

Příloha č. 1 – Výstup výpočetního programu ANSYS

Solver Output

Ansys Mechanical Enterprise Academic Research

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-----*
| W E L C O M E   T O   T H E   A N S Y S ( R )   P R O G R A M |
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*****
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2023 R1

Point Releases and Patches installed:

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ANSYS, Inc. License Manager 2023 R1
Discovery 2023 R1
SpaceClaim 2023 R1
Autodyn 2023 R1
LS-DYNA 2023 R1
optiSLang 2023 R1
Additive 2023 R1
Customization Files for User Programmable Features 2023 R1
Mechanical Products 2023 R1
Material Calibration App 2023 R1
Remote Solve Manager Standalone Services 2023 R1
Viewer 2023 R1
ACIS Geometry Interface 2023 R1
AutoCAD Geometry Interface 2023 R1
Catia, Version 4 Geometry Interface 2023 R1
Catia, Version 5 Geometry Interface 2023 R1
Catia, Version 6 Geometry Interface 2023 R1
Creo Elements/Direct Modeling Geometry Interface 2023 R1
Creo Parametric Geometry Interface 2023 R1
Inventor Geometry Interface 2023 R1
JTOpen Geometry Interface 2023 R1
NX Geometry Interface 2023 R1
Parasolid Geometry Interface 2023 R1
Solid Edge Geometry Interface 2023 R1
SOLIDWORKS Geometry Interface 2023 R1

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***** MAPDL COMMAND LINE ARGUMENTS *****
BATCH MODE REQUESTED (-b) = NOLIST
INPUT FILE COPY MODE (-c) = COPY
DISTRIBUTED MEMORY PARALLEL REQUESTED
4 PARALLEL PROCESSES REQUESTED WITH SINGLE THREAD PER PROCESS
TOTAL OF 4 CORES REQUESTED
INPUT FILE NAME = C:\Users\janin\Desktop\DP_ProjectScratch\Scr3374\dummy.dat
OUTPUT FILE NAME = C:\Users\janin\Desktop\DP_ProjectScratch\Scr3374\solve.out
START-UP FILE MODE = NOREAD
STOP FILE MODE = NOREAD

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RELEASE= 2023 R1 BUILD= 23.1 UP20221128 VERSION=WINDOWS x64
CURRENT JOBNAME=file0 20:39:32 JAN 04, 2024 CP= 0.000

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PARAMETER _DS_PROGRESS = 999.0000000

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/INPUT FILE= ds.dat  LINE=      0

*** NOTE ***                      CP =      0.047  TIME= 20:39:32
The /CONFIG,NOELDB command is not valid in a distributed memory
parallel solution.  Command is ignored.

*GET  _WALLSTRT FROM ACTI  ITEM=TIME WALL  VALUE= 20.6588889

TITLE=
model2--Transient Thermal (B4)

ACT Extensions:
  LSDYNA, 2023.1
  5f463412-bd3e-484b-87e7-cbc0a665e474, wbex
/COM,    ANSYSMotion, 2023.1
  20180725-3f81-49eb-9f31-41364844c769, wbex

SET PARAMETER DIMENSIONS ON  _WB_PROJECTSCRATCH_DIR
TYPE=STRI  DIMENSIONS=      248      1      1

PARAMETER  _WB_PROJECTSCRATCH_DIR(1) = C:\Users\janin\Desktop\DP\_ProjectScratch\Scr3374\

SET PARAMETER DIMENSIONS ON  _WB_SOLVERFILES_DIR
TYPE=STRI  DIMENSIONS=      248      1      1

PARAMETER  _WB_SOLVERFILES_DIR(1) = C:\Users\janin\Desktop\DP\model2_files\dp0\SYS\MECH\

SET PARAMETER DIMENSIONS ON  _WB_USERFILES_DIR
TYPE=STRI  DIMENSIONS=      248      1      1

PARAMETER  _WB_USERFILES_DIR(1) = C:\Users\janin\Desktop\DP\model2_files\user_files\
--- Data in consistent MKS units. See Solving Units in the help system for more

MKS UNITS SPECIFIED FOR INTERNAL
LENGTH      (l) = METER (M)
MASS        (M) = KILOGRAM (KG)
TIME        (t) = SECOND (SEC)
TEMPERATURE (T) = CELSIUS (C)
TOFFSET     = 273.0
CHARGE      (Q) = COULOMB
FORCE       (f) = NEWTON (N) (KG-M/SEC2)
HEAT        = JOULE (N-M)

PRESSURE    = PASCAL (NEWTON/M**2)
ENERGY      (W) = JOULE (N-M)
POWER       (P) = WATT (N-M/SEC)
CURRENT     (i) = AMPERE (COULOMBS/SEC)
CAPACITANCE (C) = FARAD
INDUCTANCE  (L) = HENRY
MAGNETIC FLUX = WEBBER
RESISTANCE  (R) = OHM
ELECTRIC POTENTIAL = VOLT

INPUT UNITS ARE ALSO SET TO MKS

*** MAPDL - ENGINEERING ANALYSIS SYSTEM  RELEASE 2023 R1      23.1      ***
Ansys Mechanical Enterprise Academic Research
00444065  VERSION=WINDOWS x64  20:39:32  JAN 04, 2024 CP=    0.062

model2--Transient Thermal (B4)

***** MAPDL ANALYSIS DEFINITION (PREP7) *****
***** Nodes for the whole assembly *****
***** Elements for Body 1 "SYS\T_leso" *****
***** Elements for Body 2 "SYS\T_leso" *****
***** Elements for Body 3 "SYS\T_leso" *****
***** Elements for Body 4 "SYS\T_leso" *****
***** Elements for Body 5 "SYS\T_leso" *****
***** Elements for Body 6 "SYS\T_leso" *****
***** Elements for Body 7 "SYS\T_leso" *****
***** Elements for Body 8 "SYS\T_leso" *****
***** Elements for Body 9 "SYS\T_leso" *****
***** Elements for Body 10 "SYS\T_leso" *****
***** Elements for Body 11 "SYS\T_leso" *****
***** Elements for Body 12 "SYS\T_leso" *****
***** Elements for Body 13 "SYS\tr_m1" *****
***** Elements for Body 14 "SYS\tr_m2" *****
***** Elements for Body 15 "SYS\tr_m3" *****
***** Elements for Body 16 "SYS\Solid" *****
***** Elements for Body 17 "SYS\Solid" *****
***** Elements for Body 18 "SYS\Solid" *****
***** Elements for Body 19 "SYS\Solid" *****
***** Elements for Body 20 "SYS\Solid" *****
***** Elements for Body 21 "SYS\Solid" *****
***** Elements for Body 22 "SYS\Solid" *****
***** Send User Defined Coordinate System(s) *****
***** Send Materials *****
***** Create Contact "Contact Region" *****
Real Constant Set For Above Contact Is 24 & 23
***** Create Contact "Contact Region 2" *****
Real Constant Set For Above Contact Is 26 & 25
***** Create Contact "Contact Region 3" *****
Real Constant Set For Above Contact Is 28 & 27
***** Create Contact "Contact Region 4" *****
Real Constant Set For Above Contact Is 30 & 29
***** Create Contact "Contact Region 5" *****
Real Constant Set For Above Contact Is 32 & 31
***** Create Contact "Contact Region 6" *****
Real Constant Set For Above Contact Is 34 & 33
***** Create Contact "Contact Region 7" *****
Real Constant Set For Above Contact Is 36 & 35
***** Create Contact "Contact Region 8" *****
Real Constant Set For Above Contact Is 38 & 37
***** Create Contact "Contact Region 9" *****
Real Constant Set For Above Contact Is 40 & 39
***** Create "Convection" *****

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***** Create "ToAmbient" Radiation *****
***** Define Uniform Initial temperature *****

**** ROUTINE COMPLETED **** CP =      5.703

--- Number of total nodes = 766032
--- Number of contact elements = 110058
--- Number of spring elements = 0
--- Number of bearing elements = 0
--- Number of solid elements = 503565
--- Number of condensed parts = 0
--- Number of total elements = 613623

*GET _WALLBSOL FROM ACTI ITEM=TIME WALL VALUE= 20.6597222
*****
***** SOLUTION *****
*****

**** MAPDL SOLUTION ROUTINE ****

PERFORM A TRANSIENT ANALYSIS
THIS WILL BE A NEW ANALYSIS

STEP BOUNDARY CONDITION KEY= 1

CONTACT INFORMATION PRINTOUT LEVEL      1

DO NOT SAVE ANY RESTART FILES AT ALL

DO NOT COMBINE ELEMENT MATRIX FILES (.emat) AFTER DISTRIBUTED PARALLEL SOLUTION

DO NOT COMBINE ELEMENT SAVE DATA FILES (.esav) AFTER DISTRIBUTED PARALLEL SOLUTION

Use Full Nonlinear Thermal Transient Solution

NLHIST: ADDED NODAL RESULTS HISTORY FOR:
  NAME = MAX_TEMP
  ITEM/COMP = TEMPMAX
  NODE =      0

NLHIST: ADDED NODAL RESULTS HISTORY FOR:
  NAME = MIN_TEMP
  ITEM/COMP = TEMPMIN
  NODE =      0

***** Initial Time Increment Check And Fourier Modulus *****
Specified Initial Time Increment: 5
Estimated Increment Needed, le*le/alpha, Body 1: 0.530672
Estimated Increment Needed, le*le/alpha, Body 2: 0.530672
Estimated Increment Needed, le*le/alpha, Body 3: 0.530672
Estimated Increment Needed, le*le/alpha, Body 4: 0.530672
Estimated Increment Needed, le*le/alpha, Body 5: 0.530672
Estimated Increment Needed, le*le/alpha, Body 6: 0.530672
Estimated Increment Needed, le*le/alpha, Body 7: 0.530672
Estimated Increment Needed, le*le/alpha, Body 8: 0.530672
Estimated Increment Needed, le*le/alpha, Body 9: 0.530672
Estimated Increment Needed, le*le/alpha, Body 10: 0.530672
Estimated Increment Needed, le*le/alpha, Body 11: 0.530672
Estimated Increment Needed, le*le/alpha, Body 12: 0.530672
Estimated Increment Needed, le*le/alpha, Body 13: 209.93
Estimated Increment Needed, le*le/alpha, Body 14: 185.042
Estimated Increment Needed, le*le/alpha, Body 15: 179.253
Estimated Increment Needed, le*le/alpha, Body 16: 30.6806
Estimated Increment Needed, le*le/alpha, Body 17: 44.8316
Estimated Increment Needed, le*le/alpha, Body 18: 44.997
Estimated Increment Needed, le*le/alpha, Body 19: 44.4821
Estimated Increment Needed, le*le/alpha, Body 20: 44.6437
Estimated Increment Needed, le*le/alpha, Body 21: 44.2508
Estimated Increment Needed, le*le/alpha, Body 22: 23.3562
*****
***** SOLVE FOR LS 1 OF 1 *****

SELECT      FOR ITEM=TYPE COMPONENT=
IN RANGE   41 TO      41 STEP      1

      31849 ELEMENTS (OF      613623 DEFINED) SELECTED BY ESEL COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      65320 NODES (OF      766032 DEFINED) SELECTED FROM
      31849 SELECTED ELEMENTS BY NSLE COMMAND.

GENERATE SURFACE LOAD CONV ON SURFACE DEFINED BY ALL SELECTED NODES
VALUES= 25.0000000 _LOADVARI104

NUMBER OF CONV ELEMENT FACE LOADS STORED =      31849

ALL SELECT  FOR ITEM=NODE COMPONENT=
IN RANGE   1 TO      766032 STEP      1

      766032 NODES (OF      766032 DEFINED) SELECTED BY NSEL COMMAND.

ALL SELECT  FOR ITEM=ELEM COMPONENT=
IN RANGE   1 TO      1302054 STEP      1

      613623 ELEMENTS (OF      613623 DEFINED) SELECTED BY ESEL COMMAND.

SPECIFIED CONSTRAINT TEMP FOR PICKED NODES
SET ACCORDING TO TABLE PARAMETER = _LOADVARI102

PRINTOUT RESUMED BY /GOP

DO NOT USE AUTOMATIC TIME STEPPING THIS LOAD STEP

USE INITIAL TIME STEP SIZE OF 5.000000 FOR ALL DEGREES OF FREEDOM
FOR AUTOMATIC TIME STEPPING:
  USE 5.000000 AS THE MINIMUM TIME STEP SIZE
  USE 5.000000 AS THE MAXIMUM TIME STEP SIZE

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TIME= 1800.0

INCLUDE TRANSIENT EFFECTS FOR ALL DEGREES OF FREEDOM THIS LOAD STEP

ERASE THE CURRENT DATABASE OUTPUT CONTROL TABLE.

WRITE ALL ITEMS TO THE DATABASE WITH A FREQUENCY OF NONE
FOR ALL APPLICABLE ENTITIES

WRITE NSOL ITEMS TO THE DATABASE WITH A FREQUENCY OF ALL
FOR ALL APPLICABLE ENTITIES

WRITE RSOL ITEMS TO THE DATABASE WITH A FREQUENCY OF ALL
FOR ALL APPLICABLE ENTITIES

WRITE EANG ITEMS TO THE DATABASE WITH A FREQUENCY OF ALL
FOR ALL APPLICABLE ENTITIES

WRITE VENG ITEMS TO THE DATABASE WITH A FREQUENCY OF ALL
FOR ALL APPLICABLE ENTITIES

WRITE FFLU ITEMS TO THE DATABASE WITH A FREQUENCY OF ALL
FOR ALL APPLICABLE ENTITIES

WRITE CONT ITEMS TO THE DATABASE WITH A FREQUENCY OF ALL
FOR ALL APPLICABLE ENTITIES

PRINTOUT RESUMED BY /GOP

WRITE MISC ITEMS TO THE DATABASE WITH A FREQUENCY OF ALL
FOR THE ENTITIES DEFINED BY COMPONENT _ELMISC

CONVERGENCE ON HEAT BASED ON THE NORM OF THE N-R LOAD
WITH A TOLERANCE OF 0.1000E-02 AND A MINIMUM REFERENCE VALUE OF 0.1000E-05
USING THE L2 NORM (CHECK THE SRSS VALUE)

*GET ANSINTER_ FROM ACTI ITEM=INT VALUE= 0.00000000

*IF ANSINTER_ ( = 0.00000 ) NE
0 ( = 0.00000 ) THEN

*ENDIF

*** NOTE *** CP = 7.500 TIME= 20:39:36
The automatic domain decomposition logic has selected the MESH domain
decomposition method with 4 processes per solution.

**** MAPDL SOLVE COMMAND ****

*** WARNING *** CP = 7.656 TIME= 20:39:36
Element shape checking is currently inactive. Issue SHPP,ON or
SHPP,WARN to reactivate, if desired.

*** NOTE *** CP = 8.453 TIME= 20:39:36
The model data was checked and warning messages were found.
Please review output or errors file (
C:\Users\janin\Desktop\DP\_ProjectScratch\Scr3374\file0.err ) for
these warning messages.

*** MAPDL - ENGINEERING ANALYSIS SYSTEM RELEASE 2023 R1 23.1 ***
Ansys Mechanical Enterprise Academic Research
00444065 VERSION=WINDOWS x64 20:39:36 JAN 04, 2024 CP= 8.547

model2--Transient Thermal (B4)

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SOLUTION OPTIONS

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PROBLEM DIMENSIONALITY. . . . .3-D
DEGREES OF FREEDOM. . . . .TEMP
ANALYSIS TYPE . . . . .TRANSIENT
SOLUTION METHOD. . . . .FULL
OFFSET TEMPERATURE FROM ABSOLUTE ZERO . . . . .273.15
NEWTON-RAPHSON OPTION . . . . .PROGRAM CHOSEN
GLOBALLY ASSEMBLED MATRIX . . . . .SYMMETRIC

*** WARNING *** CP = 8.672 TIME= 20:39:37
Material 13 has a zero DENS at temperature 1200.

*** WARNING *** CP = 8.672 TIME= 20:39:37
Material 14 has a zero DENS at temperature 1200.

*** WARNING *** CP = 8.672 TIME= 20:39:37
Material 15 has a zero DENS at temperature 1200.

*** NOTE *** CP = 9.172 TIME= 20:39:37
The step data was checked and warning messages were found.
Please review output or errors file (
C:\Users\janin\Desktop\DP\_ProjectScratch\Scr3374\file0.err ) for
these warning messages.

*** NOTE *** CP = 9.172 TIME= 20:39:37
This nonlinear analysis defaults to using the full Newton-Raphson
solution procedure. This can be modified using the NROPT command.

*** NOTE *** CP = 9.172 TIME= 20:39:37
The conditions for direct assembly have been met. No .emat or .erot
files will be produced.

*** NOTE *** CP = 12.000 TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 23 and contact element type 23 has been set up. The
companion pair has real constant set ID 24. Both pairs should have
the same behavior.
*WARNING*: The contact pairs have similar mesh patterns which can cause
overconstraint. MAPDL will deactivate the current pair and keep its
companion pair.
Pure thermal contact is activated.
The emissivity is defined through the material property.

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Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.10557E-01
Average contact pair depth          0.82127E-02
Average target surface length       0.10496E-01
Default pinball region factor PINB  0.25000
The resulting pinball region        0.20532E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Max. Initial penetration 0 was detected between contact element
1193812 and target element 1197487.
*****

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 24 and contact element type 23 has been set up. The
companion pair has real constant set ID 23. Both pairs should have
the same behavior.
MAPDL will keep the current pair and deactivate its companion pair,
resulting in asymmetric contact.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.10557E-01
Average contact pair depth          0.83010E-02
Average target surface length       0.10496E-01
Default pinball region factor PINB  0.25000
The resulting pinball region        0.20753E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Max. Initial penetration 0 was detected between contact element
1195627 and target element 1192138.
*****

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 25 and contact element type 25 has been set up. The
companion pair has real constant set ID 26. Both pairs should have
the same behavior.
*WARNING*: The contact pairs have similar mesh patterns which can cause
overconstraint. MAPDL will deactivate the current pair and keep its
companion pair.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.10537E-01
Average contact pair depth          0.83229E-02
Average target surface length       0.10479E-01
Default pinball region factor PINB  0.25000
The resulting pinball region        0.20807E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Max. Initial penetration 0 was detected between contact element
1201073 and target element 1204780.
*****

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 26 and contact element type 25 has been set up. The
companion pair has real constant set ID 25. Both pairs should have
the same behavior.
MAPDL will keep the current pair and deactivate its companion pair,
resulting in asymmetric contact.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.10537E-01
Average contact pair depth          0.82955E-02
Average target surface length       0.10479E-01
Default pinball region factor PINB  0.25000
The resulting pinball region        0.20739E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                CP =      12.000    TIME= 20:39:39

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Max. Initial penetration 0 was detected between contact element
1202889 and target element 1199490.

*** NOTE *** CP = 12.000 TIME= 20:39:39

Symmetric Deformable- deformable contact pair identified by real
constant set 27 and contact element type 27 has been set up. The
companion pair has real constant set ID 28. Both pairs should have
the same behavior.

WARNING: The contact pairs have similar mesh patterns which can cause
overconstraint. MAPDL will deactivate the current pair and keep its
companion pair.

Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.

Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length 0.10555E-01
Average contact pair depth 0.83295E-02
Average target surface length 0.10501E-01
Default pinball region factor PINB 0.25000
The resulting pinball region 0.20824E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE *** CP = 12.000 TIME= 20:39:39

Max. Initial penetration 0 was detected between contact element
1208325 and target element 1212023.

*** NOTE *** CP = 12.000 TIME= 20:39:39

Symmetric Deformable- deformable contact pair identified by real
constant set 28 and contact element type 27 has been set up. The
companion pair has real constant set ID 27. Both pairs should have
the same behavior.

MAPDL will keep the current pair and deactivate its companion pair,
resulting in asymmetric contact.

Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.

Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length 0.10555E-01
Average contact pair depth 0.82594E-02
Average target surface length 0.10501E-01
Default pinball region factor PINB 0.25000
The resulting pinball region 0.20649E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE *** CP = 12.000 TIME= 20:39:39

Max. Initial penetration 0 was detected between contact element
1210129 and target element 1207580.

*** NOTE *** CP = 12.000 TIME= 20:39:39

Symmetric Deformable- deformable contact pair identified by real
constant set 29 and contact element type 29 has been set up. The
companion pair has real constant set ID 30. Both pairs should have
the same behavior.

WARNING: The contact pairs have similar mesh patterns. MAPDL will
keep the current pair and deactivate its companion pair.

Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.

Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length 0.98529E-02
Average contact pair depth 0.78401E-02
Average target surface length 0.98111E-02
Default pinball region factor PINB 0.25000
The resulting pinball region 0.19600E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE *** CP = 12.000 TIME= 20:39:39

Max. Initial penetration 5.400000058E-09 was detected between contact
element 1214904 and target element 1217542.

*** NOTE *** CP = 12.000 TIME= 20:39:39

Symmetric Deformable- deformable contact pair identified by real
constant set 30 and contact element type 29 has been set up. The
companion pair has real constant set ID 29. Both pairs should have
the same behavior.

