



September 16, 1992
LD-92-098

Docket No. 52-002

Attn: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: System 80+™ Seismic Analysis Structural Models

Dear Sirs:

This letter transmits the structural models for seismic analysis of the Nuclear Island and Nuclear Annex, as agreed at the April, 1992, audit meeting in Bethesda, Md.

If you have any questions, please call me or Dr. Stavros Dermitzakis of the ABB Impell Corporation at (510) 275-4797.

Very truly yours,

COMBUSTION ENGINEERING, INC.

C. B. Brinkman
Acting Director
Nuclear Systems Licensing

CBB/ser

cc: J. Troiter (EPRI)
T. Wambach (NRC)

250048

ABB Combustion Engineering Nuclear Power

Combustion Engineering, Inc.
9209300024 920916
PDR ADOCK 05200002
A PDR

1000 Prospect Hill Road
Post Office Box 500
Windsor, Connecticut 06095-0500

Telephone (203) 686-1911
Fax (203) 285-9512
Telex 99297 COMBEN WSOH

D032
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SUBJECT: System 80+ Structural Model / Transmittal to NRC

Attached please find the data related to the structural model of the System 80+ Nuclear Island and Nuclear Annex structures. These data were assembled by ABB Impell for transmittal to the NRC.

Please note that two models have been developed for the System 80+ seismic analyses, one for analysis in the horizontal directions and one for analysis in the vertical direction.

The following information is provided as attachments to this letter:

1. Schematics of the stick models of the System 80+ Nuclear Island and Nuclear Annex Structures including node numbers and connectivities between adjacent sticks. Figures 1 through 4 show the stick models for both the horizontal and vertical analyses of the following structures:

- Steel Containment Vessel (SCV)
- Interior Structure (IS)
- Shield Building (SB)
- Control Room Area 1 (CAA)
- Control Room Area 2 (CAB)
- Diesel Generator Area 1 (DG-1)
- Diesel Generator Area 2 (DG-2)
- Fuel Building (FB)
- CVCS/Maintenance Area (CVCS)

Figure 5 shows the horizontal stick models and Figure 6 shows the vertical stick models of the EFW Tank/Main Steam Valvehouse-1 (EFW-1) and EFW Tank/Main Steam Valvehouse-2 (EFW-2) areas.

In addition, a schematic of the three-dimensional model of the NSSS is included as Figure 7. The NSSS model is attached to the appropriate locations of the Interior Structure model.

2. Input and output of the computer program SAP90, which is used in the fixed-base (rock case) seismic analysis. The SAP90 output lists in detail the nodes, elements, material properties, stiffness properties, connectivities and masses of the structural models.
3. Damping is consistent with Regulatory Guide 1.61 guidelines, i.e. 7% for reinforced concrete, 4% for welded steel and 3% for piping in the NSSS. Tables 1 and 2 list the modal damping values computed for the fixed-base seismic analyses (using modal superposition) in the horizontal and vertical directions, respectively.

4. The same structural models are used in the SSI analyses. However, in the SSI analyses, the base nodes of the stick models of the Annex Structures and the Internal Structure are connected as shown in Figure 8. An additional node (Node 500) should be generated and connected to Node 501 with a rigid link. In the System 80+ SASSI analyses, the soil/foundation impedances are computed at the location of node 500.

Foundation masses associated with the bottom nodes of each stick model are provided in Tables 3 and 4 for the horizontal and vertical SSI models, respectively. These masses are not included in the fixed-base model. However, they must be added in the SSI analyses.

5. In the System 80+ seismic analyses, the Steel Containment Vessel is modeled by an assembly of shell elements as shown in Figures 9 and 10. As requested by the NRC during the April 1992 audit, a stick model representing the SCV was generated by ABB Impell to match the first fundamental frequency of the SCV. This simplified stick model is to be used by the NRC in their independent analyses. Figures 11 and 12 show the System 80+ model with the SCV modeled as a stick. All the data transmitted with this letter correspond to the SCV stick model.
6. A floppy diskette (3.5 in., 1.44 Mb PC format) is attached which contains the following data:
 - 6.1 File CEH2CNRC: Input to SAP90 for horizontal model
 - 6.2 File CEH2CNRC.SAP: Output from SAP90 for horizontal model
 - 6.3 File CEV2CNRC: Input to SAP90 for vertical model
 - 6.4 File CEV2CNRC.SAP: Output from SAP90 for vertical model

ATTACHMENT 1

Global Coordinate System:

X = along 0 - 180 deg.

Y = along 90 - 270 deg.

Z = vertical (positive up)

Local Coordinate System for Beam Elements:

Local 1 - axis is positive from Node 'I' to Node 'J'.

