 Frame 2056, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Frame 2057, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Unbalance/tolerance = 0.009315, Iteration 1 converged  
 Saved as Output Step 45

STEP 485, INCREMENT = 0.007991, SUM = 0.113039, MAX = 0.113039  
 Frame 2055, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Unbalance/tolerance = 0.009709, Iteration 1 converged  
 Saved as Output Step 45

STEP 486, INCREMENT = 0.012720, SUM = 0.125759, MAX = 0.125759

Frame 2100, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 111  
 Unbalance/tolerance = 0.010759, Iteration 1 converged  
 Saved as Output Step 45

STEP 487, INCREMENT = .000000, SUM = 0.125759, MAX = 0.125759

Frame 2050, Hinge 1, Dof PMM: Unloaded  
 Frame 2055, Hinge 1, Dof PMM: Unloaded  
 Frame 2056, Hinge 1, Dof PMM: Unloaded  
 Frame 2057, Hinge 1, Dof PMM: Unloaded  
 Frame 2097, Hinge 1, Dof PMM: Unloaded

STEP 488, INCREMENT = -0.007574, SUM = 0.118185, MAX = 0.125759

Frame 2100, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 111  
 Unbalance/tolerance = 0.011125, Iteration 1 converged  
 Saved as Output Step 46

STEP 489, INCREMENT = .000000, SUM = 0.118185, MAX = 0.125759

Frame 2050, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 121  
 Frame 2055, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2056, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 31  
 Frame 2057, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 42

STEP 490, INCREMENT = 0.000168, SUM = 0.118352, MAX = 0.125759

Frame 2100, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 111  
 Unbalance/tolerance = 0.011125, Iteration 1 converged  
 Saved as Output Step 46

STEP 491, INCREMENT = .000000, SUM = 0.118352, MAX = 0.125759

Frame 2050, Hinge 1, Dof PMM: Segment +BC, Changed Facet from 121 to 113  
 Frame 2055, Hinge 1, Dof PMM: Unloaded  
 Frame 2056, Hinge 1, Dof PMM: Unloaded  
 Frame 2057, Hinge 1, Dof PMM: Unloaded

STEP 492, INCREMENT = .000000, SUM = 0.118352, MAX = 0.125759

Frame 2050, Hinge 1, Dof PMM: Unloaded

STEP 493, INCREMENT = -0.001681, SUM = 0.116672, MAX = 0.125759

Frame 2100, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.011143, Iteration 1 converged  
 Saved as Output Step 46

STEP 494, INCREMENT = .000000, SUM = 0.116672, MAX = 0.125759

Frame 2050, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 112  
 Frame 2056, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2057, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 40

STEP 495, INCREMENT = 0.001474, SUM = 0.118145, MAX = 0.125759

Frame 2050, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 112  
 Frame 2055, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Unbalance/tolerance = 0.011162, Iteration 1 converged  
 Saved as Output Step 46