MAPDL will deactivate the current pair and keep its companion pair,
resulting in asymmetric contact.

Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation

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for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.98529E-02
Average contact pair depth          0.79330E-02
Average target surface length       0.98111E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19832E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                      CP =      12.000   TIME= 20:39:39
Max. Initial penetration 5.400000003E-09 was detected between contact
element 1216476 and target element 1214354.
*****

*** NOTE ***                      CP =      12.000   TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 31 and contact element type 31 has been set up. The
companion pair has real constant set ID 32. Both pairs should have
the same behavior.
*WARNING*: The contact pairs have similar mesh patterns which can cause
overconstraint. MAPDL will deactivate the current pair and keep its
companion pair.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.98053E-02
Average contact pair depth          0.78672E-02
Average target surface length       0.97555E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19668E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                      CP =      12.000   TIME= 20:39:39
Max. Initial penetration 2.400000032E-09 was detected between contact
element 1219641 and target element 1221837.
*****

*** NOTE ***                      CP =      12.000   TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 32 and contact element type 31 has been set up. The
companion pair has real constant set ID 31. Both pairs should have
the same behavior.
MAPDL will keep the current pair and deactivate its companion pair,
resulting in asymmetric contact.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.98053E-02
Average contact pair depth          0.76558E-02
Average target surface length       0.97555E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19140E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                      CP =      12.000   TIME= 20:39:39
Max. Initial penetration 2.399999977E-09 was detected between contact
element 1220804 and target element 1218608.
*****

*** NOTE ***                      CP =      12.000   TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 33 and contact element type 33 has been set up. The
companion pair has real constant set ID 34. Both pairs should have
the same behavior.
*WARNING*: The contact pairs have similar mesh patterns. MAPDL will
keep the current pair and deactivate its companion pair.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.98447E-02
Average contact pair depth          0.77062E-02
Average target surface length       0.98038E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19266E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                      CP =      12.000   TIME= 20:39:39
Max. Initial penetration 3.566666629E-09 was detected between contact
element 1223700 and target element 1225312.
*****

```



```

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 34 and contact element type 33 has been set up. The
companion pair has real constant set ID 33. Both pairs should have
the same behavior.
MAPDL will deactivate the current pair and keep its companion pair,
resulting in asymmetric contact.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.98447E-02
Average contact pair depth          0.79755E-02
Average target surface length       0.98038E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19939E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

```

```

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Max. Initial penetration 3.566668849E-09 was detected between contact
element 1224960 and target element 1222006.
*****

```

```

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 35 and contact element type 35 has been set up. The
companion pair has real constant set ID 36. Both pairs should have
the same behavior.
*WARNING*: The contact pairs have similar mesh patterns. MAPDL will
keep the current pair and deactivate its companion pair.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.98103E-02
Average contact pair depth          0.77467E-02
Average target surface length       0.97590E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19367E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

```

```

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Max. Initial penetration 4.366666695E-09 was detected between contact
element 1228065 and target element 1229391.
*****

```

```

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 36 and contact element type 35 has been set up. The
companion pair has real constant set ID 35. Both pairs should have
the same behavior.
MAPDL will deactivate the current pair and keep its companion pair,
resulting in asymmetric contact.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.98103E-02
Average contact pair depth          0.78634E-02
Average target surface length       0.97590E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19658E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

```

```

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Max. Initial penetration 4.366666695E-09 was detected between contact
element 1228357 and target element 1227031.
*****

```

```

*** NOTE ***                CP =      12.000    TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 37 and contact element type 37 has been set up. The
companion pair has real constant set ID 38. Both pairs should have
the same behavior.
*WARNING*: The contact pairs have similar mesh patterns. MAPDL will
keep the current pair and deactivate its companion pair.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length      0.98580E-02

```

```

Average contact pair depth          0.76376E-02
Average target surface length       0.98174E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19094E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                      CP =      12.000  TIME= 20:39:39
Max. Initial penetration 2.619999995E-08 was detected between contact
element 1232070 and target element 1233308.
You may move entire target surface by : x= 2.619999995E-08, y=
7.614203665E-22, z= -1.398416396E-21, to reduce initial penetration.
*****

*** NOTE ***                      CP =      12.000  TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 38 and contact element type 37 has been set up. The
companion pair has real constant set ID 37. Both pairs should have
the same behavior.
MAPDL will deactivate the current pair and keep its companion pair,
resulting in asymmetric contact.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length       0.98580E-02
Average contact pair depth          0.79090E-02
Average target surface length       0.98174E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19773E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                      CP =      12.000  TIME= 20:39:39
Max. Initial penetration 2.619999995E-08 was detected between contact
element 1232287 and target element 1231049.
You may move entire target surface by : x= -2.619999995E-08, y=
6.033933436E-22, z= -3.879405373E-22, to reduce initial penetration.
*****

*** NOTE ***                      CP =      12.000  TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 39 and contact element type 39 has been set up. The
companion pair has real constant set ID 40. Both pairs should have
the same behavior.
*WARNING*: The contact pairs have similar mesh patterns which can cause
overconstraint. MAPDL will deactivate the current pair and keep its
companion pair.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length       0.97962E-02
Average contact pair depth          0.77865E-02
Average target surface length       0.97607E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19466E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                      CP =      12.000  TIME= 20:39:39
Max. Initial penetration 2.150000022E-08 was detected between contact
element 1235884 and target element 1237643.
You may move entire target surface by : x= 2.150000022E-08, y= 0, z=
0, to reduce initial penetration.
*****

*** NOTE ***                      CP =      12.000  TIME= 20:39:39
Symmetric Deformable- deformable contact pair identified by real
constant set 40 and contact element type 39 has been set up. The
companion pair has real constant set ID 39. Both pairs should have
the same behavior.
MAPDL will keep the current pair and deactivate its companion pair,
resulting in asymmetric contact.
Pure thermal contact is activated.
The emissivity is defined through the material property.
Thermal convection coefficient, environment temperature, and
heat flux are defined using the SFE command.
Target temperature is used for convection/radiation calculation
for near field contact.
Small sliding logic is assumed
Contact detection at: Gauss integration point
Average contact surface length       0.97962E-02
Average contact pair depth          0.77159E-02
Average target surface length       0.97607E-02
Default pinball region factor PINB  0.25000
The resulting pinball region        0.19290E-02
Initial penetration/gap is excluded.
Bonded contact (always) is defined.
Thermal contact conductance coef. TCC 0.43104E+06
Heat radiation is excluded.

*** NOTE ***                      CP =      12.000  TIME= 20:39:39
Max. Initial penetration 2.149999978E-08 was detected between contact

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element 1236619 and target element 1234860.
 You may move entire target surface by : x= -2.149999978E-08, y= 7.043676447E-23, z= 1.274150371E-21, to reduce initial penetration.

D I S T R I B U T E D D O M A I N D E C O M P O S E R

...Number of elements: 613623
 ...Number of nodes: 766032
 ...Decompose to 4 CPU domains
 ...Element load balance ratio = 1.045

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

LOAD STEP NUMBER. 1
 TIME AT END OF THE LOAD STEP. 1800.0
 TIME STEP SIZE. 5.0000
 MAXIMUM NUMBER OF EQUILIBRIUM ITERATIONS. 15
 STEP CHANGE BOUNDARY CONDITIONS YES
 TRANSIENT (INERTIA) EFFECTS
 THERMAL DOFS ON
 TRANSIENT INTEGRATION PARAMETERS
 THETA. 1.0000
 OSCILLATION LIMIT CRITERION. 0.50000
 TOLERANCE. 0.0000
 TERMINATE ANALYSIS IF NOT CONVERGED YES (EXIT)
 CONVERGENCE CONTROLS

LABEL	REFERENCE	TOLERANCE	NORM	MINREF
HEAT	0.000	0.1000E-02	Z	0.1000E-05

 PRINT OUTPUT CONTROLS NO PRINTOUT
 DATABASE OUTPUT CONTROLS

ITEM	FREQUENCY	COMPONENT
ALL	NONE	
NSOL	ALL	
RSOL	ALL	
EANG	ALL	
VENG	ALL	
FFLU	ALL	
CONT	ALL	
MISC	ALL	_ELMISC

*** NOTE *** CP = 18.188 TIME= 20:39:44
 The initial memory allocation (-m) has been exceeded.
 Supplemental memory allocations are being used.

SOLUTION MONITORING INFO IS WRITTEN TO FILE=
 file.mntr

*** NOTE *** CP = 18.641 TIME= 20:39:44
 Symmetric Deformable- deformable contact pair identified by real constant set 35 and contact element type 35 has been set up. The companion pair has real constant set ID 36. Both pairs should have the same behavior.
 MAPDL will keep the current pair and deactivate its companion pair, resulting in asymmetric contact.
 Pure thermal contact is activated.
 The emissivity is defined through the material property.
 Thermal convection coefficient, environment temperature, and heat flux are defined using the SFE command.
 Target temperature is used for convection/radiation calculation for near field contact.
 Small sliding logic is assumed
 Contact detection at: Gauss integration point
 Average contact surface length 0.98103E-02
 Average contact pair depth 0.77467E-02
 Average target surface length 0.97590E-02
 Default pinball region factor PINB 0.25000
 The resulting pinball region 0.19367E-02
 Initial penetration/gap is excluded.
 Bonded contact (always) is defined.
 Thermal contact conductance coef. TCC 0.43104E+06
 Heat radiation is excluded.

*** NOTE *** CP = 18.641 TIME= 20:39:44
 Max. Initial penetration 4.366666695E-09 was detected between contact element 1228065 and target element 1229391.

*** NOTE *** CP = 18.641 TIME= 20:39:44
 Symmetric Deformable- deformable contact pair identified by real constant set 36 and contact element type 35 has been set up. The companion pair has real constant set ID 35. Both pairs should have the same behavior.
 MAPDL will deactivate the current pair and keep its companion pair, resulting in asymmetric contact.
 Pure thermal contact is activated.
 The emissivity is defined through the material property.
 Thermal convection coefficient, environment temperature, and heat flux are defined using the SFE command.
 Target temperature is used for convection/radiation calculation for near field contact.
 Small sliding logic is assumed
 Contact detection at: Gauss integration point
 Average contact surface length 0.98103E-02
 Average contact pair depth 0.78634E-02
 Average target surface length 0.97590E-02
 Default pinball region factor PINB 0.25000
 The resulting pinball region 0.19658E-02
 Initial penetration/gap is excluded.
 Bonded contact (always) is defined.
 Thermal contact conductance coef. TCC 0.43104E+06
 Heat radiation is excluded.

*** NOTE *** CP = 18.641 TIME= 20:39:44
 Max. Initial penetration 4.36666695E-09 was detected between contact
 element 1228357 and target element 1227031.

*** NOTE *** CP = 18.641 TIME= 20:39:44
 Symmetric Deformable- deformable contact pair identified by real
 constant set 37 and contact element type 37 has been set up. The
 companion pair has real constant set ID 38. Both pairs should have
 the same behavior.
 MAPDL will keep the current pair and deactivate its companion pair,
 resulting in asymmetric contact.
 Pure thermal contact is activated.
 The emissivity is defined through the material property.
 Thermal convection coefficient, environment temperature, and
 heat flux are defined using the SFE command.
 Target temperature is used for convection/radiation calculation
 for near field contact.
 Small sliding logic is assumed
 Contact detection at: Gauss integration point
 Average contact surface length 0.98580E-02
 Average contact pair depth 0.76376E-02
 Average target surface length 0.98174E-02
 Default pinball region factor PINB 0.25000
 The resulting pinball region 0.19094E-02
 Initial penetration/gap is excluded.
 Bonded contact (always) is defined.
 Thermal contact conductance coef. TCC 0.43104E+06
 Heat radiation is excluded.

*** NOTE *** CP = 18.641 TIME= 20:39:44
 Max. Initial penetration 2.61999995E-08 was detected between contact
 element 1232070 and target element 1233308.
 You may move entire target surface by : x= 2.61999995E-08, y=
 7.614203665E-22, z= -1.398416396E-21, to reduce initial penetration.

*** NOTE *** CP = 18.641 TIME= 20:39:44
 Symmetric Deformable- deformable contact pair identified by real
 constant set 38 and contact element type 37 has been set up. The
 companion pair has real constant set ID 37. Both pairs should have
 the same behavior.
 MAPDL will deactivate the current pair and keep its companion pair,
 resulting in asymmetric contact.
 Pure thermal contact is activated.
 The emissivity is defined through the material property.
 Thermal convection coefficient, environment temperature, and
 heat flux are defined using the SFE command.
 Target temperature is used for convection/radiation calculation
 for near field contact.
 Small sliding logic is assumed
 Contact detection at: Gauss integration point
 Average contact surface length 0.98580E-02
 Average contact pair depth 0.79090E-02
 Average target surface length 0.98174E-02
 Default pinball region factor PINB 0.25000
 The resulting pinball region 0.19773E-02
 Initial penetration/gap is excluded.
 Bonded contact (always) is defined.
 Thermal contact conductance coef. TCC 0.43104E+06
 Heat radiation is excluded.

*** NOTE *** CP = 18.641 TIME= 20:39:44
 Max. Initial penetration 2.61999995E-08 was detected between contact
 element 1232287 and target element 1231049.
 You may move entire target surface by : x= -2.61999995E-08, y=
 6.033933436E-22, z= -3.879405373E-22, to reduce initial penetration.

 SUMMARY FOR CONTACT PAIR IDENTIFIED BY REAL CONSTANT SET 35
 Max. Penetration of -6.030367792E-22 has been detected between contact
 element 1228036 and target element 1229462.

Max. Geometrical gap of 1.455563048E-08 has been detected between
 contact element 1227551 and target element 1229711.

Max. Geometrical penetration of -4.36666695E-09 has been detected
 between contact element 1227551 and target element 1229711.
 Contacting area 4.199999993E-02.
 Max. Pinball distance 1.936674191E-03.
 One of the contact searching regions contains at least 38 target
 elements.

 SUMMARY FOR CONTACT PAIR IDENTIFIED BY REAL CONSTANT SET 36

*** NOTE *** CP = 22.453 TIME= 20:39:49
 Contact pair is inactive.

 SUMMARY FOR CONTACT PAIR IDENTIFIED BY REAL CONSTANT SET 37
 Max. Penetration of -2.870097664E-21 has been detected between contact
 element 1231264 and target element 1234194.

Max. Geometrical gap of 4.366666584E-09 has been detected between
 contact element 1232070 and target element 1233308.

Max. Geometrical penetration of -2.61999995E-08 has been detected
 between contact element 1232070 and target element 1233308.
 Contacting area 4.199999993E-02.
 Max. Pinball distance 1.909410848E-03.
 One of the contact searching regions contains at least 43 target
 elements.

SUMMARY FOR CONTACT PAIR IDENTIFIED BY REAL CONSTANT SET 38
*** NOTE *** CP = 22.453 TIME= 20:39:49
Contact pair is inactive.

**** CENTER OF MASS, MASS, AND MASS MOMENTS OF INERTIA ****

CALCULATIONS ASSUME ELEMENT MASS AT ELEMENT CENTROID

TOTAL MASS = 138.86

CENTER OF MASS	MOM. OF INERTIA ABOUT ORIGIN	MOM. OF INERTIA ABOUT CENTER OF MASS
XC = 0.59800	IXX = 24.18	IXX = 5.898
YC = 0.16936E-01	IYY = 89.18	IYY = 21.28
ZC = -0.36250	IZZ = 65.52	IZZ = 15.83
	IXY = -1.430	IXY = -0.2415E-01
	IYZ = 0.8525	IYZ = 0.1790E-06
	IZX = 30.10	IZX = -0.2707E-04

*** MASS SUMMARY BY ELEMENT TYPE ***

TYPE	MASS
1	0.265698E-01
2	0.265698E-01
3	0.265698E-01
4	0.265698E-01
5	0.265698E-01
6	0.265698E-01
7	0.265698E-01
8	0.265698E-01
9	0.265698E-01
10	0.265698E-01
11	0.265698E-01
12	0.265698E-01
13	6.56631
14	5.77463
15	5.64010
16	24.1114
17	12.0557
18	18.0835
19	12.0557
20	18.0835
21	12.0557
22	24.1114

Range of element maximum matrix coefficients in global coordinates
Maximum = 5.83517492 at element 1227353.
Minimum = 5.336359165E-05 at element 1296405.

*** ELEMENT MATRIX FORMULATION TIMES

TYPE	NUMBER	ENAME	TOTAL CP	AVE CP
1	117	SOLID279	0.000	0.000000
2	117	SOLID279	0.000	0.000000
3	117	SOLID279	0.000	0.000000
4	117	SOLID279	0.000	0.000000
5	117	SOLID279	0.000	0.000000
6	117	SOLID279	0.000	0.000000
7	117	SOLID279	0.016	0.000134
8	117	SOLID279	0.000	0.000000
9	117	SOLID279	0.000	0.000000
10	117	SOLID279	0.000	0.000000
11	117	SOLID279	0.031	0.000267
12	117	SOLID279	0.000	0.000000
13	73571	SOLID291	1.500	0.000020
14	73319	SOLID291	1.188	0.000016
15	74228	SOLID291	1.375	0.000019
16	66705	SOLID291	0.891	0.000013
17	18882	SOLID291	0.188	0.000010
18	28167	SOLID291	0.391	0.000014
19	19105	SOLID291	0.328	0.000017
20	28502	SOLID291	0.453	0.000016
21	19255	SOLID291	0.391	0.000020
22	100427	SOLID291	1.656	0.000016
23	3630	CONTAL74	0.094	0.000026
24	3630	TARGE170	0.016	0.000004
25	3632	CONTAL74	0.109	0.000030
26	3632	TARGE170	0.000	0.000000
27	3608	CONTAL74	0.062	0.000017
28	3608	TARGE170	0.016	0.000004
29	2040	CONTAL74	0.031	0.000015
30	2040	TARGE170	0.000	0.000000
31	2066	CONTAL74	0.031	0.000015
32	2066	TARGE170	0.000	0.000000
33	2046	CONTAL74	0.094	0.000046
34	2046	TARGE170	0.000	0.000000
35	2068	CONTAL74	0.078	0.000038
36	2068	TARGE170	0.000	0.000000
37	2042	CONTAL74	0.062	0.000031
38	2042	TARGE170	0.000	0.000000
39	2048	CONTAL74	0.062	0.000031
40	2048	TARGE170	0.000	0.000000
41	31849	SURF152	0.281	0.000009
42	31849	SURF152	0.703	0.000022

Time at end of element matrix formulation CP = 22.453125.
HT FLOW CONVERGENCE VALUE= 0.7613 CRITERION= 0.2913E-02

DISTRIBUTED SPARSE MATRIX DIRECT SOLVER.