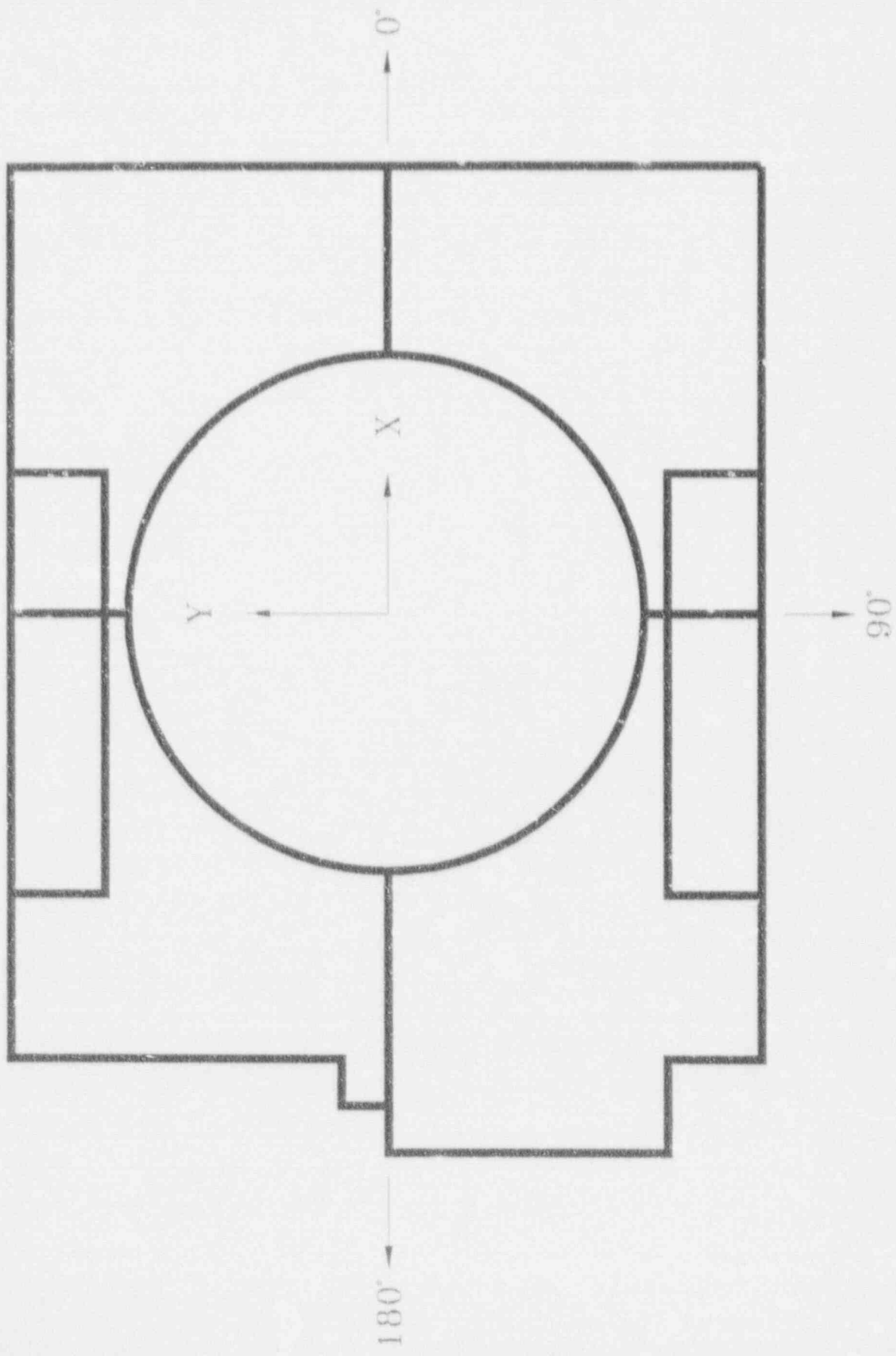
Local 2 - axis lies in a plane defined by Nodes 'I', 'J' and 'N2' and is positive towards 'N2'.

Local 3 - axis is obtained by right-hand rule.