STEP 496, INCREMENT = .000000, SUM = 0.118145, MAX = 0.125759

Frame 2055, Hinge 1, Dof PMM: Unloaded  
 Frame 2056, Hinge 1, Dof PMM: Unloaded

Frame 2057, Hinge 1, Dof PMM: Unloaded  
 STEP 497, INCREMENT = -0.017277, SUM = 0.100868, MAX = 0.125759  
 Frame 2050, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 112  
 Unbalance/tolerance = 0.013744, Iteration 1 converged  
 Saved as Output Step 46  
 STEP 498, INCREMENT = 2.30E-05, SUM = 0.100891, MAX = 0.125759  
 Frame 2050, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 112  
 Unbalance/tolerance = 0.013744, Iteration 1 converged  
 Saved as Output Step 46  
 STEP 499, INCREMENT = -0.003828, SUM = 0.097063, MAX = 0.125759  
 Frame 2050, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.013874, Iteration 1 converged  
 Saved as Output Step 46  
 STEP 500, INCREMENT = 0.017434, SUM = 0.114498, MAX = 0.125759  
 Frame 2055, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 48  
 Frame 2056, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2057, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.016597, Iteration 1 converged  
 Saved as Output Step 46  
 STEP 501, INCREMENT = 0.010651, SUM = 0.125148, MAX = 0.125759  
 Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 30  
 Unbalance/tolerance = 0.017630, Iteration 1 converged  
 Saved as Output Step 46  
 STEP 502, INCREMENT = 0.000621, SUM = 0.125769, MAX = 0.125769  
 Unbalance/tolerance = 0.017633, Iteration 1 converged  
 Saved as Output Step 46  
 STEP 503, INCREMENT = 0.013364, SUM = 0.139133, MAX = 0.139133  
 Frame 2054, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2056, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Frame 2098, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.019272, Iteration 1 converged  
 Saved as Output Step 47  
 STEP 504, INCREMENT = .000000, SUM = 0.139133, MAX = 0.139133  
 Frame 2054, Hinge 1, Dof PMM: Unloaded  
 Frame 2055, Hinge 1, Dof PMM: Unloaded  
 Frame 2057, Hinge 1, Dof PMM: Unloaded  
 Frame 2097, Hinge 1, Dof PMM: Unloaded  
 Frame 2098, Hinge 1, Dof PMM: Unloaded  
 STEP 505, INCREMENT = -0.014731, SUM = 0.124402, MAX = 0.139133  
 Frame 2056, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39  
 Unbalance/tolerance = 0.021291, Iteration 1 converged  
 Saved as Output Step 48  
 STEP 506, INCREMENT = .000000, SUM = 0.124402, MAX = 0.139133  
 Frame 2055, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
 Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 113  
 STEP 507, INCREMENT = 2.77E-05, SUM = 0.124430, MAX = 0.139133  
 Frame 2056, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
 Unbalance/tolerance = 0.021291, Iteration 1 converged  
 Saved as Output Step 48

STEP 508, INCREMENT = .000000, SUM = 0.124430, MAX = 0.139133  
Frame 2055, Hinge 1, Dof PMM: Unloaded  
Frame 2097, Hinge 1, Dof PMM: Unloaded

STEP 509, INCREMENT = -0.003261, SUM = 0.121169, MAX = 0.139133  
Frame 2056, Hinge 1, Dof PMM: Ruptured  
Unbalance/tolerance = 0.021390, Iteration 1 converged  
Saved as Output Step 48

STEP 510, INCREMENT = 0.001183, SUM = 0.122352, MAX = 0.139133  
Frame 2055, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 112  
Unbalance/tolerance = 0.021403, Iteration 1 converged  
Saved as Output Step 48

STEP 511, INCREMENT = 0.004936, SUM = 0.127288, MAX = 0.139133  
Frame 2057, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
Unbalance/tolerance = 0.021631, Iteration 1 converged  
Saved as Output Step 48

STEP 512, INCREMENT = 0.004742, SUM = 0.132030, MAX = 0.139133  
Frame 2057, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
Frame 2098, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
Unbalance/tolerance = 0.021842, Iteration 1 converged  
Saved as Output Step 48

STEP 513, INCREMENT = .000000, SUM = 0.132030, MAX = 0.139133  
Frame 2055, Hinge 1, Dof PMM: Unloaded  
Frame 2097, Hinge 1, Dof PMM: Unloaded  
Frame 2098, Hinge 1, Dof PMM: Unloaded

STEP 514, INCREMENT = -0.001632, SUM = 0.130398, MAX = 0.139133  
Frame 2057, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120  
Unbalance/tolerance = 0.021867, Iteration 1 converged  
Saved as Output Step 48

STEP 515, INCREMENT = 2.44E-05, SUM = 0.130422, MAX = 0.139133  
Frame 2055, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
Frame 2057, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120  
Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
Frame 2098, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
Unbalance/tolerance = 0.021867, Iteration 1 converged  
Saved as Output Step 48

STEP 516, INCREMENT = .000000, SUM = 0.130422, MAX = 0.139133  
Frame 2055, Hinge 1, Dof PMM: Unloaded  
Frame 2097, Hinge 1, Dof PMM: Unloaded  
Frame 2098, Hinge 1, Dof PMM: Unloaded

STEP 517, INCREMENT = -0.000363, SUM = 0.130060, MAX = 0.139133  
Frame 2057, Hinge 1, Dof PMM: Ruptured  
Unbalance/tolerance = 0.021868, Iteration 1 converged  
Saved as Output Step 48

STEP 518, INCREMENT = 0.000227, SUM = 0.130287, MAX = 0.139133  
Frame 2055, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 120  
Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111