Number of equations = 766031, Maximum wavefront = 93

Process memory allocated for solver = 211.314 MB
Process memory required for in-core solution = 858.091 MB
Process memory required for out-of-core solution = 204.697 MB

Total memory allocated for solver = 878.118 MB
 Total memory required for in-core solution = 3804.837 MB
 Total memory required for out-of-core solution = 850.115 MB

*** WARNING *** CP = 27.672 TIME= 20:39:56
 The Distributed Sparse Matrix Solver is currently running in the out-of-core memory mode. This memory mode may provide significantly worse performance compared to the in-core memory mode, depending on the amount of available system memory and I/O speed. Please monitor the solver performance to ensure that the large amount of I/O to the solver files does not create a bottleneck for performance.
 Distributed sparse solver maximum pivot= 10.5996035 at node 446104 TEMP.
 Distributed sparse solver minimum pivot= 5.834428791E-04 at node 326426 TEMP.
 Distributed sparse solver minimum pivot in absolute value= 5.834428791E-04 at node 326426 TEMP.
 EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= -3.842
 HT FLOW CONVERGENCE VALUE= 0.2277E-02 CRITERION= 0.2259E-01 <<< CONVERGED
 >>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1

*** ELEMENT RESULT CALCULATION TIMES

TYPE	NUMBER	ENAME	TOTAL CP	AVE CP
1	117	SOLID279	0.000	0.000000
2	117	SOLID279	0.000	0.000000
3	117	SOLID279	0.000	0.000000
4	117	SOLID279	0.000	0.000000
5	117	SOLID279	0.000	0.000000
6	117	SOLID279	0.000	0.000000
7	117	SOLID279	0.000	0.000000
8	117	SOLID279	0.000	0.000000
9	117	SOLID279	0.000	0.000000
10	117	SOLID279	0.000	0.000000
11	117	SOLID279	0.000	0.000000
12	117	SOLID279	0.000	0.000000
13	73571	SOLID291	1.266	0.000017
14	73319	SOLID291	0.781	0.000011
15	74228	SOLID291	1.109	0.000015
16	66705	SOLID291	0.875	0.000013
17	18882	SOLID291	0.266	0.000014
18	28167	SOLID291	0.422	0.000015
19	19105	SOLID291	0.266	0.000014
20	28502	SOLID291	0.281	0.000010
21	19255	SOLID291	0.188	0.000010
22	100427	SOLID291	1.469	0.000015
23	3630	CONTAL174	0.000	0.000000
25	3632	CONTAL174	0.094	0.000026
27	3608	CONTAL174	0.062	0.000017
29	2040	CONTAL174	0.031	0.000015
31	2066	CONTAL174	0.031	0.000015
33	2046	CONTAL174	0.031	0.000015
35	2068	CONTAL174	0.016	0.000008
37	2042	CONTAL174	0.047	0.000023
39	2048	CONTAL174	0.031	0.000015
41	31849	SURF152	0.234	0.000007
42	31849	SURF152	0.344	0.000011

*** NODAL LOAD CALCULATION TIMES

TYPE	NUMBER	ENAME	TOTAL CP	AVE CP
1	117	SOLID279	0.000	0.000000
2	117	SOLID279	0.000	0.000000
3	117	SOLID279	0.000	0.000000
4	117	SOLID279	0.000	0.000000
5	117	SOLID279	0.000	0.000000
6	117	SOLID279	0.000	0.000000
7	117	SOLID279	0.000	0.000000
8	117	SOLID279	0.000	0.000000
9	117	SOLID279	0.000	0.000000
10	117	SOLID279	0.000	0.000000
11	117	SOLID279	0.000	0.000000
12	117	SOLID279	0.000	0.000000
13	73571	SOLID291	0.578	0.000008
14	73319	SOLID291	0.594	0.000008
15	74228	SOLID291	0.562	0.000008
16	66705	SOLID291	0.328	0.000005
17	18882	SOLID291	0.094	0.000005
18	28167	SOLID291	0.109	0.000004
19	19105	SOLID291	0.109	0.000006
20	28502	SOLID291	0.234	0.000008
21	19255	SOLID291	0.219	0.000011
22	100427	SOLID291	0.531	0.000005
23	3630	CONTAL174	0.016	0.000004
25	3632	CONTAL174	0.016	0.000004
27	3608	CONTAL174	0.000	0.000000
29	2040	CONTAL174	0.000	0.000000
31	2066	CONTAL174	0.000	0.000000
33	2046	CONTAL174	0.000	0.000000
35	2068	CONTAL174	0.000	0.000000
37	2042	CONTAL174	0.016	0.000008
39	2048	CONTAL174	0.000	0.000000
41	31849	SURF152	0.016	0.000000
42	31849	SURF152	0.047	0.000001

*** LOAD STEP 1 SUBSTEP 1 COMPLETED. CUM ITER = 1

*** TIME = 5.00000 TIME INC = 5.00000

*** RESPONSE EIGENVALUE = 0.5024 OSCILLATION LIMIT = 2.512

HT FLOW CONVERGENCE VALUE= 0.3961 CRITERION= 0.2258E-01

EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.692

HT FLOW CONVERGENCE VALUE= 0.4622E-03 CRITERION= 0.1177E-01 <<< CONVERGED

>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1

*** LOAD STEP 1 SUBSTEP 2 COMPLETED. CUM ITER = 2

*** TIME = 10.0000 TIME INC = 5.00000

*** RESPONSE EIGENVALUE = 1.085 OSCILLATION LIMIT = 5.425

HT FLOW CONVERGENCE VALUE= 1.578 CRITERION= 0.1231E-01

EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 8.475

HT FLOW CONVERGENCE VALUE= 0.8994E-02 CRITERION= 0.4079E-01 <<< CONVERGED

>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1

*** LOAD STEP 1 SUBSTEP 3 COMPLETED. CUM ITER = 3

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*** TIME = 15.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6731      OSCILLATION LIMIT = 3.366

HT FLOW CONVERGENCE VALUE= 6.177      CRITERION= 0.4182E-01
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 26.64

*** WARNING ***      CP = 92.297      TIME= 20:41:28
Material property DENS of material 15 of element 167620 is evaluated at
a temperature of 19.9291492, which is below the supplied temperature
range. Temperature range checking terminates.

*** WARNING ***      CP = 92.531      TIME= 20:41:28
Material property DENS of material 13 of element 18174 is evaluated at
a temperature of 19.9493364, which is below the supplied temperature
range. Temperature range checking terminates.
HT FLOW CONVERGENCE VALUE= 0.1471      CRITERION= 0.2336      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 4 COMPLETED. CUM ITER = 4
*** TIME = 20.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5010      OSCILLATION LIMIT = 2.505

HT FLOW CONVERGENCE VALUE= 9.024      CRITERION= 0.2339
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 22.80

*** WARNING ***      CP = 110.047      TIME= 20:41:50
Material property DENS of material 14 of element 93792 is evaluated at
a temperature of 19.9567613, which is below the supplied temperature
range. Temperature range checking terminates.
HT FLOW CONVERGENCE VALUE= 0.2207      CRITERION= 0.4337      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 5 COMPLETED. CUM ITER = 5
*** TIME = 25.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2101      OSCILLATION LIMIT = 1.051

HT FLOW CONVERGENCE VALUE= 14.00      CRITERION= 0.4341
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 33.96
HT FLOW CONVERGENCE VALUE= 0.5789      CRITERION= 0.8225      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 6 COMPLETED. CUM ITER = 6
*** TIME = 30.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2559      OSCILLATION LIMIT = 1.280

HT FLOW CONVERGENCE VALUE= 18.37      CRITERION= 0.8228
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 31.03
HT FLOW CONVERGENCE VALUE= 0.7687      CRITERION= 1.273      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 7 COMPLETED. CUM ITER = 7
*** TIME = 35.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1629      OSCILLATION LIMIT = 0.8145

HT FLOW CONVERGENCE VALUE= 22.52      CRITERION= 1.274
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 29.28
HT FLOW CONVERGENCE VALUE= 0.9666      CRITERION= 1.798      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 8 COMPLETED. CUM ITER = 8
*** TIME = 40.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1233      OSCILLATION LIMIT = 0.6164

HT FLOW CONVERGENCE VALUE= 28.08      CRITERION= 1.798
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 35.94
HT FLOW CONVERGENCE VALUE= 1.615      CRITERION= 2.612      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 9 COMPLETED. CUM ITER = 9
*** TIME = 45.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1491      OSCILLATION LIMIT = 0.7456

HT FLOW CONVERGENCE VALUE= 36.86      CRITERION= 2.612
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 49.07
HT FLOW CONVERGENCE VALUE= 3.180      CRITERION= 4.085      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 10 COMPLETED. CUM ITER = 10
*** TIME = 50.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2080      OSCILLATION LIMIT = 1.040

HT FLOW CONVERGENCE VALUE= 45.05      CRITERION= 4.085
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 41.94
HT FLOW CONVERGENCE VALUE= 3.374      CRITERION= 5.559      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 11 COMPLETED. CUM ITER = 11
*** TIME = 55.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1111      OSCILLATION LIMIT = 0.5556

HT FLOW CONVERGENCE VALUE= 51.72      CRITERION= 5.559
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 45.67
HT FLOW CONVERGENCE VALUE= 4.048      CRITERION= 6.947      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 12 COMPLETED. CUM ITER = 12
*** TIME = 60.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6909E-01      OSCILLATION LIMIT = 0.3454

HT FLOW CONVERGENCE VALUE= 60.72      CRITERION= 6.947
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 49.94
HT FLOW CONVERGENCE VALUE= 6.488      CRITERION= 9.176      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 13 COMPLETED. CUM ITER = 13
*** TIME = 65.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1010      OSCILLATION LIMIT = 0.5051

HT FLOW CONVERGENCE VALUE= 69.71      CRITERION= 9.177
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 51.42
HT FLOW CONVERGENCE VALUE= 5.288      CRITERION= 11.26      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 14 COMPLETED. CUM ITER = 14
*** TIME = 70.0000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5873E-01      OSCILLATION LIMIT = 0.2936

HT FLOW CONVERGENCE VALUE= 75.29      CRITERION= 11.26
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 46.14
HT FLOW CONVERGENCE VALUE= 3.619      CRITERION= 12.58      <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 15 COMPLETED. CUM ITER = 15

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*** TIME = 75.0000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2768E-01  OSCILLATION LIMIT = 0.1384

HT FLOW CONVERGENCE VALUE= 80.69  CRITERION= 12.58
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 43.02
HT FLOW CONVERGENCE VALUE= 4.845  CRITERION= 14.33  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 16 COMPLETED. CUM ITER = 16
*** TIME = 80.0000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3296E-01  OSCILLATION LIMIT = 0.1648

HT FLOW CONVERGENCE VALUE= 86.93  CRITERION= 14.33
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 41.87
HT FLOW CONVERGENCE VALUE= 5.455  CRITERION= 16.23  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 17 COMPLETED. CUM ITER = 17
*** TIME = 85.0000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3188E-01  OSCILLATION LIMIT = 0.1594

HT FLOW CONVERGENCE VALUE= 91.55  CRITERION= 16.23
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 38.07
HT FLOW CONVERGENCE VALUE= 4.508  CRITERION= 17.44  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 18 COMPLETED. CUM ITER = 18
*** TIME = 90.0000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2008E-01  OSCILLATION LIMIT = 0.1004

HT FLOW CONVERGENCE VALUE= 94.96  CRITERION= 17.44
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 34.14
HT FLOW CONVERGENCE VALUE= 4.644  CRITERION= 18.57  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 19 COMPLETED. CUM ITER = 19
*** TIME = 95.0000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1814E-01  OSCILLATION LIMIT = 0.9068E-01

HT FLOW CONVERGENCE VALUE= 97.02  CRITERION= 18.57
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 32.64
HT FLOW CONVERGENCE VALUE= 4.072  CRITERION= 19.24  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 20 COMPLETED. CUM ITER = 20
*** TIME = 100.000         TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1443E-01  OSCILLATION LIMIT = 0.7215E-01

HT FLOW CONVERGENCE VALUE= 97.48  CRITERION= 19.24
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 30.60
HT FLOW CONVERGENCE VALUE= 3.128  CRITERION= 19.44  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 21 COMPLETED. CUM ITER = 21
*** TIME = 105.000         TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1183E-01  OSCILLATION LIMIT = 0.5914E-01

HT FLOW CONVERGENCE VALUE= 98.38  CRITERION= 19.44
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 27.94
HT FLOW CONVERGENCE VALUE= 3.870  CRITERION= 20.17  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 22 COMPLETED. CUM ITER = 22
*** TIME = 110.000         TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1152E-01  OSCILLATION LIMIT = 0.5760E-01

HT FLOW CONVERGENCE VALUE= 97.30  CRITERION= 20.17
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 26.34
HT FLOW CONVERGENCE VALUE= 1.562  CRITERION= 19.50  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 23 COMPLETED. CUM ITER = 23
*** TIME = 115.000         TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1357E-01  OSCILLATION LIMIT = 0.6786E-01

HT FLOW CONVERGENCE VALUE= 93.94  CRITERION= 19.50
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 23.20
HT FLOW CONVERGENCE VALUE= 1.637  CRITERION= 18.15  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 24 COMPLETED. CUM ITER = 24
*** TIME = 120.000         TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2270E-01  OSCILLATION LIMIT = 0.1135

HT FLOW CONVERGENCE VALUE= 89.92  CRITERION= 18.15
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 21.42
HT FLOW CONVERGENCE VALUE= 0.8712  CRITERION= 17.53  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 25 COMPLETED. CUM ITER = 25
*** TIME = 125.000         TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6968E-02  OSCILLATION LIMIT = 0.3484E-01

HT FLOW CONVERGENCE VALUE= 86.77  CRITERION= 17.53
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 20.15
HT FLOW CONVERGENCE VALUE= 0.6406  CRITERION= 17.16  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 26 COMPLETED. CUM ITER = 26
*** TIME = 130.000         TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3837E-02  OSCILLATION LIMIT = 0.1918E-01

HT FLOW CONVERGENCE VALUE= 84.62  CRITERION= 17.16
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 18.18
HT FLOW CONVERGENCE VALUE= 0.5777  CRITERION= 16.95  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 27 COMPLETED. CUM ITER = 27
*** TIME = 135.000         TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2442E-02  OSCILLATION LIMIT = 0.1221E-01

HT FLOW CONVERGENCE VALUE= 83.25  CRITERION= 16.95
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 16.89
HT FLOW CONVERGENCE VALUE= 0.7349  CRITERION= 16.95  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 28 COMPLETED. CUM ITER = 28
*** TIME = 140.000         TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1541E-02  OSCILLATION LIMIT = 0.7705E-02

HT FLOW CONVERGENCE VALUE= 82.49  CRITERION= 16.95
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 16.00
HT FLOW CONVERGENCE VALUE= 0.8037  CRITERION= 17.00  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1

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*** LOAD STEP      1  SUBSTEP    29  COMPLETED.    CUM ITER =    29
*** TIME = 145.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1780E-02  OSCILLATION LIMIT = 0.8898E-02

HT FLOW CONVERGENCE VALUE= 82.08  CRITERION= 17.00
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 15.33
HT FLOW CONVERGENCE VALUE= 0.8462  CRITERION= 17.09  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    30  COMPLETED.    CUM ITER =    30
*** TIME = 150.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1935E-02  OSCILLATION LIMIT = 0.9677E-02

HT FLOW CONVERGENCE VALUE= 81.75  CRITERION= 17.09
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 14.28
HT FLOW CONVERGENCE VALUE= 0.7077  CRITERION= 17.08  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    31  COMPLETED.    CUM ITER =    31
*** TIME = 155.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1957E-02  OSCILLATION LIMIT = 0.9783E-02

HT FLOW CONVERGENCE VALUE= 81.29  CRITERION= 17.08
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 13.48
HT FLOW CONVERGENCE VALUE= 0.5590  CRITERION= 17.00  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    32  COMPLETED.    CUM ITER =    32
*** TIME = 160.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1952E-02  OSCILLATION LIMIT = 0.9760E-02

HT FLOW CONVERGENCE VALUE= 80.89  CRITERION= 17.00
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 13.12
HT FLOW CONVERGENCE VALUE= 0.7371  CRITERION= 17.09  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    33  COMPLETED.    CUM ITER =    33
*** TIME = 165.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1499E-02  OSCILLATION LIMIT = 0.7493E-02

HT FLOW CONVERGENCE VALUE= 80.61  CRITERION= 17.09
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 12.38
HT FLOW CONVERGENCE VALUE= 0.6018  CRITERION= 17.09  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    34  COMPLETED.    CUM ITER =    34
*** TIME = 170.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1585E-02  OSCILLATION LIMIT = 0.7926E-02

HT FLOW CONVERGENCE VALUE= 80.30  CRITERION= 17.09
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 11.97
HT FLOW CONVERGENCE VALUE= 0.5310  CRITERION= 17.07  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    35  COMPLETED.    CUM ITER =    35
*** TIME = 175.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1457E-02  OSCILLATION LIMIT = 0.7284E-02

HT FLOW CONVERGENCE VALUE= 80.23  CRITERION= 17.07
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 11.98
HT FLOW CONVERGENCE VALUE= 0.9345  CRITERION= 17.32  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    36  COMPLETED.    CUM ITER =    36
*** TIME = 180.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2165E-02  OSCILLATION LIMIT = 0.1082E-01

HT FLOW CONVERGENCE VALUE= 80.84  CRITERION= 17.32
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 11.70
HT FLOW CONVERGENCE VALUE= 1.413  CRITERION= 17.81  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    37  COMPLETED.    CUM ITER =    37
*** TIME = 185.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5497E-02  OSCILLATION LIMIT = 0.2749E-01

HT FLOW CONVERGENCE VALUE= 81.30  CRITERION= 17.81
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 10.57
HT FLOW CONVERGENCE VALUE= 0.5440  CRITERION= 17.75  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    38  COMPLETED.    CUM ITER =    38
*** TIME = 190.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2375E-02  OSCILLATION LIMIT = 0.1187E-01

HT FLOW CONVERGENCE VALUE= 81.78  CRITERION= 17.75
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 10.86
HT FLOW CONVERGENCE VALUE= 1.225  CRITERION= 18.14  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    39  COMPLETED.    CUM ITER =    39
*** TIME = 195.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3819E-02  OSCILLATION LIMIT = 0.1910E-01

HT FLOW CONVERGENCE VALUE= 82.72  CRITERION= 18.14
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 10.58
HT FLOW CONVERGENCE VALUE= 1.439  CRITERION= 18.61  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    40  COMPLETED.    CUM ITER =    40
*** TIME = 200.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5390E-02  OSCILLATION LIMIT = 0.2695E-01

HT FLOW CONVERGENCE VALUE= 83.53  CRITERION= 18.61
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 9.893
HT FLOW CONVERGENCE VALUE= 0.8298  CRITERION= 18.72  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    41  COMPLETED.    CUM ITER =    41
*** TIME = 205.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2398E-02  OSCILLATION LIMIT = 0.1199E-01

HT FLOW CONVERGENCE VALUE= 84.28  CRITERION= 18.72
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 10.14
HT FLOW CONVERGENCE VALUE= 1.214  CRITERION= 19.07  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP    42  COMPLETED.    CUM ITER =    42
*** TIME = 210.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3422E-02  OSCILLATION LIMIT = 0.1711E-01

HT FLOW CONVERGENCE VALUE= 84.76  CRITERION= 19.07
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 9.485
HT FLOW CONVERGENCE VALUE= 0.6142  CRITERION= 19.07  <<< CONVERGED

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>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 43 COMPLETED. CUM ITER = 43
*** TIME = 215.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1855E-02 OSCILLATION LIMIT = 0.9276E-02

HT FLOW CONVERGENCE VALUE= 84.87 CRITERION= 19.07
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 9.351
HT FLOW CONVERGENCE VALUE= 0.4656 CRITERION= 19.03 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 44 COMPLETED. CUM ITER = 44
*** TIME = 220.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1393E-02 OSCILLATION LIMIT = 0.6963E-02

HT FLOW CONVERGENCE VALUE= 84.47 CRITERION= 19.03
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 9.061
HT FLOW CONVERGENCE VALUE= 0.3331 CRITERION= 18.71 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 45 COMPLETED. CUM ITER = 45
*** TIME = 225.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3604E-02 OSCILLATION LIMIT = 0.1802E-01

HT FLOW CONVERGENCE VALUE= 83.71 CRITERION= 18.71
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 9.102
HT FLOW CONVERGENCE VALUE= 0.2431 CRITERION= 18.51 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 46 COMPLETED. CUM ITER = 46
*** TIME = 230.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1901E-02 OSCILLATION LIMIT = 0.9506E-02

HT FLOW CONVERGENCE VALUE= 82.96 CRITERION= 18.51
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 9.025
HT FLOW CONVERGENCE VALUE= 0.2265 CRITERION= 18.42 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 47 COMPLETED. CUM ITER = 47
*** TIME = 235.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1008E-02 OSCILLATION LIMIT = 0.5039E-02

HT FLOW CONVERGENCE VALUE= 82.37 CRITERION= 18.42
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 8.743
HT FLOW CONVERGENCE VALUE= 0.2312 CRITERION= 18.34 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 48 COMPLETED. CUM ITER = 48
*** TIME = 240.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.9026E-03 OSCILLATION LIMIT = 0.4513E-02

HT FLOW CONVERGENCE VALUE= 82.01 CRITERION= 18.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 8.685
HT FLOW CONVERGENCE VALUE= 0.5043 CRITERION= 18.46 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 49 COMPLETED. CUM ITER = 49
*** TIME = 245.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5714E-03 OSCILLATION LIMIT = 0.2857E-02

HT FLOW CONVERGENCE VALUE= 81.82 CRITERION= 18.46
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 8.202
HT FLOW CONVERGENCE VALUE= 0.3725 CRITERION= 18.47 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 50 COMPLETED. CUM ITER = 50
*** TIME = 250.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6993E-03 OSCILLATION LIMIT = 0.3496E-02

HT FLOW CONVERGENCE VALUE= 81.57 CRITERION= 18.47
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 7.940
HT FLOW CONVERGENCE VALUE= 0.2308 CRITERION= 18.39 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 51 COMPLETED. CUM ITER = 51
*** TIME = 255.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1018E-02 OSCILLATION LIMIT = 0.5092E-02

HT FLOW CONVERGENCE VALUE= 81.03 CRITERION= 18.39
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 7.601
HT FLOW CONVERGENCE VALUE= 0.3445 CRITERION= 18.09 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 52 COMPLETED. CUM ITER = 52
*** TIME = 260.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3481E-02 OSCILLATION LIMIT = 0.1740E-01

HT FLOW CONVERGENCE VALUE= 80.28 CRITERION= 18.09
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 7.668
HT FLOW CONVERGENCE VALUE= 0.1738 CRITERION= 18.01 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 53 COMPLETED. CUM ITER = 53
*** TIME = 265.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8449E-03 OSCILLATION LIMIT = 0.4225E-02

HT FLOW CONVERGENCE VALUE= 79.70 CRITERION= 18.01
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 7.598
HT FLOW CONVERGENCE VALUE= 0.2518 CRITERION= 18.01 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 54 COMPLETED. CUM ITER = 54
*** TIME = 270.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4603E-03 OSCILLATION LIMIT = 0.2301E-02