Units

All units are in lbs, feet and seconds

270



SYSTEM 80+

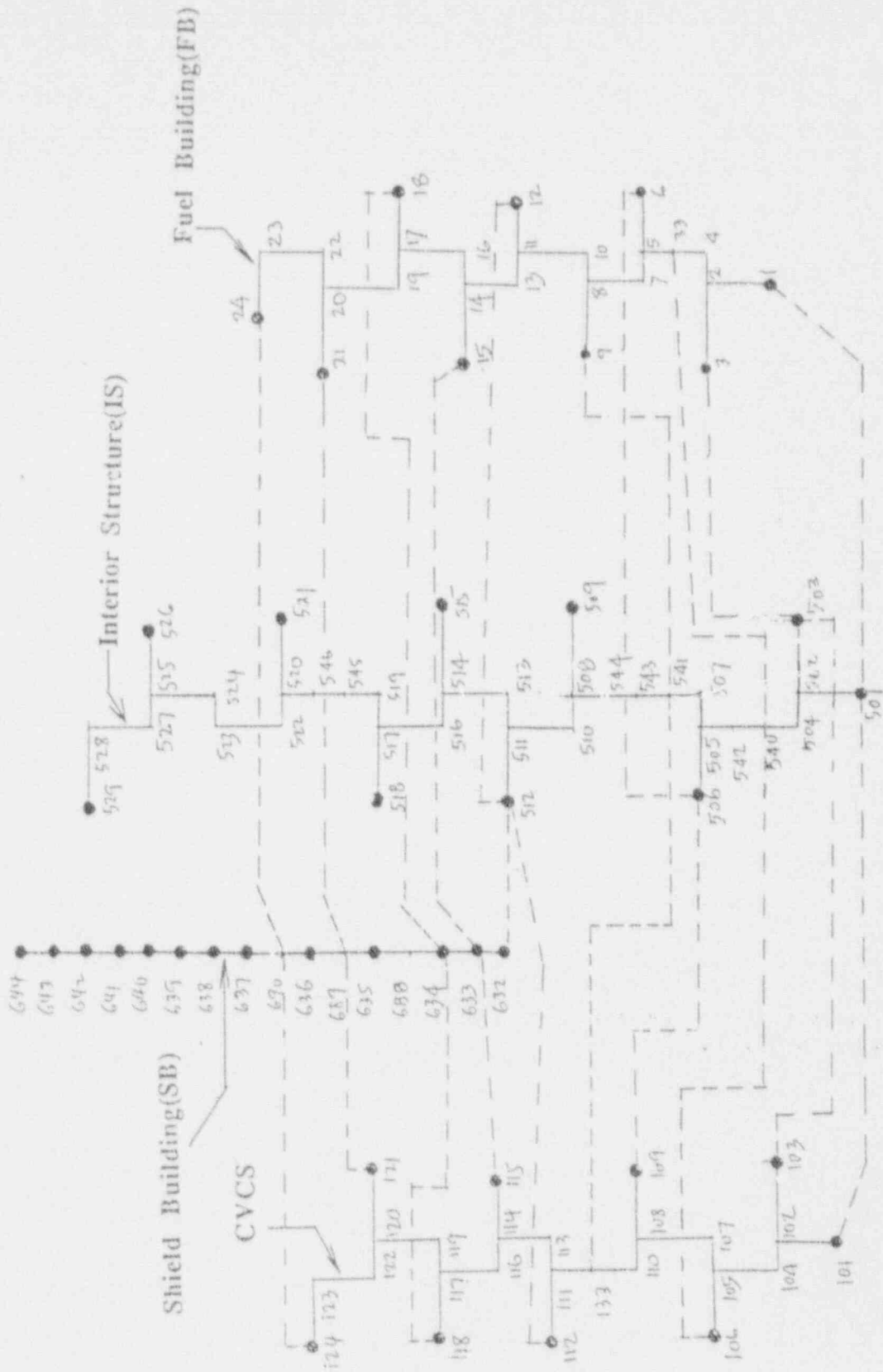
Numbering Scheme for System 80+ Model

Building	Node Number	Element Number	Property & Material Number
Fuel	1 to 42	1 to 24	1 to 9
CVCS	101 to 142	101 to 124	11 to 19
DG-1	201 to 210	201 to 204	21 to 23
DG-2	301 to 311	301 to 305	31 to 33
Cont. Shell	401 to 402	401	99
Interior	501 to 546	501 to 535	41 to 51
Shield	632 to 690	601 to 615	61 to 72
EFW1	701 to 736	701 to 720(hor) 701 to 718(vert)	81 to 88
EFW2	801 to 836	801 to 820(hor) 801 to 818(vert)	91 to 98
Control Rm Area-1	901 to 927	901 to 915	101 to 106
Control Rm Area-2	1001 to 1027	1001 to 1015	111 to 116
NSSS	2221 to 2416	1301 to 148 ^c	121 to 172

Numbering Scheme for Rigid Link Elements

Connectivity	Element Number	Property Number
IS/SB to Base of Other Buildings	1101 to 1111	20 Rigid in all directions
IS/SB to Floors of Other Buildings	1201 to 1249	10 Rigid in axial direction and in horizontal plane for Hor. model. Rigid in axial direction and in vertical plane for Vert. model.
IS/SB to NSSS	1250 to 1265	20 Rigid in all directions
Building to Building	1501 to 1536	10 Rigid in axial direction and in horizontal plane for Hor. model. Rigid in axial direction and in vertical plane for Vert. model.