Frame 2098, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.021868, Iteration 1 converged  
 Saved as Output Step 48  
 STEP 519, INCREMENT = 0.002489, SUM = 0.132776, MAX = 0.139133  
 Frame 2055, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 120  
 Unbalance/tolerance = 0.021921, Iteration 1 converged  
 Saved as Output Step 48  
 STEP 520, INCREMENT = .000000, SUM = 0.132776, MAX = 0.139133  
 Frame 2097, Hinge 1, Dof PMM: Unloaded  
 Frame 2098, Hinge 1, Dof PMM: Unloaded  
 STEP 521, INCREMENT = -0.001830, SUM = 0.130946, MAX = 0.139133  
 Frame 2055, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 120  
 Unbalance/tolerance = 0.021949, Iteration 1 converged  
 Saved as Output Step 48  
 STEP 522, INCREMENT = 2.47E-05, SUM = 0.130971, MAX = 0.139133  
 Frame 2055, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 120  
 Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2098, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.021949, Iteration 1 converged  
 Saved as Output Step 48  
 STEP 523, INCREMENT = .000000, SUM = 0.130971, MAX = 0.139133  
 Frame 2097, Hinge 1, Dof PMM: Unloaded  
 Frame 2098, Hinge 1, Dof PMM: Unloaded  
 STEP 524, INCREMENT = -0.000406, SUM = 0.130565, MAX = 0.139133  
 Frame 2055, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.021951, Iteration 1 converged  
 Saved as Output Step 48  
 STEP 525, INCREMENT = 0.000375, SUM = 0.130940, MAX = 0.139133  
 Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Frame 2098, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.021952, Iteration 1 converged  
 Saved as Output Step 48  
 STEP 526, INCREMENT = 0.002066, SUM = 0.133006, MAX = 0.139133  
 Frame 2054, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 102  
 Unbalance/tolerance = 0.021985, Iteration 1 converged  
 Saved as Output Step 48  
 STEP 527, INCREMENT = 0.006137, SUM = 0.139143, MAX = 0.139143  
 Unbalance/tolerance = 0.022287, Iteration 1 converged  
 Saved as Output Step 48  
 STEP 528, INCREMENT = 0.013092, SUM = 0.152235, MAX = 0.152235  
 Frame 2054, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 102  
 Unbalance/tolerance = 0.023746, Iteration 1 converged  
 Saved as Output Step 49  
 STEP 529, INCREMENT = .000000, SUM = 0.152235, MAX = 0.152235  
 Frame 2097, Hinge 1, Dof PMM: Unloaded  
 Frame 2098, Hinge 1, Dof PMM: Unloaded  
 STEP 530, INCREMENT = -0.002093, SUM = 0.150142, MAX = 0.152235  
 Frame 2054, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 102  
 Unbalance/tolerance = 0.023785, Iteration 1 converged

saved as Output Step 50  
 STEP 531, INCREMENT = .000000, SUM = 0.150142, MAX = 0.152235  
 Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 40  
 Frame 2098, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
  
 STEP 532, INCREMENT = 2.52E-05, SUM = 0.150168, MAX = 0.152235  
 Frame 2054, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 102  
 Unbalance/tolerance = 0.023785, Iteration 1 converged  
 Saved as Output Step 50  
  
 STEP 533, INCREMENT = .000000, SUM = 0.150168, MAX = 0.152235  
 Frame 2097, Hinge 1, Dof PMM: Unloaded  
 Frame 2098, Hinge 1, Dof PMM: Unloaded  
  
 STEP 534, INCREMENT = -0.000465, SUM = 0.149703, MAX = 0.152235  
 Frame 2054, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.023787, Iteration 1 converged  
 Saved as Output Step 50  
  
 STEP 535, INCREMENT = .000000, SUM = 0.149703, MAX = 0.152235  
 Frame 2097, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
  
 STEP 536, INCREMENT = 0.000479, SUM = 0.150182, MAX = 0.152235  
 Frame 2098, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.023789, Iteration 1 converged  
 Saved as Output Step 50  
  
 STEP 537, INCREMENT = 0.002063, SUM = 0.152245, MAX = 0.152245  
 Frame 2097, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Unbalance/tolerance = 0.023828, Iteration 1 converged  
 Saved as Output Step 50  
  
 STEP 538, INCREMENT = .000000, SUM = 0.152245, MAX = 0.152245  
 Frame 2098, Hinge 1, Dof PMM: Unloaded  
  
 STEP 539, INCREMENT = -0.006033, SUM = 0.146212, MAX = 0.152245  
 Frame 2097, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39  
 Unbalance/tolerance = 0.024161, Iteration 1 converged  
 Saved as Output Step 51  
  