HT FLOW CONVERGENCE VALUE= 79.15 CRITERION= 18.01
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 7.136
HT FLOW CONVERGENCE VALUE= 0.3255 CRITERION= 17.74 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 55 COMPLETED. CUM ITER = 55
*** TIME = 275.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3253E-02 OSCILLATION LIMIT = 0.1627E-01

HT FLOW CONVERGENCE VALUE= 78.23 CRITERION= 17.74
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 6.813
HT FLOW CONVERGENCE VALUE= 0.9699 CRITERION= 17.11 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 56 COMPLETED. CUM ITER = 56
*** TIME = 280.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1361E-01 OSCILLATION LIMIT = 0.6805E-01

HT FLOW CONVERGENCE VALUE= 76.77 CRITERION= 17.11
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 6.835

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HT FLOW CONVERGENCE VALUE= 0.8238      CRITERION= 16.64    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 57 COMPLETED. CUM ITER = 57
*** TIME = 285.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.9987E-02  OSCILLATION LIMIT = 0.4994E-01

HT FLOW CONVERGENCE VALUE= 75.27      CRITERION= 16.64
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 6.756
HT FLOW CONVERGENCE VALUE= 0.4128      CRITERION= 16.43    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 58 COMPLETED. CUM ITER = 58
*** TIME = 290.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3397E-02  OSCILLATION LIMIT = 0.1699E-01

HT FLOW CONVERGENCE VALUE= 74.11      CRITERION= 16.43
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 6.585
HT FLOW CONVERGENCE VALUE= 0.2553      CRITERION= 16.28    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 59 COMPLETED. CUM ITER = 59
*** TIME = 295.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1847E-02  OSCILLATION LIMIT = 0.9237E-02

HT FLOW CONVERGENCE VALUE= 73.32      CRITERION= 16.28
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 6.594
HT FLOW CONVERGENCE VALUE= 0.4032      CRITERION= 16.47    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 60 COMPLETED. CUM ITER = 60
*** TIME = 300.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8351E-03  OSCILLATION LIMIT = 0.4176E-02

HT FLOW CONVERGENCE VALUE= 72.95      CRITERION= 16.47
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 6.205
HT FLOW CONVERGENCE VALUE= 0.3127      CRITERION= 16.56    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 61 COMPLETED. CUM ITER = 61
*** TIME = 305.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4096E-03  OSCILLATION LIMIT = 0.2048E-02

HT FLOW CONVERGENCE VALUE= 72.72      CRITERION= 16.56
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 5.952
HT FLOW CONVERGENCE VALUE= 0.3592      CRITERION= 16.66    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 62 COMPLETED. CUM ITER = 62
*** TIME = 310.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5633E-03  OSCILLATION LIMIT = 0.2816E-02

HT FLOW CONVERGENCE VALUE= 72.86      CRITERION= 16.66
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 5.919
HT FLOW CONVERGENCE VALUE= 1.039      CRITERION= 17.13    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 63 COMPLETED. CUM ITER = 63
*** TIME = 315.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7268E-02  OSCILLATION LIMIT = 0.3634E-01

HT FLOW CONVERGENCE VALUE= 72.92      CRITERION= 17.13
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 5.405
HT FLOW CONVERGENCE VALUE= 0.1062      CRITERION= 16.95    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 64 COMPLETED. CUM ITER = 64
*** TIME = 320.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2319E-02  OSCILLATION LIMIT = 0.1160E-01

HT FLOW CONVERGENCE VALUE= 72.54      CRITERION= 16.95
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 5.281
HT FLOW CONVERGENCE VALUE= 0.3451      CRITERION= 16.65    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 65 COMPLETED. CUM ITER = 65
*** TIME = 325.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4408E-02  OSCILLATION LIMIT = 0.2204E-01

HT FLOW CONVERGENCE VALUE= 71.97      CRITERION= 16.65
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 5.280
HT FLOW CONVERGENCE VALUE= 0.2962      CRITERION= 16.75    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 66 COMPLETED. CUM ITER = 66
*** TIME = 330.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3397E-03  OSCILLATION LIMIT = 0.1698E-02

HT FLOW CONVERGENCE VALUE= 71.62      CRITERION= 16.75
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 5.076
HT FLOW CONVERGENCE VALUE= 0.9756E-01  CRITERION= 16.67    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 67 COMPLETED. CUM ITER = 67
*** TIME = 335.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.9469E-03  OSCILLATION LIMIT = 0.4734E-02

HT FLOW CONVERGENCE VALUE= 71.12      CRITERION= 16.67
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.960
HT FLOW CONVERGENCE VALUE= 0.4772      CRITERION= 16.31    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 68 COMPLETED. CUM ITER = 68
*** TIME = 340.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6410E-02  OSCILLATION LIMIT = 0.3205E-01

HT FLOW CONVERGENCE VALUE= 70.31      CRITERION= 16.31
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.883
HT FLOW CONVERGENCE VALUE= 0.3965      CRITERION= 16.05    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 69 COMPLETED. CUM ITER = 69
*** TIME = 345.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4435E-02  OSCILLATION LIMIT = 0.2217E-01

HT FLOW CONVERGENCE VALUE= 69.56      CRITERION= 16.05
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.901
HT FLOW CONVERGENCE VALUE= 0.2449      CRITERION= 16.16    <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 70 COMPLETED. CUM ITER = 70
*** TIME = 350.000      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3435E-03  OSCILLATION LIMIT = 0.1718E-02

HT FLOW CONVERGENCE VALUE= 69.51      CRITERION= 16.16

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EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 5.016
HT FLOW CONVERGENCE VALUE= 0.9431 CRITERION= 16.63 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 71 COMPLETED. CUM ITER = 71
*** TIME = 355.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7982E-02 OSCILLATION LIMIT = 0.3991E-01

HT FLOW CONVERGENCE VALUE= 69.64 CRITERION= 16.63
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.658
HT FLOW CONVERGENCE VALUE= 0.2563 CRITERION= 16.63 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 72 COMPLETED. CUM ITER = 72
*** TIME = 360.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8997E-03 OSCILLATION LIMIT = 0.4499E-02

HT FLOW CONVERGENCE VALUE= 69.59 CRITERION= 16.63
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.564
HT FLOW CONVERGENCE VALUE= 0.2098 CRITERION= 16.63 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 73 COMPLETED. CUM ITER = 73
*** TIME = 365.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5727E-03 OSCILLATION LIMIT = 0.2864E-02

HT FLOW CONVERGENCE VALUE= 69.32 CRITERION= 16.63
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.461
HT FLOW CONVERGENCE VALUE= 0.1059 CRITERION= 16.49 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 74 COMPLETED. CUM ITER = 74
*** TIME = 370.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1666E-02 OSCILLATION LIMIT = 0.8330E-02

HT FLOW CONVERGENCE VALUE= 69.06 CRITERION= 16.48
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.419
HT FLOW CONVERGENCE VALUE= 0.3809 CRITERION= 16.63 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 75 COMPLETED. CUM ITER = 75
*** TIME = 375.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7433E-03 OSCILLATION LIMIT = 0.3716E-02

HT FLOW CONVERGENCE VALUE= 68.96 CRITERION= 16.63
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.335
HT FLOW CONVERGENCE VALUE= 0.2385 CRITERION= 16.65 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 76 COMPLETED. CUM ITER = 76
*** TIME = 380.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4887E-03 OSCILLATION LIMIT = 0.2444E-02

HT FLOW CONVERGENCE VALUE= 68.76 CRITERION= 16.65
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.261
HT FLOW CONVERGENCE VALUE= 0.9464E-01 CRITERION= 16.52 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 77 COMPLETED. CUM ITER = 77
*** TIME = 385.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1551E-02 OSCILLATION LIMIT = 0.7753E-02

HT FLOW CONVERGENCE VALUE= 68.36 CRITERION= 16.52
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.211
HT FLOW CONVERGENCE VALUE= 0.1829 CRITERION= 16.34 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 78 COMPLETED. CUM ITER = 78
*** TIME = 390.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2299E-02 OSCILLATION LIMIT = 0.1150E-01

HT FLOW CONVERGENCE VALUE= 68.12 CRITERION= 16.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.246
HT FLOW CONVERGENCE VALUE= 0.6520 CRITERION= 16.67 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 79 COMPLETED. CUM ITER = 79
*** TIME = 395.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3566E-02 OSCILLATION LIMIT = 0.1783E-01

HT FLOW CONVERGENCE VALUE= 68.27 CRITERION= 16.67
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.153
HT FLOW CONVERGENCE VALUE= 0.5126 CRITERION= 16.84 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 80 COMPLETED. CUM ITER = 80
*** TIME = 400.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1690E-02 OSCILLATION LIMIT = 0.8452E-02

HT FLOW CONVERGENCE VALUE= 68.27 CRITERION= 16.84
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.069
HT FLOW CONVERGENCE VALUE= 0.8190E-01 CRITERION= 16.69 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 81 COMPLETED. CUM ITER = 81
*** TIME = 405.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1862E-02 OSCILLATION LIMIT = 0.9312E-02

HT FLOW CONVERGENCE VALUE= 67.96 CRITERION= 16.69
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.085
HT FLOW CONVERGENCE VALUE= 0.1830 CRITERION= 16.50 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 82 COMPLETED. CUM ITER = 82
*** TIME = 410.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2538E-02 OSCILLATION LIMIT = 0.1269E-01

HT FLOW CONVERGENCE VALUE= 67.50 CRITERION= 16.50
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.069
HT FLOW CONVERGENCE VALUE= 0.9860E-01 CRITERION= 16.40 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 83 COMPLETED. CUM ITER = 83
*** TIME = 415.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1252E-02 OSCILLATION LIMIT = 0.6261E-02

HT FLOW CONVERGENCE VALUE= 67.06 CRITERION= 16.40
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.012
HT FLOW CONVERGENCE VALUE= 0.1199 CRITERION= 16.28 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 84 COMPLETED. CUM ITER = 84
*** TIME = 420.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1464E-02 OSCILLATION LIMIT = 0.7318E-02

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HT FLOW CONVERGENCE VALUE= 66.68 CRITERION= 16.28
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.000
HT FLOW CONVERGENCE VALUE= 0.1415 CRITERION= 16.30 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 85 COMPLETED. CUM ITER = 85
*** TIME = 425.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2663E-03 OSCILLATION LIMIT = 0.1331E-02

HT FLOW CONVERGENCE VALUE= 66.47 CRITERION= 16.30
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.957
HT FLOW CONVERGENCE VALUE= 0.2733 CRITERION= 16.39 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 86 COMPLETED. CUM ITER = 86
*** TIME = 430.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4305E-03 OSCILLATION LIMIT = 0.2153E-02

HT FLOW CONVERGENCE VALUE= 66.29 CRITERION= 16.39
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.885
HT FLOW CONVERGENCE VALUE= 0.7728E-01 CRITERION= 16.33 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 87 COMPLETED. CUM ITER = 87
*** TIME = 435.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7537E-03 OSCILLATION LIMIT = 0.3768E-02

HT FLOW CONVERGENCE VALUE= 66.08 CRITERION= 16.33
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.872
HT FLOW CONVERGENCE VALUE= 0.1941 CRITERION= 16.36 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 88 COMPLETED. CUM ITER = 88
*** TIME = 440.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3087E-03 OSCILLATION LIMIT = 0.1544E-02

HT FLOW CONVERGENCE VALUE= 65.94 CRITERION= 16.36
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.820
HT FLOW CONVERGENCE VALUE= 0.2424 CRITERION= 16.42 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 89 COMPLETED. CUM ITER = 89
*** TIME = 445.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3954E-03 OSCILLATION LIMIT = 0.1977E-02

HT FLOW CONVERGENCE VALUE= 66.17 CRITERION= 16.42
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.733
HT FLOW CONVERGENCE VALUE= 0.9145 CRITERION= 16.87 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 90 COMPLETED. CUM ITER = 90
*** TIME = 450.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8654E-02 OSCILLATION LIMIT = 0.4327E-01

HT FLOW CONVERGENCE VALUE= 66.38 CRITERION= 16.87
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.701
HT FLOW CONVERGENCE VALUE= 0.1942 CRITERION= 16.83 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 91 COMPLETED. CUM ITER = 91
*** TIME = 455.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1116E-02 OSCILLATION LIMIT = 0.5582E-02

HT FLOW CONVERGENCE VALUE= 66.52 CRITERION= 16.83
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.726
HT FLOW CONVERGENCE VALUE= 0.4462 CRITERION= 16.98 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 92 COMPLETED. CUM ITER = 92
*** TIME = 460.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1293E-02 OSCILLATION LIMIT = 0.6463E-02

HT FLOW CONVERGENCE VALUE= 66.89 CRITERION= 16.98
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.183
HT FLOW CONVERGENCE VALUE= 0.8253 CRITERION= 17.34 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 93 COMPLETED. CUM ITER = 93
*** TIME = 465.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5682E-02 OSCILLATION LIMIT = 0.2841E-01

HT FLOW CONVERGENCE VALUE= 67.22 CRITERION= 17.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.612
HT FLOW CONVERGENCE VALUE= 0.3179 CRITERION= 17.36 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 94 COMPLETED. CUM ITER = 94
*** TIME = 470.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1083E-02 OSCILLATION LIMIT = 0.5414E-02

HT FLOW CONVERGENCE VALUE= 67.38 CRITERION= 17.36
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.619
HT FLOW CONVERGENCE VALUE= 0.3188 CRITERION= 17.41 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 95 COMPLETED. CUM ITER = 95
*** TIME = 475.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7429E-03 OSCILLATION LIMIT = 0.3714E-02

HT FLOW CONVERGENCE VALUE= 67.48 CRITERION= 17.41
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.592
HT FLOW CONVERGENCE VALUE= 0.3098 CRITERION= 17.46 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 96 COMPLETED. CUM ITER = 96
*** TIME = 480.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6624E-03 OSCILLATION LIMIT = 0.3312E-02

HT FLOW CONVERGENCE VALUE= 67.50 CRITERION= 17.46
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.559
HT FLOW CONVERGENCE VALUE= 0.1652 CRITERION= 17.43 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 97 COMPLETED. CUM ITER = 97
*** TIME = 485.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7377E-03 OSCILLATION LIMIT = 0.3688E-02

HT FLOW CONVERGENCE VALUE= 67.38 CRITERION= 17.43
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.540
HT FLOW CONVERGENCE VALUE= 0.6896E-01 CRITERION= 17.32 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 98 COMPLETED. CUM ITER = 98
*** TIME = 490.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1367E-02 OSCILLATION LIMIT = 0.6834E-02

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HT FLOW CONVERGENCE VALUE= 67.41 CRITERION= 17.32
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.584
HT FLOW CONVERGENCE VALUE= 0.6303 CRITERION= 17.60 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 99 COMPLETED. CUM ITER = 99
*** TIME = 495.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2948E-02 OSCILLATION LIMIT = 0.1474E-01

HT FLOW CONVERGENCE VALUE= 67.48 CRITERION= 17.60
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.493
HT FLOW CONVERGENCE VALUE= 0.7367E-01 CRITERION= 17.48 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 100 COMPLETED. CUM ITER = 100
*** TIME = 500.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1506E-02 OSCILLATION LIMIT = 0.7529E-02

HT FLOW CONVERGENCE VALUE= 67.43 CRITERION= 17.48
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.524
HT FLOW CONVERGENCE VALUE= 0.2359 CRITERION= 17.52 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 101 COMPLETED. CUM ITER = 101
*** TIME = 505.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4151E-03 OSCILLATION LIMIT = 0.2076E-02

HT FLOW CONVERGENCE VALUE= 67.43 CRITERION= 17.52
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.496
HT FLOW CONVERGENCE VALUE= 0.3133 CRITERION= 17.60 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 102 COMPLETED. CUM ITER = 102
*** TIME = 510.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5472E-03 OSCILLATION LIMIT = 0.2736E-02

HT FLOW CONVERGENCE VALUE= 67.37 CRITERION= 17.60
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.454
HT FLOW CONVERGENCE VALUE= 0.6636E-01 CRITERION= 17.48 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 103 COMPLETED. CUM ITER = 103
*** TIME = 515.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1410E-02 OSCILLATION LIMIT = 0.7048E-02

HT FLOW CONVERGENCE VALUE= 67.15 CRITERION= 17.48
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.448
HT FLOW CONVERGENCE VALUE= 0.7572E-01 CRITERION= 17.37 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 104 COMPLETED. CUM ITER = 104
*** TIME = 520.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1349E-02 OSCILLATION LIMIT = 0.6746E-02

HT FLOW CONVERGENCE VALUE= 66.91 CRITERION= 17.37
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.431
HT FLOW CONVERGENCE VALUE= 0.1531 CRITERION= 17.38 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 105 COMPLETED. CUM ITER = 105
*** TIME = 525.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3540E-03 OSCILLATION LIMIT = 0.1770E-02

HT FLOW CONVERGENCE VALUE= 66.85 CRITERION= 17.38
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.406
HT FLOW CONVERGENCE VALUE= 0.3722 CRITERION= 17.51 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 106 COMPLETED. CUM ITER = 106
*** TIME = 530.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8062E-03 OSCILLATION LIMIT = 0.4031E-02

HT FLOW CONVERGENCE VALUE= 66.91 CRITERION= 17.51
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.372
HT FLOW CONVERGENCE VALUE= 0.3130 CRITERION= 17.59 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 107 COMPLETED. CUM ITER = 107
*** TIME = 535.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5901E-03 OSCILLATION LIMIT = 0.2951E-02

HT FLOW CONVERGENCE VALUE= 66.97 CRITERION= 17.59
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.351
HT FLOW CONVERGENCE VALUE= 0.2634 CRITERION= 17.64 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 108 COMPLETED. CUM ITER = 108
*** TIME = 540.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4987E-03 OSCILLATION LIMIT = 0.2493E-02

HT FLOW CONVERGENCE VALUE= 66.93 CRITERION= 17.64
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.315
HT FLOW CONVERGENCE VALUE= 0.1166 CRITERION= 17.59 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 109 COMPLETED. CUM ITER = 109
*** TIME = 545.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7167E-03 OSCILLATION LIMIT = 0.3584E-02

HT FLOW CONVERGENCE VALUE= 66.75 CRITERION= 17.59
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.284
HT FLOW CONVERGENCE VALUE= 0.1197 CRITERION= 17.43 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 110 COMPLETED. CUM ITER = 110
*** TIME = 550.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2032E-02 OSCILLATION LIMIT = 0.1016E-01

HT FLOW CONVERGENCE VALUE= 66.52 CRITERION= 17.43
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.312
HT FLOW CONVERGENCE VALUE= 0.2152 CRITERION= 17.49 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 111 COMPLETED. CUM ITER = 111
*** TIME = 555.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2984E-03 OSCILLATION LIMIT = 0.1492E-02

HT FLOW CONVERGENCE VALUE= 66.33 CRITERION= 17.49
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.226
HT FLOW CONVERGENCE VALUE= 0.1045 CRITERION= 17.34 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 112 COMPLETED. CUM ITER = 112
*** TIME = 560.000 TIME INC = 5.00000

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*** RESPONSE EIGENVALUE = 0.1772E-02   OSCILLATION LIMIT = 0.8860E-02

HT FLOW CONVERGENCE VALUE= 65.97   CRITERION= 17.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.200
HT FLOW CONVERGENCE VALUE= 0.4446   CRITERION= 17.00   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 113 COMPLETED. CUM ITER = 113
*** TIME = 565.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7399E-02   OSCILLATION LIMIT = 0.3699E-01

HT FLOW CONVERGENCE VALUE= 65.39   CRITERION= 17.00
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.246
HT FLOW CONVERGENCE VALUE= 0.1284   CRITERION= 16.91   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 114 COMPLETED. CUM ITER = 114
*** TIME = 570.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1433E-02   OSCILLATION LIMIT = 0.7165E-02

HT FLOW CONVERGENCE VALUE= 65.00   CRITERION= 16.91
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.214
HT FLOW CONVERGENCE VALUE= 0.1585   CRITERION= 16.96   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 115 COMPLETED. CUM ITER = 115
*** TIME = 575.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2192E-03   OSCILLATION LIMIT = 0.1096E-02

HT FLOW CONVERGENCE VALUE= 64.84   CRITERION= 16.96
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.177
HT FLOW CONVERGENCE VALUE= 0.2365   CRITERION= 17.04   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 116 COMPLETED. CUM ITER = 116
*** TIME = 580.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3598E-03   OSCILLATION LIMIT = 0.1799E-02

HT FLOW CONVERGENCE VALUE= 64.71   CRITERION= 17.04
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.143
HT FLOW CONVERGENCE VALUE= 0.7122E-01 CRITERION= 16.99   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 117 COMPLETED. CUM ITER = 117
*** TIME = 585.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5953E-03   OSCILLATION LIMIT = 0.2976E-02