FIGURE 1
 Schematic Diagram of Interior Structure(IS), Shield Building(SB), Fuel Building(FB), CVCS.
 Dotted lines indicate Rigid Links to IS or SB. NSSS and additional Rigid Links
 are not shown for clarity.




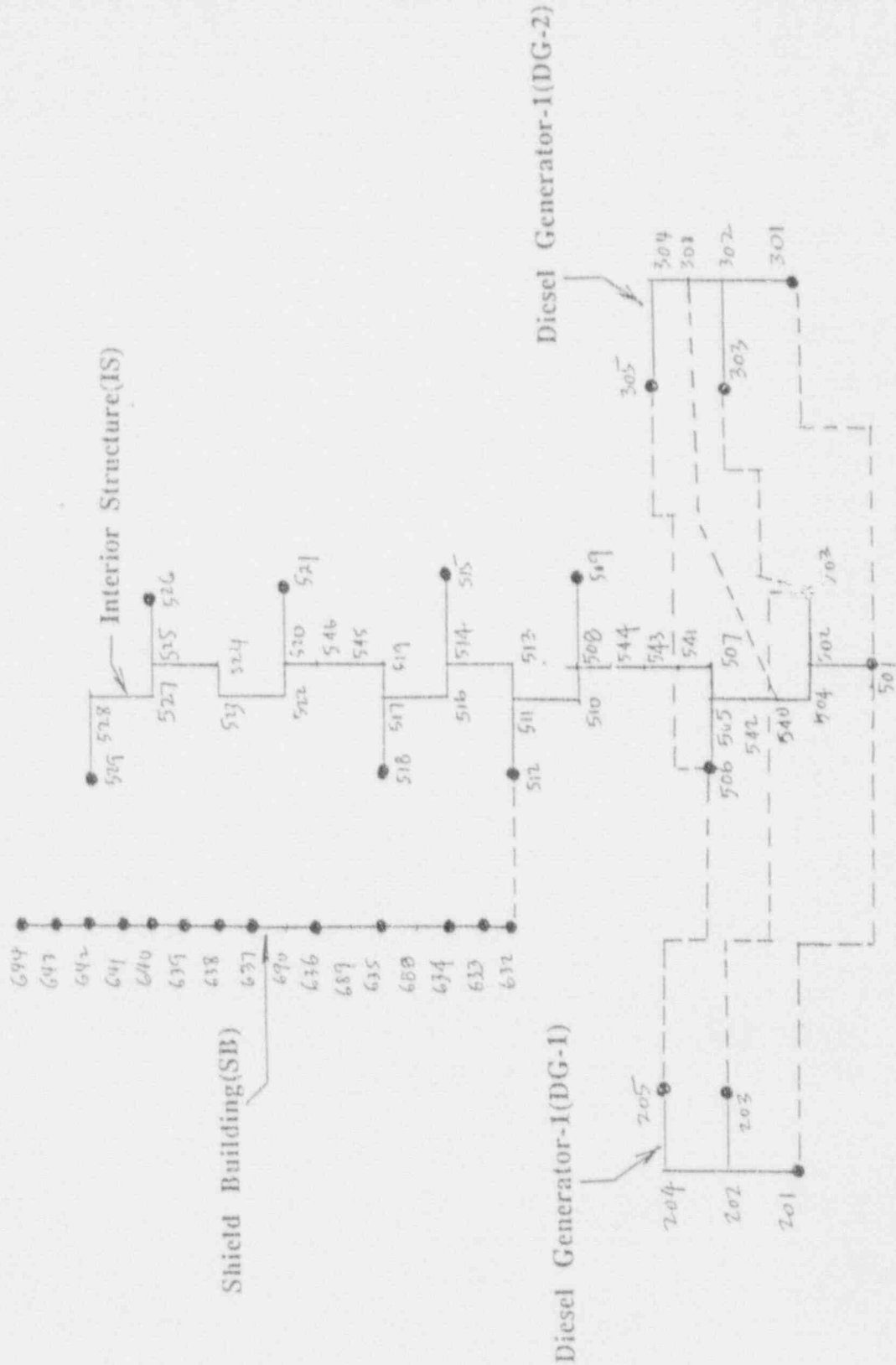
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FIGURE 2
 Schematic Diagram of Interior Structure(IS), Shield Building(SB), DG-1, DG-2.
 Dotted lines indicate Rigid Links to IS or SB. NSSS and additional Rigid Links
 are not shown for clarity.