 STEP 540, INCREMENT = 0.000200, SUM = 0.146412, MAX = 0.152245  
 Frame 2097, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
 Frame 2098, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.024161, Iteration 1 converged  
 Saved as Output Step 51  
  
 STEP 541, INCREMENT = .000000, SUM = 0.146412, MAX = 0.152245  
 Frame 2098, Hinge 1, Dof PMM: Unloaded  
  
 STEP 542, INCREMENT = -0.001339, SUM = 0.145073, MAX = 0.152245  
 Frame 2097, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.024177, Iteration 1 converged  
 Saved as Output Step 51  
  
 STEP 543, INCREMENT = 0.001357, SUM = 0.146430, MAX = 0.152245  
 Frame 2098, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.024200, Iteration 1 converged  
 Saved as Output Step 51  
  
 STEP 544, INCREMENT = 0.005825, SUM = 0.152255, MAX = 0.152255

Unbalance/tolerance = 0.024625, Iteration 1 converged  
 Saved as Output Step 51

STEP 545, INCREMENT = 0.027865, SUM = 0.180120, MAX = 0.180120

Frame 2093, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2095, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Frame 2101, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.034549, Iteration 1 converged  
 Saved as Output Step 52

STEP 546, INCREMENT = 0.035985, SUM = 0.216105, MAX = 0.216105

Frame 2098, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39

Unbalance/tolerance = 0.051761, Iteration 1 converged  
 Saved as Output Step 52

STEP 547, INCREMENT = .000000, SUM = 0.216105, MAX = 0.216105

Frame 2093, Hinge 1, Dof PMM: Unloaded

Frame 2095, Hinge 1, Dof PMM: Unloaded

Frame 2101, Hinge 1, Dof PMM: Unloaded

STEP 548, INCREMENT = -0.013974, SUM = 0.202131, MAX = 0.216105

Frame 2098, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39

Unbalance/tolerance = 0.054419, Iteration 1 converged  
 Saved as Output Step 53

STEP 549, INCREMENT = .000000, SUM = 0.202131, MAX = 0.216105

Frame 2093, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 112

Frame 2095, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 113

Frame 2101, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

STEP 550, INCREMENT = 0.000214, SUM = 0.202345, MAX = 0.216105

Frame 2098, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39

Unbalance/tolerance = 0.054420, Iteration 1 converged  
 Saved as Output Step 53

STEP 551, INCREMENT = .000000, SUM = 0.202345, MAX = 0.216105

Frame 2093, Hinge 1, Dof PMM: Unloaded

Frame 2095, Hinge 1, Dof PMM: Unloaded

Frame 2101, Hinge 1, Dof PMM: Unloaded

STEP 552, INCREMENT = -0.003090, SUM = 0.199255, MAX = 0.216105

#Frame 2098, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.054549, Iteration 1 converged  
 Saved as Output Step 53

STEP 553, INCREMENT = .000000, SUM = 0.199255, MAX = 0.216105

Frame 2095, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 112

STEP 554, INCREMENT = 0.000541, SUM = 0.199796, MAX = 0.216105

Frame 2093, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Frame 2101, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Unbalance/tolerance = 0.054553, Iteration 1 converged  
 Saved as Output Step 53