HT FLOW CONVERGENCE VALUE= 64.43   CRITERION= 16.99
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.110
HT FLOW CONVERGENCE VALUE= 0.3177   CRITERION= 16.72   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 118 COMPLETED. CUM ITER = 118
*** TIME = 590.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4959E-02   OSCILLATION LIMIT = 0.2479E-01

HT FLOW CONVERGENCE VALUE= 64.04   CRITERION= 16.72
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.159
HT FLOW CONVERGENCE VALUE= 0.2458   CRITERION= 16.84   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 119 COMPLETED. CUM ITER = 119
*** TIME = 595.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5068E-03   OSCILLATION LIMIT = 0.2534E-02

HT FLOW CONVERGENCE VALUE= 64.01   CRITERION= 16.84
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.088
HT FLOW CONVERGENCE VALUE= 0.4811   CRITERION= 17.07   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 120 COMPLETED. CUM ITER = 120
*** TIME = 600.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2421E-02   OSCILLATION LIMIT = 0.1211E-01

HT FLOW CONVERGENCE VALUE= 64.03   CRITERION= 17.07
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.016
HT FLOW CONVERGENCE VALUE= 0.9381E-01 CRITERION= 17.02   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 121 COMPLETED. CUM ITER = 121
*** TIME = 605.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7089E-03   OSCILLATION LIMIT = 0.3545E-02

HT FLOW CONVERGENCE VALUE= 63.92   CRITERION= 17.02
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.020
HT FLOW CONVERGENCE VALUE= 0.1249   CRITERION= 17.01   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 122 COMPLETED. CUM ITER = 122
*** TIME = 610.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3794E-03   OSCILLATION LIMIT = 0.1897E-02

HT FLOW CONVERGENCE VALUE= 63.98   CRITERION= 17.01
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.024
HT FLOW CONVERGENCE VALUE= 0.5825   CRITERION= 17.29   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 123 COMPLETED. CUM ITER = 123
*** TIME = 615.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3737E-02   OSCILLATION LIMIT = 0.1869E-01

HT FLOW CONVERGENCE VALUE= 64.09   CRITERION= 17.29
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.940
HT FLOW CONVERGENCE VALUE= 0.2085   CRITERION= 17.30   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 124 COMPLETED. CUM ITER = 124
*** TIME = 620.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6085E-03   OSCILLATION LIMIT = 0.3042E-02

HT FLOW CONVERGENCE VALUE= 64.44   CRITERION= 17.30
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.167
HT FLOW CONVERGENCE VALUE= 0.8176   CRITERION= 17.70   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 125 COMPLETED. CUM ITER = 125
*** TIME = 625.000   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7632E-02   OSCILLATION LIMIT = 0.3816E-01

HT FLOW CONVERGENCE VALUE= 64.88   CRITERION= 17.70
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.529
HT FLOW CONVERGENCE VALUE= 0.5592   CRITERION= 17.89   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 126 COMPLETED. CUM ITER = 126

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*** TIME = 630.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2628E-02  OSCILLATION LIMIT = 0.1314E-01

HT FLOW CONVERGENCE VALUE= 65.12  CRITERION= 17.89
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.875
HT FLOW CONVERGENCE VALUE= 0.2135  CRITERION= 17.87  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 127 COMPLETED. CUM ITER = 127
*** TIME = 635.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8814E-03  OSCILLATION LIMIT = 0.4407E-02

HT FLOW CONVERGENCE VALUE= 65.23  CRITERION= 17.87
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.884
HT FLOW CONVERGENCE VALUE= 0.2999  CRITERION= 17.93  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 128 COMPLETED. CUM ITER = 128
*** TIME = 640.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6360E-03  OSCILLATION LIMIT = 0.3180E-02

HT FLOW CONVERGENCE VALUE= 65.38  CRITERION= 17.93
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.863
HT FLOW CONVERGENCE VALUE= 0.3632  CRITERION= 18.03  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 129 COMPLETED. CUM ITER = 129
*** TIME = 645.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8527E-03  OSCILLATION LIMIT = 0.4263E-02

HT FLOW CONVERGENCE VALUE= 65.46  CRITERION= 18.03
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.820
HT FLOW CONVERGENCE VALUE= 0.1315  CRITERION= 17.98  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 130 COMPLETED. CUM ITER = 130
*** TIME = 650.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8104E-03  OSCILLATION LIMIT = 0.4052E-02

HT FLOW CONVERGENCE VALUE= 65.65  CRITERION= 17.98
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.883
HT FLOW CONVERGENCE VALUE= 0.5784  CRITERION= 18.24  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 131 COMPLETED. CUM ITER = 131
*** TIME = 655.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2704E-02  OSCILLATION LIMIT = 0.1352E-01

HT FLOW CONVERGENCE VALUE= 65.89  CRITERION= 18.24
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.789
HT FLOW CONVERGENCE VALUE= 0.3186  CRITERION= 18.29  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 132 COMPLETED. CUM ITER = 132
*** TIME = 660.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7657E-03  OSCILLATION LIMIT = 0.3829E-02

HT FLOW CONVERGENCE VALUE= 65.96  CRITERION= 18.29
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.780
HT FLOW CONVERGENCE VALUE= 0.6260E-01 CRITERION= 18.18  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 133 COMPLETED. CUM ITER = 133
*** TIME = 665.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1340E-02  OSCILLATION LIMIT = 0.6702E-02

HT FLOW CONVERGENCE VALUE= 66.01  CRITERION= 18.18
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.816
HT FLOW CONVERGENCE VALUE= 0.4219  CRITERION= 18.34  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 134 COMPLETED. CUM ITER = 134
*** TIME = 670.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1135E-02  OSCILLATION LIMIT = 0.5677E-02

HT FLOW CONVERGENCE VALUE= 66.15  CRITERION= 18.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.777
HT FLOW CONVERGENCE VALUE= 0.2915  CRITERION= 18.39  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 135 COMPLETED. CUM ITER = 135
*** TIME = 675.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5949E-03  OSCILLATION LIMIT = 0.2974E-02

HT FLOW CONVERGENCE VALUE= 66.49  CRITERION= 18.39
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.249
HT FLOW CONVERGENCE VALUE= 0.6481  CRITERION= 18.68  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 136 COMPLETED. CUM ITER = 136
*** TIME = 680.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3330E-02  OSCILLATION LIMIT = 0.1665E-01

HT FLOW CONVERGENCE VALUE= 66.77  CRITERION= 18.68
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.746
HT FLOW CONVERGENCE VALUE= 0.2811  CRITERION= 18.69  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 137 COMPLETED. CUM ITER = 137
*** TIME = 685.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7678E-03  OSCILLATION LIMIT = 0.3839E-02

HT FLOW CONVERGENCE VALUE= 67.18  CRITERION= 18.69
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.536
HT FLOW CONVERGENCE VALUE= 0.7109  CRITERION= 19.00  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 138 COMPLETED. CUM ITER = 138
*** TIME = 690.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3867E-02  OSCILLATION LIMIT = 0.1934E-01

HT FLOW CONVERGENCE VALUE= 67.70  CRITERION= 19.00
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.617
HT FLOW CONVERGENCE VALUE= 0.6304  CRITERION= 19.22  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 139 COMPLETED. CUM ITER = 139
*** TIME = 695.000          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2589E-02  OSCILLATION LIMIT = 0.1294E-01

HT FLOW CONVERGENCE VALUE= 67.87  CRITERION= 19.22
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.813
HT FLOW CONVERGENCE VALUE= 0.9301E-01 CRITERION= 19.00  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1

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*** LOAD STEP      1  SUBSTEP  140  COMPLETED.    CUM ITER =   140
*** TIME = 700.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3088E-02  OSCILLATION LIMIT = 0.1544E-01
HT FLOW CONVERGENCE VALUE= 68.08  CRITERION= 19.00
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.392
HT FLOW CONVERGENCE VALUE= 0.7074  CRITERION= 19.33  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  141  COMPLETED.    CUM ITER =   141
*** TIME = 705.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3681E-02  OSCILLATION LIMIT = 0.1841E-01
HT FLOW CONVERGENCE VALUE= 68.30  CRITERION= 19.33
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.714
HT FLOW CONVERGENCE VALUE= 0.1730  CRITERION= 19.26  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  142  COMPLETED.    CUM ITER =   142
*** TIME = 710.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1033E-02  OSCILLATION LIMIT = 0.5167E-02
HT FLOW CONVERGENCE VALUE= 68.44  CRITERION= 19.26
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.744
HT FLOW CONVERGENCE VALUE= 0.3048  CRITERION= 19.31  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  143  COMPLETED.    CUM ITER =   143
*** TIME = 715.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5414E-03  OSCILLATION LIMIT = 0.2707E-02
HT FLOW CONVERGENCE VALUE= 68.66  CRITERION= 19.31
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.744
HT FLOW CONVERGENCE VALUE= 0.4880  CRITERION= 19.48  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  144  COMPLETED.    CUM ITER =   144
*** TIME = 720.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1272E-02  OSCILLATION LIMIT = 0.6360E-02
HT FLOW CONVERGENCE VALUE= 68.76  CRITERION= 19.48
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.704
HT FLOW CONVERGENCE VALUE= 0.5757E-01  CRITERION= 19.34  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  145  COMPLETED.    CUM ITER =   145
*** TIME = 725.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1741E-02  OSCILLATION LIMIT = 0.8703E-02
HT FLOW CONVERGENCE VALUE= 68.59  CRITERION= 19.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.710
HT FLOW CONVERGENCE VALUE= 0.1758  CRITERION= 19.12  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  146  COMPLETED.    CUM ITER =   146
*** TIME = 730.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3142E-02  OSCILLATION LIMIT = 0.1571E-01
HT FLOW CONVERGENCE VALUE= 68.43  CRITERION= 19.12
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.740
HT FLOW CONVERGENCE VALUE= 0.3907  CRITERION= 19.28  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  147  COMPLETED.    CUM ITER =   147
*** TIME = 735.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8369E-03  OSCILLATION LIMIT = 0.4185E-02
HT FLOW CONVERGENCE VALUE= 68.76  CRITERION= 19.28
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.485
HT FLOW CONVERGENCE VALUE= 0.7257  CRITERION= 19.62  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  148  COMPLETED.    CUM ITER =   148
*** TIME = 740.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4029E-02  OSCILLATION LIMIT = 0.2014E-01
HT FLOW CONVERGENCE VALUE= 69.03  CRITERION= 19.62
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.707
HT FLOW CONVERGENCE VALUE= 0.2071  CRITERION= 19.57  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  149  COMPLETED.    CUM ITER =   149
*** TIME = 745.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8485E-03  OSCILLATION LIMIT = 0.4243E-02
HT FLOW CONVERGENCE VALUE= 69.29  CRITERION= 19.57
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.730
HT FLOW CONVERGENCE VALUE= 0.5438  CRITERION= 19.78  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  150  COMPLETED.    CUM ITER =   150
*** TIME = 750.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1692E-02  OSCILLATION LIMIT = 0.8461E-02
HT FLOW CONVERGENCE VALUE= 69.75  CRITERION= 19.78
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.574
HT FLOW CONVERGENCE VALUE= 0.6888  CRITERION= 20.06  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  151  COMPLETED.    CUM ITER =   151
*** TIME = 755.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2969E-02  OSCILLATION LIMIT = 0.1485E-01
HT FLOW CONVERGENCE VALUE= 69.91  CRITERION= 20.06
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.702
HT FLOW CONVERGENCE VALUE= 0.8832E-01  CRITERION= 19.83  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  152  COMPLETED.    CUM ITER =   152
*** TIME = 760.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2962E-02  OSCILLATION LIMIT = 0.1481E-01
HT FLOW CONVERGENCE VALUE= 69.64  CRITERION= 19.83
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.844
HT FLOW CONVERGENCE VALUE= 0.5259  CRITERION= 19.37  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  153  COMPLETED.    CUM ITER =   153
*** TIME = 765.000    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1016E-01  OSCILLATION LIMIT = 0.5081E-01
HT FLOW CONVERGENCE VALUE= 69.03  CRITERION= 19.37
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.708
HT FLOW CONVERGENCE VALUE= 0.1311  CRITERION= 19.24  <<< CONVERGED

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>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 154 COMPLETED. CUM ITER = 154
*** TIME = 770.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1840E-02 OSCILLATION LIMIT = 0.9202E-02

HT FLOW CONVERGENCE VALUE= 68.68 CRITERION= 19.24
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.696
HT FLOW CONVERGENCE VALUE= 0.1425 CRITERION= 19.26 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 155 COMPLETED. CUM ITER = 155
*** TIME = 775.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3018E-03 OSCILLATION LIMIT = 0.1509E-02

HT FLOW CONVERGENCE VALUE= 68.89 CRITERION= 19.26
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.025
HT FLOW CONVERGENCE VALUE= 0.8420 CRITERION= 19.72 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 156 COMPLETED. CUM ITER = 156
*** TIME = 780.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7035E-02 OSCILLATION LIMIT = 0.3518E-01

HT FLOW CONVERGENCE VALUE= 68.99 CRITERION= 19.72
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.675
HT FLOW CONVERGENCE VALUE= 0.1458 CRITERION= 19.46 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 157 COMPLETED. CUM ITER = 157
*** TIME = 785.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3427E-02 OSCILLATION LIMIT = 0.1714E-01

HT FLOW CONVERGENCE VALUE= 68.94 CRITERION= 19.46
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.695
HT FLOW CONVERGENCE VALUE= 0.3432 CRITERION= 19.59 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 158 COMPLETED. CUM ITER = 158
*** TIME = 790.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6041E-03 OSCILLATION LIMIT = 0.3021E-02

HT FLOW CONVERGENCE VALUE= 68.80 CRITERION= 19.59
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.671
HT FLOW CONVERGENCE VALUE= 0.2412 CRITERION= 19.31 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 159 COMPLETED. CUM ITER = 159
*** TIME = 795.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4220E-02 OSCILLATION LIMIT = 0.2110E-01

HT FLOW CONVERGENCE VALUE= 68.50 CRITERION= 19.31
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.673
HT FLOW CONVERGENCE VALUE= 0.7145E-01 CRITERION= 19.27 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 160 COMPLETED. CUM ITER = 160
*** TIME = 800.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5735E-03 OSCILLATION LIMIT = 0.2868E-02

HT FLOW CONVERGENCE VALUE= 68.24 CRITERION= 19.27
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.651
HT FLOW CONVERGENCE VALUE= 0.1062 CRITERION= 19.12 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 161 COMPLETED. CUM ITER = 161
*** TIME = 805.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1724E-02 OSCILLATION LIMIT = 0.8618E-02

HT FLOW CONVERGENCE VALUE= 68.00 CRITERION= 19.12
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.646
HT FLOW CONVERGENCE VALUE= 0.1205 CRITERION= 19.13 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 162 COMPLETED. CUM ITER = 162
*** TIME = 810.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3056E-03 OSCILLATION LIMIT = 0.1528E-02

HT FLOW CONVERGENCE VALUE= 67.87 CRITERION= 19.13
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.631
HT FLOW CONVERGENCE VALUE= 0.2141 CRITERION= 19.18 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 163 COMPLETED. CUM ITER = 163
*** TIME = 815.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2789E-03 OSCILLATION LIMIT = 0.1394E-02

HT FLOW CONVERGENCE VALUE= 67.74 CRITERION= 19.18
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.609
HT FLOW CONVERGENCE VALUE= 0.9562E-01 CRITERION= 19.03 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 164 COMPLETED. CUM ITER = 164
*** TIME = 820.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1735E-02 OSCILLATION LIMIT = 0.8676E-02

HT FLOW CONVERGENCE VALUE= 67.59 CRITERION= 19.03
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.618
HT FLOW CONVERGENCE VALUE= 0.3063 CRITERION= 19.16 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 165 COMPLETED. CUM ITER = 165
*** TIME = 825.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5957E-03 OSCILLATION LIMIT = 0.2979E-02

HT FLOW CONVERGENCE VALUE= 67.60 CRITERION= 19.16
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.583
HT FLOW CONVERGENCE VALUE= 0.2985 CRITERION= 19.25 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 166 COMPLETED. CUM ITER = 166
*** TIME = 830.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5269E-03 OSCILLATION LIMIT = 0.2635E-02

HT FLOW CONVERGENCE VALUE= 67.69 CRITERION= 19.25
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.570
HT FLOW CONVERGENCE VALUE= 0.3280 CRITERION= 19.36 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 167 COMPLETED. CUM ITER = 167
*** TIME = 835.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6479E-03 OSCILLATION LIMIT = 0.3240E-02

HT FLOW CONVERGENCE VALUE= 67.67 CRITERION= 19.36
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.550

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HT FLOW CONVERGENCE VALUE= 0.5794E-01 CRITERION= 19.26 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 168 COMPLETED. CUM ITER = 168
*** TIME = 840.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.9876E-03 OSCILLATION LIMIT = 0.4938E-02

HT FLOW CONVERGENCE VALUE= 67.65 CRITERION= 19.26
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.558
HT FLOW CONVERGENCE VALUE= 0.3364 CRITERION= 19.39 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 169 COMPLETED. CUM ITER = 169
*** TIME = 845.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6871E-03 OSCILLATION LIMIT = 0.3435E-02

HT FLOW CONVERGENCE VALUE= 67.85 CRITERION= 19.39
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.681
HT FLOW CONVERGENCE VALUE= 0.5214 CRITERION= 19.62 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 170 COMPLETED. CUM ITER = 170
*** TIME = 850.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2129E-02 OSCILLATION LIMIT = 0.1064E-01

HT FLOW CONVERGENCE VALUE= 68.01 CRITERION= 19.62
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.504
HT FLOW CONVERGENCE VALUE= 0.2335 CRITERION= 19.62 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 171 COMPLETED. CUM ITER = 171
*** TIME = 855.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5484E-03 OSCILLATION LIMIT = 0.2742E-02

HT FLOW CONVERGENCE VALUE= 68.22 CRITERION= 19.62
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.525
HT FLOW CONVERGENCE VALUE= 0.4905 CRITERION= 19.82 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 172 COMPLETED. CUM ITER = 172
*** TIME = 860.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1655E-02 OSCILLATION LIMIT = 0.8276E-02

HT FLOW CONVERGENCE VALUE= 68.22 CRITERION= 19.82
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.464
HT FLOW CONVERGENCE VALUE= 0.1276 CRITERION= 19.59 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 173 COMPLETED. CUM ITER = 173
*** TIME = 865.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3027E-02 OSCILLATION LIMIT = 0.1514E-01

HT FLOW CONVERGENCE VALUE= 67.98 CRITERION= 19.59
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.465
HT FLOW CONVERGENCE VALUE= 0.1583 CRITERION= 19.39 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 174 COMPLETED. CUM ITER = 174
*** TIME = 870.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2659E-02 OSCILLATION LIMIT = 0.1329E-01

HT FLOW CONVERGENCE VALUE= 67.76 CRITERION= 19.39
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.482
HT FLOW CONVERGENCE VALUE= 0.2522 CRITERION= 19.48 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 175 COMPLETED. CUM ITER = 175
*** TIME = 875.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3653E-03 OSCILLATION LIMIT = 0.1827E-02

HT FLOW CONVERGENCE VALUE= 67.58 CRITERION= 19.48
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.410
HT FLOW CONVERGENCE VALUE= 0.3535 CRITERION= 19.14 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 176 COMPLETED. CUM ITER = 176
*** TIME = 880.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6313E-02 OSCILLATION LIMIT = 0.3156E-01

HT FLOW CONVERGENCE VALUE= 67.31 CRITERION= 19.14
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.454
HT FLOW CONVERGENCE VALUE= 0.3739 CRITERION= 19.34 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 177 COMPLETED. CUM ITER = 177
*** TIME = 885.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1270E-02 OSCILLATION LIMIT = 0.6350E-02

HT FLOW CONVERGENCE VALUE= 67.24 CRITERION= 19.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.391
HT FLOW CONVERGENCE VALUE= 0.4654E-01 CRITERION= 19.25 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 178 COMPLETED. CUM ITER = 178
*** TIME = 890.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8813E-03 OSCILLATION LIMIT = 0.4406E-02

HT FLOW CONVERGENCE VALUE= 67.23 CRITERION= 19.25
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.401
HT FLOW CONVERGENCE VALUE= 0.3893 CRITERION= 19.43 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 179 COMPLETED. CUM ITER = 179
*** TIME = 895.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1188E-02 OSCILLATION LIMIT = 0.5938E-02

HT FLOW CONVERGENCE VALUE= 67.17 CRITERION= 19.43
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.371
HT FLOW CONVERGENCE VALUE= 0.1004 CRITERION= 19.25 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 180 COMPLETED. CUM ITER = 180
*** TIME = 900.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2115E-02 OSCILLATION LIMIT = 0.1057E-01

HT FLOW CONVERGENCE VALUE= 67.02 CRITERION= 19.25
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.377
HT FLOW CONVERGENCE VALUE= 0.2008 CRITERION= 19.30 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 181 COMPLETED. CUM ITER = 181
*** TIME = 905.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2643E-03 OSCILLATION LIMIT = 0.1322E-02

HT FLOW CONVERGENCE VALUE= 66.96 CRITERION= 19.30

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EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.355
HT FLOW CONVERGENCE VALUE= 0.1694 CRITERION= 19.32 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 182 COMPLETED. CUM ITER = 182
*** TIME = 910.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2952E-03 OSCILLATION LIMIT = 0.1476E-02

HT FLOW CONVERGENCE VALUE= 66.85 CRITERION= 19.32
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.343
HT FLOW CONVERGENCE VALUE= 0.6192E-01 CRITERION= 19.18 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 183 COMPLETED. CUM ITER = 183
*** TIME = 915.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1394E-02 OSCILLATION LIMIT = 0.6969E-02

HT FLOW CONVERGENCE VALUE= 66.58 CRITERION= 19.18
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.332
HT FLOW CONVERGENCE VALUE= 0.2880 CRITERION= 18.91 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 184 COMPLETED. CUM ITER = 184
*** TIME = 920.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4611E-02 OSCILLATION LIMIT = 0.2306E-01

HT FLOW CONVERGENCE VALUE= 66.24 CRITERION= 18.91
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.327
HT FLOW CONVERGENCE VALUE= 0.1927 CRITERION= 19.00 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 185 COMPLETED. CUM ITER = 185
*** TIME = 925.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2890E-03 OSCILLATION LIMIT = 0.1445E-02

HT FLOW CONVERGENCE VALUE= 66.14 CRITERION= 19.00
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.310
HT FLOW CONVERGENCE VALUE= 0.1683 CRITERION= 19.03 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 186 COMPLETED. CUM ITER = 186
*** TIME = 930.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2272E-03 OSCILLATION LIMIT = 0.1136E-02

HT FLOW CONVERGENCE VALUE= 66.15 CRITERION= 19.03
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.301
HT FLOW CONVERGENCE VALUE= 0.3277 CRITERION= 19.17 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 187 COMPLETED. CUM ITER = 187
*** TIME = 935.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8523E-03 OSCILLATION LIMIT = 0.4261E-02

HT FLOW CONVERGENCE VALUE= 66.07 CRITERION= 19.17
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.288
HT FLOW CONVERGENCE VALUE= 0.1141 CRITERION= 18.98 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 188 COMPLETED. CUM ITER = 188
*** TIME = 940.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2185E-02 OSCILLATION LIMIT = 0.1093E-01

HT FLOW CONVERGENCE VALUE= 65.80 CRITERION= 18.98
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.279
HT FLOW CONVERGENCE VALUE= 0.2473 CRITERION= 18.74 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 189 COMPLETED. CUM ITER = 189
*** TIME = 945.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3805E-02 OSCILLATION LIMIT = 0.1903E-01

HT FLOW CONVERGENCE VALUE= 65.57 CRITERION= 18.74
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.274
HT FLOW CONVERGENCE VALUE= 0.4160 CRITERION= 18.99 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 190 COMPLETED. CUM ITER = 190
*** TIME = 950.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2201E-02 OSCILLATION LIMIT = 0.1100E-01

HT FLOW CONVERGENCE VALUE= 65.66 CRITERION= 18.99
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.259
HT FLOW CONVERGENCE VALUE= 0.3521 CRITERION= 19.13 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 191 COMPLETED. CUM ITER = 191
*** TIME = 955.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1065E-02 OSCILLATION LIMIT = 0.5324E-02

HT FLOW CONVERGENCE VALUE= 66.16 CRITERION= 19.13
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 4.417
HT FLOW CONVERGENCE VALUE= 0.8918 CRITERION= 19.64 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 192 COMPLETED. CUM ITER = 192
*** TIME = 960.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1068E-01 OSCILLATION LIMIT = 0.5339E-01

HT FLOW CONVERGENCE VALUE= 66.26 CRITERION= 19.64
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.232
HT FLOW CONVERGENCE VALUE= 0.5099E-01 CRITERION= 19.42 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 193 COMPLETED. CUM ITER = 193
*** TIME = 965.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2575E-02 OSCILLATION LIMIT = 0.1287E-01

HT FLOW CONVERGENCE VALUE= 66.06 CRITERION= 19.42
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.223
HT FLOW CONVERGENCE VALUE= 0.4045 CRITERION= 19.02 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 194 COMPLETED. CUM ITER = 194
*** TIME = 970.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8342E-02 OSCILLATION LIMIT = 0.4171E-01

HT FLOW CONVERGENCE VALUE= 65.64 CRITERION= 19.02
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.224
HT FLOW CONVERGENCE VALUE= 0.7075E-01 CRITERION= 19.02 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 195 COMPLETED. CUM ITER = 195
*** TIME = 975.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3371E-03 OSCILLATION LIMIT = 0.1685E-02

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HT FLOW CONVERGENCE VALUE= 65.54 CRITERION= 19.02
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.214
HT FLOW CONVERGENCE VALUE= 0.2792 CRITERION= 19.15 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 196 COMPLETED. CUM ITER = 196
*** TIME = 980.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6103E-03 OSCILLATION LIMIT = 0.3052E-02

HT FLOW CONVERGENCE VALUE= 65.53 CRITERION= 19.15
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.200
HT FLOW CONVERGENCE VALUE= 0.1253 CRITERION= 19.13 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 197 COMPLETED. CUM ITER = 197
*** TIME = 985.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3477E-03 OSCILLATION LIMIT = 0.1738E-02

HT FLOW CONVERGENCE VALUE= 65.57 CRITERION= 19.13
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.196
HT FLOW CONVERGENCE VALUE= 0.3424 CRITERION= 19.28 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 198 COMPLETED. CUM ITER = 198
*** TIME = 990.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.9811E-03 OSCILLATION LIMIT = 0.4905E-02

HT FLOW CONVERGENCE VALUE= 65.66 CRITERION= 19.28
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.180
HT FLOW CONVERGENCE VALUE= 0.2706 CRITERION= 19.35 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 199 COMPLETED. CUM ITER = 199
*** TIME = 995.000 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5266E-03 OSCILLATION LIMIT = 0.2633E-02

HT FLOW CONVERGENCE VALUE= 65.63 CRITERION= 19.35
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.166
HT FLOW CONVERGENCE VALUE= 0.3399E-01 CRITERION= 19.23 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 200 COMPLETED. CUM ITER = 200
*** TIME = 1000.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1201E-02 OSCILLATION LIMIT = 0.6005E-02

HT FLOW CONVERGENCE VALUE= 65.41 CRITERION= 19.23
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.155
HT FLOW CONVERGENCE VALUE= 0.3765 CRITERION= 18.87 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 201 COMPLETED. CUM ITER = 201
*** TIME = 1005.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7286E-02 OSCILLATION LIMIT = 0.3643E-01

HT FLOW CONVERGENCE VALUE= 65.09 CRITERION= 18.87
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.166
HT FLOW CONVERGENCE VALUE= 0.3075 CRITERION= 19.05 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 202 COMPLETED. CUM ITER = 202
*** TIME = 1010.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1082E-02 OSCILLATION LIMIT = 0.5409E-02

HT FLOW CONVERGENCE VALUE= 65.03 CRITERION= 19.05
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.142
HT FLOW CONVERGENCE VALUE= 0.8538E-01 CRITERION= 19.01 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 203 COMPLETED. CUM ITER = 203
*** TIME = 1015.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4029E-03 OSCILLATION LIMIT = 0.2014E-02

HT FLOW CONVERGENCE VALUE= 64.94 CRITERION= 19.01
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.136
HT FLOW CONVERGENCE VALUE= 0.7477E-01 CRITERION= 18.98 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 204 COMPLETED. CUM ITER = 204
*** TIME = 1020.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3950E-03 OSCILLATION LIMIT = 0.1975E-02

HT FLOW CONVERGENCE VALUE= 64.84 CRITERION= 18.98
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.127
HT FLOW CONVERGENCE VALUE= 0.1630 CRITERION= 19.01 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 205 COMPLETED. CUM ITER = 205
*** TIME = 1025.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2279E-03 OSCILLATION LIMIT = 0.1139E-02

HT FLOW CONVERGENCE VALUE= 64.89 CRITERION= 19.01
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.119
HT FLOW CONVERGENCE VALUE= 0.3566 CRITERION= 19.18 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 206 COMPLETED. CUM ITER = 206
*** TIME = 1030.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1232E-02 OSCILLATION LIMIT = 0.6159E-02

HT FLOW CONVERGENCE VALUE= 65.17 CRITERION= 19.18
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.052
HT FLOW CONVERGENCE VALUE= 0.5817 CRITERION= 19.48 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 207 COMPLETED. CUM ITER = 207
*** TIME = 1035.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4083E-02 OSCILLATION LIMIT = 0.2042E-01

HT FLOW CONVERGENCE VALUE= 65.13 CRITERION= 19.48
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.270
HT FLOW CONVERGENCE VALUE= 0.4064 CRITERION= 19.03 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 208 COMPLETED. CUM ITER = 208
*** TIME = 1040.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.9819E-02 OSCILLATION LIMIT = 0.4910E-01

HT FLOW CONVERGENCE VALUE= 64.73 CRITERION= 19.03
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= -2.106
HT FLOW CONVERGENCE VALUE= 0.3881 CRITERION= 18.68 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 209 COMPLETED. CUM ITER = 209
*** TIME = 1045.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7179E-02 OSCILLATION LIMIT = 0.3590E-01

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HT FLOW CONVERGENCE VALUE= 64.27      CRITERION= 18.68
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.092
HT FLOW CONVERGENCE VALUE= 0.8523E-01 CRITERION= 18.72 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 210 COMPLETED. CUM ITER = 210
*** TIME = 1050.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2106E-03 OSCILLATION LIMIT = 0.1053E-02

HT FLOW CONVERGENCE VALUE= 64.25      CRITERION= 18.72
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.242
HT FLOW CONVERGENCE VALUE= 0.4342      CRITERION= 18.98 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 211 COMPLETED. CUM ITER = 211
*** TIME = 1055.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2686E-02 OSCILLATION LIMIT = 0.1343E-01

HT FLOW CONVERGENCE VALUE= 64.21      CRITERION= 18.98
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.061
HT FLOW CONVERGENCE VALUE= 0.1108      CRITERION= 18.79 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 212 COMPLETED. CUM ITER = 212
*** TIME = 1060.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2194E-02 OSCILLATION LIMIT = 0.1097E-01

HT FLOW CONVERGENCE VALUE= 64.06      CRITERION= 18.79
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.060
HT FLOW CONVERGENCE VALUE= 0.1527      CRITERION= 18.83 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 213 COMPLETED. CUM ITER = 213
*** TIME = 1065.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1993E-03 OSCILLATION LIMIT = 0.9965E-03

HT FLOW CONVERGENCE VALUE= 64.17      CRITERION= 18.83
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.667
HT FLOW CONVERGENCE VALUE= 0.5183      CRITERION= 19.13 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 214 COMPLETED. CUM ITER = 214
*** TIME = 1070.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3812E-02 OSCILLATION LIMIT = 0.1906E-01

HT FLOW CONVERGENCE VALUE= 64.26      CRITERION= 19.13
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.043
HT FLOW CONVERGENCE VALUE= 0.1457      CRITERION= 19.10 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 215 COMPLETED. CUM ITER = 215
*** TIME = 1075.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4846E-03 OSCILLATION LIMIT = 0.2423E-02

HT FLOW CONVERGENCE VALUE= 64.27      CRITERION= 19.10
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.040
HT FLOW CONVERGENCE VALUE= 0.1696      CRITERION= 19.12 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 216 COMPLETED. CUM ITER = 216
*** TIME = 1080.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3128E-03 OSCILLATION LIMIT = 0.1564E-02

HT FLOW CONVERGENCE VALUE= 64.27      CRITERION= 19.12
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.032
HT FLOW CONVERGENCE VALUE= 0.1889      CRITERION= 19.15 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 217 COMPLETED. CUM ITER = 217
*** TIME = 1085.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3154E-03 OSCILLATION LIMIT = 0.1577E-02

HT FLOW CONVERGENCE VALUE= 64.52      CRITERION= 19.15
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.975
HT FLOW CONVERGENCE VALUE= 0.5849      CRITERION= 19.48 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 218 COMPLETED. CUM ITER = 218
*** TIME = 1090.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4491E-02 OSCILLATION LIMIT = 0.2245E-01

HT FLOW CONVERGENCE VALUE= 64.67      CRITERION= 19.48
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.014
HT FLOW CONVERGENCE VALUE= 0.1792      CRITERION= 19.45 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 219 COMPLETED. CUM ITER = 219
*** TIME = 1095.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5980E-03 OSCILLATION LIMIT = 0.2990E-02

HT FLOW CONVERGENCE VALUE= 64.62      CRITERION= 19.45
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.008
HT FLOW CONVERGENCE VALUE= 0.9057E-01 CRITERION= 19.26 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 220 COMPLETED. CUM ITER = 220
*** TIME = 1100.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2260E-02 OSCILLATION LIMIT = 0.1130E-01

HT FLOW CONVERGENCE VALUE= 64.41      CRITERION= 19.26
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.998
HT FLOW CONVERGENCE VALUE= 0.9726E-01 CRITERION= 19.10 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 221 COMPLETED. CUM ITER = 221
*** TIME = 1105.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1835E-02 OSCILLATION LIMIT = 0.9176E-02

HT FLOW CONVERGENCE VALUE= 64.16      CRITERION= 19.10
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.990
HT FLOW CONVERGENCE VALUE= 0.1739      CRITERION= 18.90 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 222 COMPLETED. CUM ITER = 222
*** TIME = 1110.00      TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2752E-02 OSCILLATION LIMIT = 0.1376E-01

HT FLOW CONVERGENCE VALUE= 63.99      CRITERION= 18.90
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.986
HT FLOW CONVERGENCE VALUE= 0.3057      CRITERION= 19.08 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 223 COMPLETED. CUM ITER = 223
*** TIME = 1115.00      TIME INC = 5.00000

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*** RESPONSE EIGENVALUE = 0.1106E-02   OSCILLATION LIMIT = 0.5532E-02

HT FLOW CONVERGENCE VALUE= 64.04   CRITERION= 19.08
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.976
HT FLOW CONVERGENCE VALUE= 0.2487   CRITERION= 19.16   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 224 COMPLETED. CUM ITER = 224
*** TIME = 1120.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5049E-03   OSCILLATION LIMIT = 0.2525E-02

HT FLOW CONVERGENCE VALUE= 64.00   CRITERION= 19.16
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.972
HT FLOW CONVERGENCE VALUE= 0.5539E-01 CRITERION= 19.02   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 225 COMPLETED. CUM ITER = 225
*** TIME = 1125.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1459E-02   OSCILLATION LIMIT = 0.7293E-02

HT FLOW CONVERGENCE VALUE= 63.79   CRITERION= 19.02
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.966
HT FLOW CONVERGENCE VALUE= 0.2519   CRITERION= 18.75   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 226 COMPLETED. CUM ITER = 226
*** TIME = 1130.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4374E-02   OSCILLATION LIMIT = 0.2187E-01

HT FLOW CONVERGENCE VALUE= 63.49   CRITERION= 18.75
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.960
HT FLOW CONVERGENCE VALUE= 0.1198   CRITERION= 18.79   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 227 COMPLETED. CUM ITER = 227
*** TIME = 1135.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1737E-03   OSCILLATION LIMIT = 0.8686E-03

HT FLOW CONVERGENCE VALUE= 63.35   CRITERION= 18.79
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.949
HT FLOW CONVERGENCE VALUE= 0.4765E-01 CRITERION= 18.69   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 228 COMPLETED. CUM ITER = 228
*** TIME = 1140.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.9218E-03   OSCILLATION LIMIT = 0.4609E-02

HT FLOW CONVERGENCE VALUE= 63.14   CRITERION= 18.69
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.943
HT FLOW CONVERGENCE VALUE= 0.1028   CRITERION= 18.55   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 229 COMPLETED. CUM ITER = 229
*** TIME = 1145.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1472E-02   OSCILLATION LIMIT = 0.7361E-02

HT FLOW CONVERGENCE VALUE= 63.03   CRITERION= 18.55
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.935
HT FLOW CONVERGENCE VALUE= 0.3614   CRITERION= 18.78   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 230 COMPLETED. CUM ITER = 230
*** TIME = 1150.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2069E-02   OSCILLATION LIMIT = 0.1035E-01

HT FLOW CONVERGENCE VALUE= 63.19   CRITERION= 18.78
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.370
HT FLOW CONVERGENCE VALUE= 0.4231   CRITERION= 19.01   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 231 COMPLETED. CUM ITER = 231
*** TIME = 1155.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2451E-02   OSCILLATION LIMIT = 0.1226E-01

HT FLOW CONVERGENCE VALUE= 63.14   CRITERION= 19.01
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.915
HT FLOW CONVERGENCE VALUE= 0.2131   CRITERION= 18.71   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 232 COMPLETED. CUM ITER = 232
*** TIME = 1160.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4485E-02   OSCILLATION LIMIT = 0.2242E-01

HT FLOW CONVERGENCE VALUE= 62.99   CRITERION= 18.71
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.916
HT FLOW CONVERGENCE VALUE= 0.2531   CRITERION= 18.85   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 233 COMPLETED. CUM ITER = 233
*** TIME = 1165.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6971E-03   OSCILLATION LIMIT = 0.3485E-02

HT FLOW CONVERGENCE VALUE= 62.99   CRITERION= 18.85
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.905
HT FLOW CONVERGENCE VALUE= 0.1685   CRITERION= 18.88   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 234 COMPLETED. CUM ITER = 234
*** TIME = 1170.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2736E-03   OSCILLATION LIMIT = 0.1368E-02

HT FLOW CONVERGENCE VALUE= 62.93   CRITERION= 18.88
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.901
HT FLOW CONVERGENCE VALUE= 0.3493E-01 CRITERION= 18.80   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 235 COMPLETED. CUM ITER = 235
*** TIME = 1175.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6786E-03   OSCILLATION LIMIT = 0.3393E-02

HT FLOW CONVERGENCE VALUE= 62.92   CRITERION= 18.80
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.895
HT FLOW CONVERGENCE VALUE= 0.2865   CRITERION= 18.94   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 236 COMPLETED. CUM ITER = 236
*** TIME = 1180.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8864E-03   OSCILLATION LIMIT = 0.4432E-02

HT FLOW CONVERGENCE VALUE= 62.86   CRITERION= 18.94
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.882
HT FLOW CONVERGENCE VALUE= 0.1001   CRITERION= 18.75   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 237 COMPLETED. CUM ITER = 237

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*** TIME = 1185.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2096E-02  OSCILLATION LIMIT = 0.1048E-01

HT FLOW CONVERGENCE VALUE= 62.86      CRITERION= 18.75
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.217
HT FLOW CONVERGENCE VALUE= 0.4212     CRITERION= 19.01 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 238 COMPLETED. CUM ITER = 238
*** TIME = 1190.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2703E-02  OSCILLATION LIMIT = 0.1351E-01

HT FLOW CONVERGENCE VALUE= 62.91      CRITERION= 19.01
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.867
HT FLOW CONVERGENCE VALUE= 0.1079     CRITERION= 18.97 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 239 COMPLETED. CUM ITER = 239
*** TIME = 1195.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4603E-03  OSCILLATION LIMIT = 0.2302E-02

HT FLOW CONVERGENCE VALUE= 62.92      CRITERION= 18.97
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.867
HT FLOW CONVERGENCE VALUE= 0.2048     CRITERION= 19.03 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 240 COMPLETED. CUM ITER = 240
*** TIME = 1200.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3562E-03  OSCILLATION LIMIT = 0.1781E-02

HT FLOW CONVERGENCE VALUE= 62.84      CRITERION= 19.03
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.857
HT FLOW CONVERGENCE VALUE= 0.1335     CRITERION= 18.81 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 241 COMPLETED. CUM ITER = 241
*** TIME = 1205.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2673E-02  OSCILLATION LIMIT = 0.1336E-01

HT FLOW CONVERGENCE VALUE= 62.64      CRITERION= 18.81
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.855
HT FLOW CONVERGENCE VALUE= 0.3540E-01 CRITERION= 18.76 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 242 COMPLETED. CUM ITER = 242
*** TIME = 1210.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4728E-03  OSCILLATION LIMIT = 0.2364E-02

HT FLOW CONVERGENCE VALUE= 62.65      CRITERION= 18.76
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.008
HT FLOW CONVERGENCE VALUE= 0.3799     CRITERION= 18.99 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 243 COMPLETED. CUM ITER = 243
*** TIME = 1215.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2101E-02  OSCILLATION LIMIT = 0.1051E-01

HT FLOW CONVERGENCE VALUE= 62.67      CRITERION= 18.99
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.836
HT FLOW CONVERGENCE VALUE= 0.3405E-01 CRITERION= 18.89 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 244 COMPLETED. CUM ITER = 244
*** TIME = 1220.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8613E-03  OSCILLATION LIMIT = 0.4307E-02