STEP 555, INCREMENT = 0.016319, SUM = 0.216115, MAX = 0.216115

Unbalance/tolerance = 0.058354, Iteration 1 converged  
 Saved as Output Step 53

STEP 556, INCREMENT = 0.061188, SUM = 0.277302, MAX = 0.277302

Frame 2095, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 112

Frame 2102, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.113600, Iteration 1 converged  
 Saved as Output Step 54  
 STEP 557, INCREMENT = .000000, SUM = 0.277302, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Unloaded  
 Frame 2101, Hinge 1, Dof PMM: Unloaded  
 Frame 2102, Hinge 1, Dof PMM: Unloaded  
 STEP 558, INCREMENT = -0.030969, SUM = 0.246333, MAX = 0.277302  
 Frame 2095, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 112  
 Unbalance/tolerance = 0.129464, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 559, INCREMENT = .000000, SUM = 0.246333, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 42  
 Frame 2101, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 40  
 STEP 560, INCREMENT = 0.000372, SUM = 0.246705, MAX = 0.277302  
 Frame 2095, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 112  
 Unbalance/tolerance = 0.129466, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 561, INCREMENT = .000000, SUM = 0.246705, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Unloaded  
 Frame 2101, Hinge 1, Dof PMM: Unloaded  
 STEP 562, INCREMENT = -0.006801, SUM = 0.239904, MAX = 0.277302  
 Frame 2095, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.130193, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 563, INCREMENT = .000000, SUM = 0.239904, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 40  
 STEP 564, INCREMENT = 0.002663, SUM = 0.242567, MAX = 0.277302  
 Frame 2101, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.130391, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 565, INCREMENT = 0.016448, SUM = 0.259015, MAX = 0.277302  
 Frame 2101, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Unbalance/tolerance = 0.137976, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 566, INCREMENT = .000000, SUM = 0.259015, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Unloaded  
 STEP 567, INCREMENT = -0.010703, SUM = 0.248313, MAX = 0.277302  
 Frame 2101, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39  
 Unbalance/tolerance = 0.141228, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 568, INCREMENT = 0.000217, SUM = 0.248530, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2101, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
 Unbalance/tolerance = 0.141229, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 569, INCREMENT = .000000, SUM = 0.248530, MAX = 0.277302

Frame 2093, Hinge 1, Dof PMM: Unloaded  
 STEP 570, INCREMENT = -0.002371, SUM = 0.246159, MAX = 0.277302  
 Frame 2101, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.141388, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 571, INCREMENT = 0.002405, SUM = 0.248564, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.141543, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 572, INCREMENT = 0.015961, SUM = 0.264525, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Unbalance/tolerance = 0.148401, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 573, INCREMENT = -0.019508, SUM = 0.245016, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39  
 Unbalance/tolerance = 0.158777, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 574, INCREMENT = 0.000510, SUM = 0.245527, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
 Unbalance/tolerance = 0.158784, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 575, INCREMENT = -0.004316, SUM = 0.241211, MAX = 0.277302  
 Frame 2093, Hinge 1, Dof PMM: Ruptured  
 Unbalance/tolerance = 0.159286, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 576, INCREMENT = 0.022543, SUM = 0.263754, MAX = 0.277302  
 Frame 2092, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Frame 2102, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111  
 Unbalance/tolerance = 0.171964, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 577, INCREMENT = 0.006231, SUM = 0.269985, MAX = 0.277302  
 Frame 2094, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.172958, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 578, INCREMENT = 0.007327, SUM = 0.277312, MAX = 0.277312  
 Unbalance/tolerance = 0.174337, Iteration 1 converged  
 Saved as Output Step 55  
 STEP 579, INCREMENT = 0.033767, SUM = 0.311079, MAX = 0.311079  
 Frame 2094, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
 Frame 2099, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
 Unbalance/tolerance = 0.203717, Iteration 1 converged  
 Saved as Output Step 56  
 STEP 580, INCREMENT = 0.000000, SUM = 0.311079, MAX = 0.311079  
 Frame 2092, Hinge 1, Dof PMM: Unloaded  
 Frame 2099, Hinge 1, Dof PMM: Unloaded  
 Frame 2102, Hinge 1, Dof PMM: Unloaded  
 STEP 581, INCREMENT = -0.001758, SUM = 0.309321, MAX = 0.311079  
 Frame 2094, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39  
 Unbalance/tolerance = 0.203796, Iteration 1 converged  
 Saved as Output Step 57

STEP 582, INCREMENT = .000000, SUM = 0.309321, MAX = 0.311079  
Frame 2092, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 115  
Frame 2102, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 40

STEP 583, INCREMENT = 0.000531, SUM = 0.309852, MAX = 0.311079  
Frame 2094, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
Frame 2099, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
Unbalance/tolerance = 0.203804, Iteration 1 converged  
Saved as Output Step 57

STEP 584, INCREMENT = .000000, SUM = 0.309852, MAX = 0.311079  
Frame 2092, Hinge 1, Dof PMM: Unloaded  
Frame 2099, Hinge 1, Dof PMM: Unloaded  
Frame 2102, Hinge 1, Dof PMM: Unloaded

STEP 585, INCREMENT = -0.000390, SUM = 0.309462, MAX = 0.311079  
Frame 2094, Hinge 1, Dof PMM: Ruptured  
Unbalance/tolerance = 0.203808, Iteration 1 converged  
Saved as Output Step 57

STEP 586, INCREMENT = .000000, SUM = 0.309462, MAX = 0.311079  
Frame 2092, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 114  
Frame 2102, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