HT FLOW CONVERGENCE VALUE= 62.57      CRITERION= 18.89
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.835
HT FLOW CONVERGENCE VALUE= 0.3108E-01 CRITERION= 18.81 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 245 COMPLETED. CUM ITER = 245
*** TIME = 1225.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6410E-03  OSCILLATION LIMIT = 0.3205E-02

HT FLOW CONVERGENCE VALUE= 62.43      CRITERION= 18.81
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.827
HT FLOW CONVERGENCE VALUE= 0.2857E-01 CRITERION= 18.75 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 246 COMPLETED. CUM ITER = 246
*** TIME = 1230.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5925E-03  OSCILLATION LIMIT = 0.2962E-02

HT FLOW CONVERGENCE VALUE= 62.35      CRITERION= 18.75
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.821
HT FLOW CONVERGENCE VALUE= 0.1664     CRITERION= 18.80 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 247 COMPLETED. CUM ITER = 247
*** TIME = 1235.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2436E-03  OSCILLATION LIMIT = 0.1218E-02

HT FLOW CONVERGENCE VALUE= 62.23      CRITERION= 18.80
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.810
HT FLOW CONVERGENCE VALUE= 0.2934     CRITERION= 18.48 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 248 COMPLETED. CUM ITER = 248
*** TIME = 1240.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5932E-02  OSCILLATION LIMIT = 0.2966E-01

HT FLOW CONVERGENCE VALUE= 61.92      CRITERION= 18.48
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.809
HT FLOW CONVERGENCE VALUE= 0.6439E-01 CRITERION= 18.49 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 249 COMPLETED. CUM ITER = 249
*** TIME = 1245.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1823E-03  OSCILLATION LIMIT = 0.9114E-03

HT FLOW CONVERGENCE VALUE= 61.77      CRITERION= 18.49
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.794
HT FLOW CONVERGENCE VALUE= 0.2859E-01 CRITERION= 18.42 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 250 COMPLETED. CUM ITER = 250
*** TIME = 1250.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5939E-03  OSCILLATION LIMIT = 0.2970E-02

HT FLOW CONVERGENCE VALUE= 61.90      CRITERION= 18.41
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.292
HT FLOW CONVERGENCE VALUE= 0.6149     CRITERION= 18.85 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1

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*** LOAD STEP      1  SUBSTEP  251  COMPLETED.    CUM ITER =   251
*** TIME = 1255.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8283E-02  OSCILLATION LIMIT = 0.4142E-01

HT FLOW CONVERGENCE VALUE= 62.18  CRITERION= 18.85
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.766
HT FLOW CONVERGENCE VALUE= 0.4441  CRITERION= 19.06  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  252  COMPLETED.    CUM ITER =   252
*** TIME = 1260.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2786E-02  OSCILLATION LIMIT = 0.1393E-01

HT FLOW CONVERGENCE VALUE= 62.45  CRITERION= 19.06
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.517
HT FLOW CONVERGENCE VALUE= 0.4076  CRITERION= 19.24  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  253  COMPLETED.    CUM ITER =   253
*** TIME = 1265.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1998E-02  OSCILLATION LIMIT = 0.9991E-02

HT FLOW CONVERGENCE VALUE= 62.41  CRITERION= 19.24
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.907
HT FLOW CONVERGENCE VALUE= 0.1994  CRITERION= 18.92  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  254  COMPLETED.    CUM ITER =   254
*** TIME = 1270.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4967E-02  OSCILLATION LIMIT = 0.2483E-01

HT FLOW CONVERGENCE VALUE= 62.14  CRITERION= 18.92
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= -2.040
HT FLOW CONVERGENCE VALUE= 0.3693  CRITERION= 18.54  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  255  COMPLETED.    CUM ITER =   255
*** TIME = 1275.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8224E-02  OSCILLATION LIMIT = 0.4112E-01

HT FLOW CONVERGENCE VALUE= 61.72  CRITERION= 18.54
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.763
HT FLOW CONVERGENCE VALUE= 0.2126  CRITERION= 18.34  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  256  COMPLETED.    CUM ITER =   256
*** TIME = 1280.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3161E-02  OSCILLATION LIMIT = 0.1580E-01

HT FLOW CONVERGENCE VALUE= 61.43  CRITERION= 18.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.757
HT FLOW CONVERGENCE VALUE= 0.1553  CRITERION= 18.44  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  257  COMPLETED.    CUM ITER =   257
*** TIME = 1285.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3424E-03  OSCILLATION LIMIT = 0.1712E-02

HT FLOW CONVERGENCE VALUE= 61.33  CRITERION= 18.44
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.750
HT FLOW CONVERGENCE VALUE= 0.2422E-01 CRITERION= 18.37  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  258  COMPLETED.    CUM ITER =   258
*** TIME = 1290.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5249E-03  OSCILLATION LIMIT = 0.2625E-02

HT FLOW CONVERGENCE VALUE= 61.27  CRITERION= 18.37
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.748
HT FLOW CONVERGENCE VALUE= 0.2416  CRITERION= 18.51  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  259  COMPLETED.    CUM ITER =   259
*** TIME = 1295.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8181E-03  OSCILLATION LIMIT = 0.4091E-02

HT FLOW CONVERGENCE VALUE= 61.16  CRITERION= 18.51
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.739
HT FLOW CONVERGENCE VALUE= 0.2543  CRITERION= 18.21  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  260  COMPLETED.    CUM ITER =   260
*** TIME = 1300.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5056E-02  OSCILLATION LIMIT = 0.2528E-01

HT FLOW CONVERGENCE VALUE= 60.90  CRITERION= 18.21
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= -2.549
HT FLOW CONVERGENCE VALUE= 0.4502  CRITERION= 17.80  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  261  COMPLETED.    CUM ITER =   261
*** TIME = 1305.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1044E-01  OSCILLATION LIMIT = 0.5221E-01

HT FLOW CONVERGENCE VALUE= 60.40  CRITERION= 17.80
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.732
HT FLOW CONVERGENCE VALUE= 0.1126  CRITERION= 17.72  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  262  COMPLETED.    CUM ITER =   262
*** TIME = 1310.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1047E-02  OSCILLATION LIMIT = 0.5233E-02

HT FLOW CONVERGENCE VALUE= 60.15  CRITERION= 17.72
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.722
HT FLOW CONVERGENCE VALUE= 0.1797  CRITERION= 17.86  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  263  COMPLETED.    CUM ITER =   263
*** TIME = 1315.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7229E-03  OSCILLATION LIMIT = 0.3615E-02

HT FLOW CONVERGENCE VALUE= 60.05  CRITERION= 17.86
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.713
HT FLOW CONVERGENCE VALUE= 0.9402E-01 CRITERION= 17.88  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP      1  SUBSTEP  264  COMPLETED.    CUM ITER =   264
*** TIME = 1320.00    TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1073E-03  OSCILLATION LIMIT = 0.5366E-03

HT FLOW CONVERGENCE VALUE= 59.97  CRITERION= 17.88
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.709
HT FLOW CONVERGENCE VALUE= 0.1610  CRITERION= 17.95  <<< CONVERGED

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>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 265 COMPLETED. CUM ITER = 265
*** TIME = 1325.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3252E-03 OSCILLATION LIMIT = 0.1626E-02

HT FLOW CONVERGENCE VALUE= 59.85 CRITERION= 17.95
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.701
HT FLOW CONVERGENCE VALUE= 0.1171 CRITERION= 17.78 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 266 COMPLETED. CUM ITER = 266
*** TIME = 1330.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1857E-02 OSCILLATION LIMIT = 0.9283E-02

HT FLOW CONVERGENCE VALUE= 59.65 CRITERION= 17.78
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.699
HT FLOW CONVERGENCE VALUE= 0.6528E-01 CRITERION= 17.79 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 267 COMPLETED. CUM ITER = 267
*** TIME = 1335.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1081E-03 OSCILLATION LIMIT = 0.5403E-03

HT FLOW CONVERGENCE VALUE= 59.56 CRITERION= 17.79
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.690
HT FLOW CONVERGENCE VALUE= 0.1571 CRITERION= 17.87 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 268 COMPLETED. CUM ITER = 268
*** TIME = 1340.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3179E-03 OSCILLATION LIMIT = 0.1589E-02

HT FLOW CONVERGENCE VALUE= 59.48 CRITERION= 17.87
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.685
HT FLOW CONVERGENCE VALUE= 0.4373E-01 CRITERION= 17.83 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 269 COMPLETED. CUM ITER = 269
*** TIME = 1345.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2798E-03 OSCILLATION LIMIT = 0.1399E-02

HT FLOW CONVERGENCE VALUE= 59.56 CRITERION= 17.83
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.500
HT FLOW CONVERGENCE VALUE= 0.4465 CRITERION= 18.14 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 270 COMPLETED. CUM ITER = 270
*** TIME = 1350.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4823E-02 OSCILLATION LIMIT = 0.2412E-01

HT FLOW CONVERGENCE VALUE= 59.53 CRITERION= 18.14
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.674
HT FLOW CONVERGENCE VALUE= 0.7070E-01 CRITERION= 17.96 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 271 COMPLETED. CUM ITER = 271
*** TIME = 1355.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1841E-02 OSCILLATION LIMIT = 0.9204E-02

HT FLOW CONVERGENCE VALUE= 59.50 CRITERION= 17.96
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.674
HT FLOW CONVERGENCE VALUE= 0.2827 CRITERION= 18.13 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 272 COMPLETED. CUM ITER = 272
*** TIME = 1360.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1400E-02 OSCILLATION LIMIT = 0.7002E-02

HT FLOW CONVERGENCE VALUE= 59.86 CRITERION= 18.13
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.471
HT FLOW CONVERGENCE VALUE= 0.6297 CRITERION= 18.55 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 273 COMPLETED. CUM ITER = 273
*** TIME = 1365.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.9080E-02 OSCILLATION LIMIT = 0.4540E-01

HT FLOW CONVERGENCE VALUE= 59.81 CRITERION= 18.55
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.887
HT FLOW CONVERGENCE VALUE= 0.2463 CRITERION= 18.18 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 274 COMPLETED. CUM ITER = 274
*** TIME = 1370.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6979E-02 OSCILLATION LIMIT = 0.3489E-01

HT FLOW CONVERGENCE VALUE= 59.56 CRITERION= 18.18
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.658
HT FLOW CONVERGENCE VALUE= 0.1597 CRITERION= 17.98 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 275 COMPLETED. CUM ITER = 275
*** TIME = 1375.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2844E-02 OSCILLATION LIMIT = 0.1422E-01

HT FLOW CONVERGENCE VALUE= 59.33 CRITERION= 17.98
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.649
HT FLOW CONVERGENCE VALUE= 0.5818E-01 CRITERION= 17.98 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 276 COMPLETED. CUM ITER = 276
*** TIME = 1380.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1807E-03 OSCILLATION LIMIT = 0.9037E-03

HT FLOW CONVERGENCE VALUE= 59.32 CRITERION= 17.98
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.642
HT FLOW CONVERGENCE VALUE= 0.2568 CRITERION= 18.13 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 277 COMPLETED. CUM ITER = 277
*** TIME = 1385.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1125E-02 OSCILLATION LIMIT = 0.5623E-02

HT FLOW CONVERGENCE VALUE= 59.37 CRITERION= 18.13
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.637
HT FLOW CONVERGENCE VALUE= 0.1877 CRITERION= 18.19 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 278 COMPLETED. CUM ITER = 278
*** TIME = 1390.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4173E-03 OSCILLATION LIMIT = 0.2087E-02

HT FLOW CONVERGENCE VALUE= 59.35 CRITERION= 18.19
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.632

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HT FLOW CONVERGENCE VALUE= 0.3148E-01 CRITERION= 18.11 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 279 COMPLETED. CUM ITER = 279
*** TIME = 1395.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6220E-03 OSCILLATION LIMIT = 0.3110E-02

HT FLOW CONVERGENCE VALUE= 59.21 CRITERION= 18.11
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.627
HT FLOW CONVERGENCE VALUE= 0.1270 CRITERION= 17.93 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 280 COMPLETED. CUM ITER = 280
*** TIME = 1400.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2318E-02 OSCILLATION LIMIT = 0.1159E-01

HT FLOW CONVERGENCE VALUE= 59.04 CRITERION= 17.93
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.622
HT FLOW CONVERGENCE VALUE= 0.7447E-01 CRITERION= 17.94 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 281 COMPLETED. CUM ITER = 281
*** TIME = 1405.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1443E-03 OSCILLATION LIMIT = 0.7213E-03

HT FLOW CONVERGENCE VALUE= 59.05 CRITERION= 17.94
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.615
HT FLOW CONVERGENCE VALUE= 0.2792 CRITERION= 18.11 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 282 COMPLETED. CUM ITER = 282
*** TIME = 1410.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1444E-02 OSCILLATION LIMIT = 0.7220E-02

HT FLOW CONVERGENCE VALUE= 59.07 CRITERION= 18.11
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.609
HT FLOW CONVERGENCE VALUE= 0.9600E-01 CRITERION= 18.09 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 283 COMPLETED. CUM ITER = 283
*** TIME = 1415.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2818E-03 OSCILLATION LIMIT = 0.1409E-02

HT FLOW CONVERGENCE VALUE= 59.11 CRITERION= 18.09
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.606
HT FLOW CONVERGENCE VALUE= 0.2387 CRITERION= 18.20 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 284 COMPLETED. CUM ITER = 284
*** TIME = 1420.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8069E-03 OSCILLATION LIMIT = 0.4035E-02

HT FLOW CONVERGENCE VALUE= 59.13 CRITERION= 18.20
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.600
HT FLOW CONVERGENCE VALUE= 0.1166 CRITERION= 18.20 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 285 COMPLETED. CUM ITER = 285
*** TIME = 1425.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2836E-03 OSCILLATION LIMIT = 0.1418E-02

HT FLOW CONVERGENCE VALUE= 59.08 CRITERION= 18.20
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.595
HT FLOW CONVERGENCE VALUE= 0.2263E-01 CRITERION= 18.11 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 286 COMPLETED. CUM ITER = 286
*** TIME = 1430.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7254E-03 OSCILLATION LIMIT = 0.3627E-02

HT FLOW CONVERGENCE VALUE= 59.15 CRITERION= 18.11
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.050
HT FLOW CONVERGENCE VALUE= 0.3660 CRITERION= 18.34 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 287 COMPLETED. CUM ITER = 287
*** TIME = 1435.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2671E-02 OSCILLATION LIMIT = 0.1335E-01

HT FLOW CONVERGENCE VALUE= 59.23 CRITERION= 18.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.583
HT FLOW CONVERGENCE VALUE= 0.1478 CRITERION= 18.35 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 288 COMPLETED. CUM ITER = 288
*** TIME = 1440.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3613E-03 OSCILLATION LIMIT = 0.1806E-02

HT FLOW CONVERGENCE VALUE= 59.19 CRITERION= 18.35
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.579
HT FLOW CONVERGENCE VALUE= 0.2322E-01 CRITERION= 18.23 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 289 COMPLETED. CUM ITER = 289
*** TIME = 1445.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1048E-02 OSCILLATION LIMIT = 0.5239E-02

HT FLOW CONVERGENCE VALUE= 59.10 CRITERION= 18.23
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.574
HT FLOW CONVERGENCE VALUE= 0.5104E-01 CRITERION= 18.19 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 290 COMPLETED. CUM ITER = 290
*** TIME = 1450.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3749E-03 OSCILLATION LIMIT = 0.1875E-02

HT FLOW CONVERGENCE VALUE= 59.15 CRITERION= 18.19
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.733
HT FLOW CONVERGENCE VALUE= 0.3092 CRITERION= 18.37 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 291 COMPLETED. CUM ITER = 291
*** TIME = 1455.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1672E-02 OSCILLATION LIMIT = 0.8361E-02

HT FLOW CONVERGENCE VALUE= 59.28 CRITERION= 18.37
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.599
HT FLOW CONVERGENCE VALUE= 0.2447 CRITERION= 18.47 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 292 COMPLETED. CUM ITER = 292
*** TIME = 1460.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7573E-03 OSCILLATION LIMIT = 0.3786E-02

HT FLOW CONVERGENCE VALUE= 59.21 CRITERION= 18.47

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EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.711
HT FLOW CONVERGENCE VALUE= 0.3004 CRITERION= 18.08 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 293 COMPLETED. CUM ITER = 293
*** TIME = 1465.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7956E-02 OSCILLATION LIMIT = 0.3978E-01

HT FLOW CONVERGENCE VALUE= 58.90 CRITERION= 18.08
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.559
HT FLOW CONVERGENCE VALUE= 0.1528 CRITERION= 17.91 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 294 COMPLETED. CUM ITER = 294
*** TIME = 1470.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2483E-02 OSCILLATION LIMIT = 0.1242E-01

HT FLOW CONVERGENCE VALUE= 58.68 CRITERION= 17.91
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.552
HT FLOW CONVERGENCE VALUE= 0.8503E-01 CRITERION= 17.94 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 295 COMPLETED. CUM ITER = 295
*** TIME = 1475.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1327E-03 OSCILLATION LIMIT = 0.6633E-03

HT FLOW CONVERGENCE VALUE= 58.64 CRITERION= 17.94
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.547
HT FLOW CONVERGENCE VALUE= 0.1684 CRITERION= 18.02 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 296 COMPLETED. CUM ITER = 296
*** TIME = 1480.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3791E-03 OSCILLATION LIMIT = 0.1895E-02

HT FLOW CONVERGENCE VALUE= 58.61 CRITERION= 18.02
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.544
HT FLOW CONVERGENCE VALUE= 0.7094E-01 CRITERION= 18.00 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 297 COMPLETED. CUM ITER = 297
*** TIME = 1485.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2417E-03 OSCILLATION LIMIT = 0.1208E-02

HT FLOW CONVERGENCE VALUE= 58.49 CRITERION= 18.00
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.539
HT FLOW CONVERGENCE VALUE= 0.2069 CRITERION= 17.74 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 298 COMPLETED. CUM ITER = 298
*** TIME = 1490.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4161E-02 OSCILLATION LIMIT = 0.2080E-01

HT FLOW CONVERGENCE VALUE= 58.23 CRITERION= 17.74
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.536
HT FLOW CONVERGENCE VALUE= 0.1484 CRITERION= 17.57 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 299 COMPLETED. CUM ITER = 299
*** TIME = 1495.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2189E-02 OSCILLATION LIMIT = 0.1095E-01

HT FLOW CONVERGENCE VALUE= 58.03 CRITERION= 17.57
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.530
HT FLOW CONVERGENCE VALUE= 0.1300 CRITERION= 17.66 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 300 COMPLETED. CUM ITER = 300
*** TIME = 1500.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3085E-03 OSCILLATION LIMIT = 0.1543E-02

HT FLOW CONVERGENCE VALUE= 58.08 CRITERION= 17.66
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.858
HT FLOW CONVERGENCE VALUE= 0.3221 CRITERION= 17.89 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 301 COMPLETED. CUM ITER = 301
*** TIME = 1505.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2571E-02 OSCILLATION LIMIT = 0.1285E-01

HT FLOW CONVERGENCE VALUE= 58.08 CRITERION= 17.89
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.520
HT FLOW CONVERGENCE VALUE= 0.6053E-01 CRITERION= 17.83 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 302 COMPLETED. CUM ITER = 302
*** TIME = 1510.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3795E-03 OSCILLATION LIMIT = 0.1898E-02

HT FLOW CONVERGENCE VALUE= 58.15 CRITERION= 17.83
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.808
HT FLOW CONVERGENCE VALUE= 0.3151 CRITERION= 18.03 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 303 COMPLETED. CUM ITER = 303
*** TIME = 1515.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2101E-02 OSCILLATION LIMIT = 0.1050E-01

HT FLOW CONVERGENCE VALUE= 58.23 CRITERION= 18.03
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.512
HT FLOW CONVERGENCE VALUE= 0.2011 CRITERION= 18.10 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 304 COMPLETED. CUM ITER = 304
*** TIME = 1520.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5513E-03 OSCILLATION LIMIT = 0.2757E-02

HT FLOW CONVERGENCE VALUE= 58.27 CRITERION= 18.10
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.509
HT FLOW CONVERGENCE VALUE= 0.1375 CRITERION= 18.11 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 305 COMPLETED. CUM ITER = 305
*** TIME = 1525.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2986E-03 OSCILLATION LIMIT = 0.1493E-02

HT FLOW CONVERGENCE VALUE= 58.34 CRITERION= 18.11
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.505
HT FLOW CONVERGENCE VALUE= 0.2266 CRITERION= 18.20 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 306 COMPLETED. CUM ITER = 306
*** TIME = 1530.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.7055E-03 OSCILLATION LIMIT = 0.3527E-02

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HT FLOW CONVERGENCE VALUE= 58.30 CRITERION= 18.20
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.500
HT FLOW CONVERGENCE VALUE= 0.5410E-01 CRITERION= 18.05 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 307 COMPLETED. CUM ITER = 307
*** TIME = 1535.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1653E-02 OSCILLATION LIMIT = 0.8267E-02