STEP 587, INCREMENT = 0.000571, SUM = 0.310033, MAX = 0.311079  
Frame 2099, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39  
Unbalance/tolerance = 0.203810, Iteration 1 converged  
Saved as Output Step 57

STEP 588, INCREMENT = 0.001057, SUM = 0.311089, MAX = 0.311089  
Unbalance/tolerance = 0.203819, Iteration 1 converged  
Saved as Output Step 57

STEP 589, INCREMENT = 0.038726, SUM = 0.349815, MAX = 0.349815  
Frame 2102, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39  
Unbalance/tolerance = 0.214662, Iteration 1 converged  
Saved as Output Step 58

STEP 590, INCREMENT = .000000, SUM = 0.349815, MAX = 0.349815  
Frame 2092, Hinge 1, Dof PMM: Unloaded  
Frame 2099, Hinge 1, Dof PMM: Unloaded

STEP 591, INCREMENT = -0.036579, SUM = 0.313236, MAX = 0.349815  
Frame 2102, Hinge 1, Dof PMM: Changed Segment from +CD to +DE, Facet 39  
Unbalance/tolerance = 0.225106, Iteration 1 converged  
Saved as Output Step 59

STEP 592, INCREMENT = .000000, SUM = 0.313236, MAX = 0.349815  
Frame 2092, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 112

STEP 593, INCREMENT = 0.000987, SUM = 0.314223, MAX = 0.349815  
Frame 2102, Hinge 1, Dof PMM: Changed Segment from +DE to +EF, Facet 39  
Unbalance/tolerance = 0.225114, Iteration 1 converged  
Saved as Output Step 59

STEP 594, INCREMENT = .000000, SUM = 0.314223, MAX = 0.349815  
Frame 2092, Hinge 1, Dof PMM: Unloaded

STEP 595, INCREMENT = -0.007698, SUM = 0.306525, MAX = 0.349815

Frame 2102, Hinge 1, Dof PMM: Ruptured

Unbalance/tolerance = 0.225550, Iteration 1 converged  
Saved as Output Step 59

STEP 596, INCREMENT = 0.007711, SUM = 0.314236, MAX = 0.349815

Frame 2092, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 112

Frame 2099, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 39

Unbalance/tolerance = 0.225899, Iteration 1 converged  
Saved as Output Step 59

STEP 597, INCREMENT = 0.035589, SUM = 0.349825, MAX = 0.349825

Unbalance/tolerance = 0.233492, Iteration 1 converged  
Saved as Output Step 59

STEP 598, INCREMENT = 0.017816, SUM = 0.367641, MAX = 0.367641

Frame 2103, Hinge 1, Dof PMM: Yielded, Segment +BC, Facet 111

Unbalance/tolerance = 0.235550, Iteration 1 converged  
Saved as Output Step 60

STEP 599, INCREMENT = 0.064807, SUM = 0.432448, MAX = 0.432448

Frame 2092, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 112

Frame 2099, Hinge 1, Dof PMM: Changed Segment from +BC to +CD, Facet 39

Unbalance/tolerance = 0.264292, Iteration 1 converged  
Saved as Output Step 60

TOTAL NUMBER OF CONVERGED STEPS SAVED	=	60
TOTAL NUMBER OF CONVERGED STEPS NOT SAVED	=	334
TOTAL NUMBER OF NULL STEPS	=	205
		-----
TOTAL NUMBER OF ALL STEPS	=	599
TOTAL NUMBER OF ITERATIONS CONVERGED	=	394
TOTAL NUMBER OF ITERATIONS DISCARDED	=	205
FOR CONVERGED STEPS ONLY:		
AVERAGE NUMBER OF ITERATIONS PER STEP	=	1.00
MAXIMUM NUMBER OF ITERATIONS PER STEP	=	1
TIME FOR INITIALIZING ANALYSIS	=	0.81
TIME FOR CONTROLLING ANALYSIS	=	105.38
TIME FOR FORMING STIFFNESS MATRIX	=	153.62
TIME FOR SOLVING STIFFNESS MATRIX	=	3291.69
TIME FOR CALCULATING DISPLACEMENTS	=	56.09
TIME FOR DETERMINING EVENTS	=	33.14
TIME FOR UPDATING STATE	=	133.85
		-----
TOTAL TIME FOR THIS ANALYSIS	=	3774.58

ANALYSIS COMPLETE

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