HT FLOW CONVERGENCE VALUE= 58.22 CRITERION= 18.05
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.499
HT FLOW CONVERGENCE VALUE= 0.1200 CRITERION= 18.07 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 308 COMPLETED. CUM ITER = 308
*** TIME = 1540.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1950E-03 OSCILLATION LIMIT = 0.9751E-03

HT FLOW CONVERGENCE VALUE= 58.13 CRITERION= 18.07
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.493
HT FLOW CONVERGENCE VALUE= 0.1061 CRITERION= 17.89 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 309 COMPLETED. CUM ITER = 309
*** TIME = 1545.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2201E-02 OSCILLATION LIMIT = 0.1101E-01

HT FLOW CONVERGENCE VALUE= 58.02 CRITERION= 17.89
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.492
HT FLOW CONVERGENCE VALUE= 0.1350 CRITERION= 17.95 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 310 COMPLETED. CUM ITER = 310
*** TIME = 1550.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2324E-03 OSCILLATION LIMIT = 0.1162E-02

HT FLOW CONVERGENCE VALUE= 57.92 CRITERION= 17.95
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= -1.858
HT FLOW CONVERGENCE VALUE= 0.3164 CRITERION= 17.58 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 311 COMPLETED. CUM ITER = 311
*** TIME = 1555.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8059E-02 OSCILLATION LIMIT = 0.4030E-01

HT FLOW CONVERGENCE VALUE= 57.60 CRITERION= 17.58
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= -1.583
HT FLOW CONVERGENCE VALUE= 0.2385 CRITERION= 17.34 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 312 COMPLETED. CUM ITER = 312
*** TIME = 1560.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4263E-02 OSCILLATION LIMIT = 0.2132E-01

HT FLOW CONVERGENCE VALUE= 57.31 CRITERION= 17.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.479
HT FLOW CONVERGENCE VALUE= 0.1655 CRITERION= 17.49 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 313 COMPLETED. CUM ITER = 313
*** TIME = 1565.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8093E-03 OSCILLATION LIMIT = 0.4047E-02

HT FLOW CONVERGENCE VALUE= 57.46 CRITERION= 17.49
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.567
HT FLOW CONVERGENCE VALUE= 0.4399 CRITERION= 17.83 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 314 COMPLETED. CUM ITER = 314
*** TIME = 1570.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6040E-02 OSCILLATION LIMIT = 0.3020E-01

HT FLOW CONVERGENCE VALUE= 57.79 CRITERION= 17.83
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.062
HT FLOW CONVERGENCE VALUE= 0.4925 CRITERION= 18.15 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 315 COMPLETED. CUM ITER = 315
*** TIME = 1575.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.6187E-02 OSCILLATION LIMIT = 0.3093E-01

HT FLOW CONVERGENCE VALUE= 57.81 CRITERION= 18.15
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.466
HT FLOW CONVERGENCE VALUE= 0.4803E-01 CRITERION= 18.04 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 316 COMPLETED. CUM ITER = 316
*** TIME = 1580.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1008E-02 OSCILLATION LIMIT = 0.5040E-02

HT FLOW CONVERGENCE VALUE= 57.82 CRITERION= 18.04
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.464
HT FLOW CONVERGENCE VALUE= 0.1823 CRITERION= 18.10 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 317 COMPLETED. CUM ITER = 317
*** TIME = 1585.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4222E-03 OSCILLATION LIMIT = 0.2111E-02

HT FLOW CONVERGENCE VALUE= 57.74 CRITERION= 18.10
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.457
HT FLOW CONVERGENCE VALUE= 0.1364 CRITERION= 17.86 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 318 COMPLETED. CUM ITER = 318
*** TIME = 1590.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3264E-02 OSCILLATION LIMIT = 0.1632E-01

HT FLOW CONVERGENCE VALUE= 57.58 CRITERION= 17.86
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.455
HT FLOW CONVERGENCE VALUE= 0.4281E-01 CRITERION= 17.83 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 319 COMPLETED. CUM ITER = 319
*** TIME = 1595.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2916E-03 OSCILLATION LIMIT = 0.1458E-02

HT FLOW CONVERGENCE VALUE= 57.62 CRITERION= 17.83
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.725
HT FLOW CONVERGENCE VALUE= 0.2977 CRITERION= 18.03 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 320 COMPLETED. CUM ITER = 320
*** TIME = 1600.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1948E-02 OSCILLATION LIMIT = 0.9740E-02

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HT FLOW CONVERGENCE VALUE= 57.63      CRITERION= 18.03
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.444
HT FLOW CONVERGENCE VALUE= 0.2325E-01 CRITERION= 17.93 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 321 COMPLETED. CUM ITER = 321
*** TIME = 1605.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8234E-03 OSCILLATION LIMIT = 0.4117E-02

HT FLOW CONVERGENCE VALUE= 57.50      CRITERION= 17.93
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.441
HT FLOW CONVERGENCE VALUE= 0.2157      CRITERION= 17.65 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 322 COMPLETED. CUM ITER = 322
*** TIME = 1610.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4879E-02 OSCILLATION LIMIT = 0.2440E-01

HT FLOW CONVERGENCE VALUE= 57.23      CRITERION= 17.65
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.437
HT FLOW CONVERGENCE VALUE= 0.1799      CRITERION= 17.44 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 323 COMPLETED. CUM ITER = 323
*** TIME = 1615.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3133E-02 OSCILLATION LIMIT = 0.1567E-01

HT FLOW CONVERGENCE VALUE= 57.07      CRITERION= 17.44
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.583
HT FLOW CONVERGENCE VALUE= 0.2681      CRITERION= 17.67 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 324 COMPLETED. CUM ITER = 324
*** TIME = 1620.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2201E-02 OSCILLATION LIMIT = 0.1100E-01

HT FLOW CONVERGENCE VALUE= 57.16      CRITERION= 17.67
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.517
HT FLOW CONVERGENCE VALUE= 0.2341      CRITERION= 17.80 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 325 COMPLETED. CUM ITER = 325
*** TIME = 1625.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1073E-02 OSCILLATION LIMIT = 0.5365E-02

HT FLOW CONVERGENCE VALUE= 57.15      CRITERION= 17.80
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.424
HT FLOW CONVERGENCE VALUE= 0.5396E-01 CRITERION= 17.74 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 326 COMPLETED. CUM ITER = 326
*** TIME = 1630.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4016E-03 OSCILLATION LIMIT = 0.2008E-02

HT FLOW CONVERGENCE VALUE= 57.07      CRITERION= 17.74
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= -2.675
HT FLOW CONVERGENCE VALUE= 0.4429      CRITERION= 17.24 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 327 COMPLETED. CUM ITER = 327
*** TIME = 1635.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1466E-01 OSCILLATION LIMIT = 0.7329E-01

HT FLOW CONVERGENCE VALUE= 56.63      CRITERION= 17.24
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.419
HT FLOW CONVERGENCE VALUE= 0.1000      CRITERION= 17.34 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 328 COMPLETED. CUM ITER = 328
*** TIME = 1640.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3452E-03 OSCILLATION LIMIT = 0.1726E-02

HT FLOW CONVERGENCE VALUE= 56.82      CRITERION= 17.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.017
HT FLOW CONVERGENCE VALUE= 0.5109      CRITERION= 17.76 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 329 COMPLETED. CUM ITER = 329
*** TIME = 1645.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.9331E-02 OSCILLATION LIMIT = 0.4666E-01

HT FLOW CONVERGENCE VALUE= 57.26      CRITERION= 17.76
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 3.528
HT FLOW CONVERGENCE VALUE= 0.5629      CRITERION= 18.15 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 330 COMPLETED. CUM ITER = 330
*** TIME = 1650.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8802E-02 OSCILLATION LIMIT = 0.4401E-01

HT FLOW CONVERGENCE VALUE= 57.15      CRITERION= 18.15
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.889
HT FLOW CONVERGENCE VALUE= 0.2609      CRITERION= 17.73 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 331 COMPLETED. CUM ITER = 331
*** TIME = 1655.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8786E-02 OSCILLATION LIMIT = 0.4393E-01

HT FLOW CONVERGENCE VALUE= 57.00      CRITERION= 17.73
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.405
HT FLOW CONVERGENCE VALUE= 0.2143      CRITERION= 17.87 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 332 COMPLETED. CUM ITER = 332
*** TIME = 1660.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8635E-03 OSCILLATION LIMIT = 0.4317E-02

HT FLOW CONVERGENCE VALUE= 57.02      CRITERION= 17.87
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.399
HT FLOW CONVERGENCE VALUE= 0.1156      CRITERION= 17.87 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 333 COMPLETED. CUM ITER = 333
*** TIME = 1665.00 TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2542E-03 OSCILLATION LIMIT = 0.1271E-02

HT FLOW CONVERGENCE VALUE= 56.93      CRITERION= 17.87
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= -1.867
HT FLOW CONVERGENCE VALUE= 0.3121      CRITERION= 17.48 <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 334 COMPLETED. CUM ITER = 334
*** TIME = 1670.00 TIME INC = 5.00000

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*** RESPONSE EIGENVALUE = 0.8945E-02   OSCILLATION LIMIT = 0.4472E-01

HT FLOW CONVERGENCE VALUE= 56.61   CRITERION= 17.48
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.394
HT FLOW CONVERGENCE VALUE= 0.2616E-01 CRITERION= 17.47   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 335 COMPLETED. CUM ITER = 335
*** TIME = 1675.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2390E-03   OSCILLATION LIMIT = 0.1195E-02

HT FLOW CONVERGENCE VALUE= 56.66   CRITERION= 17.47
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.083
HT FLOW CONVERGENCE VALUE= 0.3514   CRITERION= 17.75   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 336 COMPLETED. CUM ITER = 336
*** TIME = 1680.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3812E-02   OSCILLATION LIMIT = 0.1906E-01

HT FLOW CONVERGENCE VALUE= 56.72   CRITERION= 17.75
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.387
HT FLOW CONVERGENCE VALUE= 0.1258   CRITERION= 17.75   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 337 COMPLETED. CUM ITER = 337
*** TIME = 1685.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2967E-03   OSCILLATION LIMIT = 0.1484E-02

HT FLOW CONVERGENCE VALUE= 56.75   CRITERION= 17.75
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.384
HT FLOW CONVERGENCE VALUE= 0.1525   CRITERION= 17.80   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 338 COMPLETED. CUM ITER = 338
*** TIME = 1690.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3270E-03   OSCILLATION LIMIT = 0.1635E-02

HT FLOW CONVERGENCE VALUE= 56.74   CRITERION= 17.80
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.380
HT FLOW CONVERGENCE VALUE= 0.7078E-01 CRITERION= 17.76   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 339 COMPLETED. CUM ITER = 339
*** TIME = 1695.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3230E-03   OSCILLATION LIMIT = 0.1615E-02

HT FLOW CONVERGENCE VALUE= 56.69   CRITERION= 17.76
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.378
HT FLOW CONVERGENCE VALUE= 0.6531E-01 CRITERION= 17.73   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 340 COMPLETED. CUM ITER = 340
*** TIME = 1700.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2815E-03   OSCILLATION LIMIT = 0.1407E-02

HT FLOW CONVERGENCE VALUE= 56.63   CRITERION= 17.73
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.374
HT FLOW CONVERGENCE VALUE= 0.3007E-01 CRITERION= 17.67   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 341 COMPLETED. CUM ITER = 341
*** TIME = 1705.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4686E-03   OSCILLATION LIMIT = 0.2343E-02

HT FLOW CONVERGENCE VALUE= 56.50   CRITERION= 17.67
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.370
HT FLOW CONVERGENCE VALUE= 0.1575   CRITERION= 17.45   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 342 COMPLETED. CUM ITER = 342
*** TIME = 1710.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.3295E-02   OSCILLATION LIMIT = 0.1648E-01

HT FLOW CONVERGENCE VALUE= 56.28   CRITERION= 17.45
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.367
HT FLOW CONVERGENCE VALUE= 0.7411E-01 CRITERION= 17.34   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 343 COMPLETED. CUM ITER = 343
*** TIME = 1715.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1133E-02   OSCILLATION LIMIT = 0.5667E-02

HT FLOW CONVERGENCE VALUE= 56.21   CRITERION= 17.34
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.525
HT FLOW CONVERGENCE VALUE= 0.2537   CRITERION= 17.54   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 344 COMPLETED. CUM ITER = 344
*** TIME = 1720.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1925E-02   OSCILLATION LIMIT = 0.9625E-02

HT FLOW CONVERGENCE VALUE= 56.38   CRITERION= 17.54
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 2.065
HT FLOW CONVERGENCE VALUE= 0.3286   CRITERION= 17.76   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 345 COMPLETED. CUM ITER = 345
*** TIME = 1725.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2863E-02   OSCILLATION LIMIT = 0.1432E-01

HT FLOW CONVERGENCE VALUE= 56.54   CRITERION= 17.76
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.804
HT FLOW CONVERGENCE VALUE= 0.2615   CRITERION= 17.88   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 346 COMPLETED. CUM ITER = 346
*** TIME = 1730.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1306E-02   OSCILLATION LIMIT = 0.6532E-02

HT FLOW CONVERGENCE VALUE= 56.55   CRITERION= 17.88
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.356
HT FLOW CONVERGENCE VALUE= 0.5971E-01 CRITERION= 17.81   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 347 COMPLETED. CUM ITER = 347
*** TIME = 1735.00   TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5875E-03   OSCILLATION LIMIT = 0.2938E-02

HT FLOW CONVERGENCE VALUE= 56.58   CRITERION= 17.81
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.354
HT FLOW CONVERGENCE VALUE= 0.1914   CRITERION= 17.89   <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 348 COMPLETED. CUM ITER = 348

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*** TIME = 1740.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.5515E-03  OSCILLATION LIMIT = 0.2757E-02

HT FLOW CONVERGENCE VALUE= 56.51  CRITERION= 17.89
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= -2.208
HT FLOW CONVERGENCE VALUE= 0.3649  CRITERION= 17.43  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 349 COMPLETED. CUM ITER = 349
*** TIME = 1745.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1224E-01  OSCILLATION LIMIT = 0.6119E-01

HT FLOW CONVERGENCE VALUE= 56.16  CRITERION= 17.43
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.349
HT FLOW CONVERGENCE VALUE= 0.8171E-01  CRITERION= 17.48  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 350 COMPLETED. CUM ITER = 350
*** TIME = 1750.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1726E-03  OSCILLATION LIMIT = 0.8631E-03

HT FLOW CONVERGENCE VALUE= 56.13  CRITERION= 17.48
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.345
HT FLOW CONVERGENCE VALUE= 0.1581  CRITERION= 17.57  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 351 COMPLETED. CUM ITER = 351
*** TIME = 1755.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.4437E-03  OSCILLATION LIMIT = 0.2218E-02

HT FLOW CONVERGENCE VALUE= 56.08  CRITERION= 17.57
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.342
HT FLOW CONVERGENCE VALUE= 0.3722E-01  CRITERION= 17.45  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 352 COMPLETED. CUM ITER = 352
*** TIME = 1760.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1000E-02  OSCILLATION LIMIT = 0.5000E-02

HT FLOW CONVERGENCE VALUE= 56.00  CRITERION= 17.45
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.340
HT FLOW CONVERGENCE VALUE= 0.1125  CRITERION= 17.50  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 353 COMPLETED. CUM ITER = 353
*** TIME = 1765.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1858E-03  OSCILLATION LIMIT = 0.9290E-03

HT FLOW CONVERGENCE VALUE= 55.91  CRITERION= 17.50
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.336
HT FLOW CONVERGENCE VALUE= 0.1096  CRITERION= 17.31  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 354 COMPLETED. CUM ITER = 354
*** TIME = 1770.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2231E-02  OSCILLATION LIMIT = 0.1115E-01

HT FLOW CONVERGENCE VALUE= 55.75  CRITERION= 17.31
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.334
HT FLOW CONVERGENCE VALUE= 0.2303E-01  CRITERION= 17.28  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 355 COMPLETED. CUM ITER = 355
*** TIME = 1775.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.2713E-03  OSCILLATION LIMIT = 0.1356E-02

HT FLOW CONVERGENCE VALUE= 55.62  CRITERION= 17.28
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.331
HT FLOW CONVERGENCE VALUE= 0.5240E-01  CRITERION= 17.18  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 356 COMPLETED. CUM ITER = 356
*** TIME = 1780.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.8976E-03  OSCILLATION LIMIT = 0.4488E-02

HT FLOW CONVERGENCE VALUE= 55.50  CRITERION= 17.18
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.329
HT FLOW CONVERGENCE VALUE= 0.8560E-01  CRITERION= 17.21  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 357 COMPLETED. CUM ITER = 357
*** TIME = 1785.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1201E-03  OSCILLATION LIMIT = 0.6003E-03

HT FLOW CONVERGENCE VALUE= 55.44  CRITERION= 17.21
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.326
HT FLOW CONVERGENCE VALUE= 0.7632E-01  CRITERION= 17.22  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 358 COMPLETED. CUM ITER = 358
*** TIME = 1790.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1186E-03  OSCILLATION LIMIT = 0.5932E-03

HT FLOW CONVERGENCE VALUE= 55.40  CRITERION= 17.22
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.323
HT FLOW CONVERGENCE VALUE= 0.1055  CRITERION= 17.26  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 359 COMPLETED. CUM ITER = 359
*** TIME = 1795.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1726E-03  OSCILLATION LIMIT = 0.8628E-03

HT FLOW CONVERGENCE VALUE= 55.32  CRITERION= 17.26
EQUIL ITER 1 COMPLETED. NEW TRIANG MATRIX. MAX DOF INC= 1.320
HT FLOW CONVERGENCE VALUE= 0.5981E-01  CRITERION= 17.13  <<< CONVERGED
>>> SOLUTION CONVERGED AFTER EQUILIBRIUM ITERATION 1
*** LOAD STEP 1 SUBSTEP 360 COMPLETED. CUM ITER = 360
*** TIME = 1800.00          TIME INC = 5.00000
*** RESPONSE EIGENVALUE = 0.1234E-02  OSCILLATION LIMIT = 0.6172E-02

*** MAPDL BINARY FILE STATISTICS
BUFFER SIZE USED= 16384
43.750 MB WRITTEN ON ELEMENT SAVED DATA FILE: file0.esav
61.812 MB WRITTEN ON ASSEMBLED MATRIX FILE: file0.full
8345.625 MB WRITTEN ON RESULTS FILE: file0.rth
***** Write FE CONNECTORS *****

WRITE OUT CONSTRAINT EQUATIONS TO FILE=
file.ce
*****

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Job Name: file0
Input File: dummy.dat

Core	Machine Name	Working Directory
0	Janicc	C:\Users\janin\Desktop\DP_ProjectScratch\Scr3374
1	Janicc	C:\Users\janin\Desktop\DP_ProjectScratch\Scr3374
2	Janicc	C:\Users\janin\Desktop\DP_ProjectScratch\Scr3374
3	Janicc	C:\Users\janin\Desktop\DP_ProjectScratch\Scr3374

Latency time from master to core 1 = 2.869 microseconds
 Latency time from master to core 2 = 2.881 microseconds
 Latency time from master to core 3 = 2.869 microseconds

Communication speed from master to core 1 = 11741.05 MB/sec
 Communication speed from master to core 2 = 12391.19 MB/sec
 Communication speed from master to core 3 = 13692.77 MB/sec

Total CPU time for main thread : 6397.2 seconds
 Total CPU time summed for all threads : 6405.8 seconds

Elapsed time spent obtaining a license : 0.4 seconds
 Elapsed time spent pre-processing model (/PREP7) : 2.6 seconds
 Elapsed time spent solution - preprocessing : 8.4 seconds
 Elapsed time spent computing solution : 6961.4 seconds
 Elapsed time spent solution - postprocessing : 170.7 seconds
 Elapsed time spent post-processing model (/POST1) : 0.0 seconds

Equation solver used : Sparse (symmetric)
 Equation solver computational rate : 75.6 GFlops

Sum of memory used on all processes : 9817.0 MB
 Sum of memory allocated on all processes : 12411.0 MB
 Physical memory available : 14 GB

Total amount of I/O written to disk : 285.8 GB
 Total amount of I/O read from disk : 847.0 GB

+----- E N D M A P D L S T A T I S T I C S -----+

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|                                     |
|                                     |
|                                     |
|-----|
| Ansys MAPDL 2023 R1      Build 23.1      UP20221128      WINDOWS x64 |
|-----|
| Database Requested(-db)  1024 MB      Scratch Memory Requested  1024 MB |
| Max Database Used (Master)  678 MB      Max Scratch Used (Master)  2226 MB |
| Max Database Used (Workers)  1 MB      Max Scratch Used (Workers)  2449 MB |
| Sum Database Used (All)    681 MB      Sum Scratch Used (All)    9136 MB |
|-----|
| CP Time (sec) =          6405.766      Time = 22:38:39 |
| Elapsed Time (sec) =     7148.000      Date = 01/04/2024 |
|-----|
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