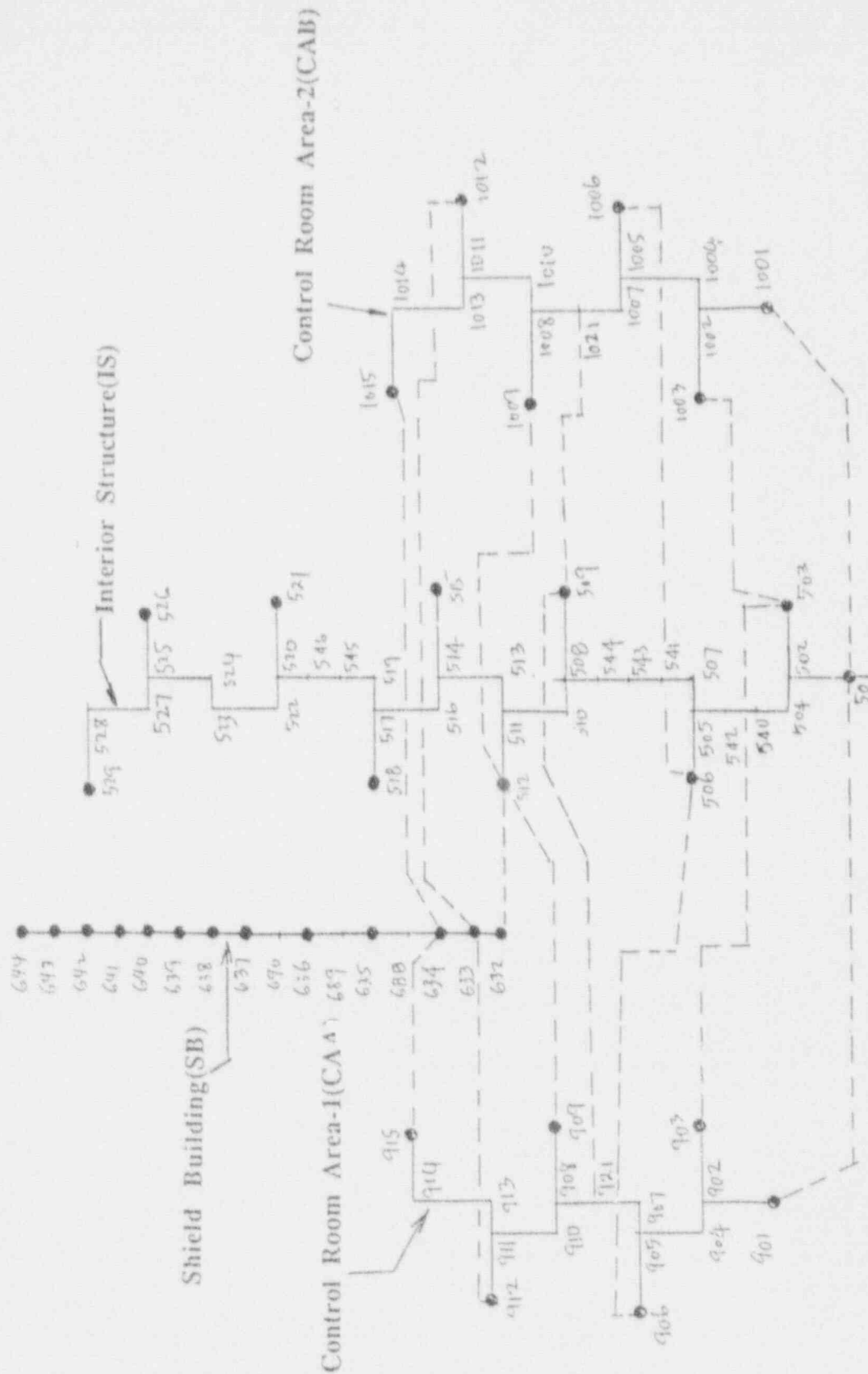

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						STR-01	

FIGURE 3
 Schematic Diagram of Interior Structure(IS), Shield Building(SB), CAA, CAB, CAB.
 Dotted lines indicate Rigid Links to IS or SB. NSSS and additional Rigid Links
 are not shown for clarity.



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FIGURE 4

Schematic Diagram of Interior Structure(IS), Shield Building(SB), SCV.
 Dotted lines indicate Rigid Links to IS or SB. NSSS and additional Rigid Links are not shown for clarity.

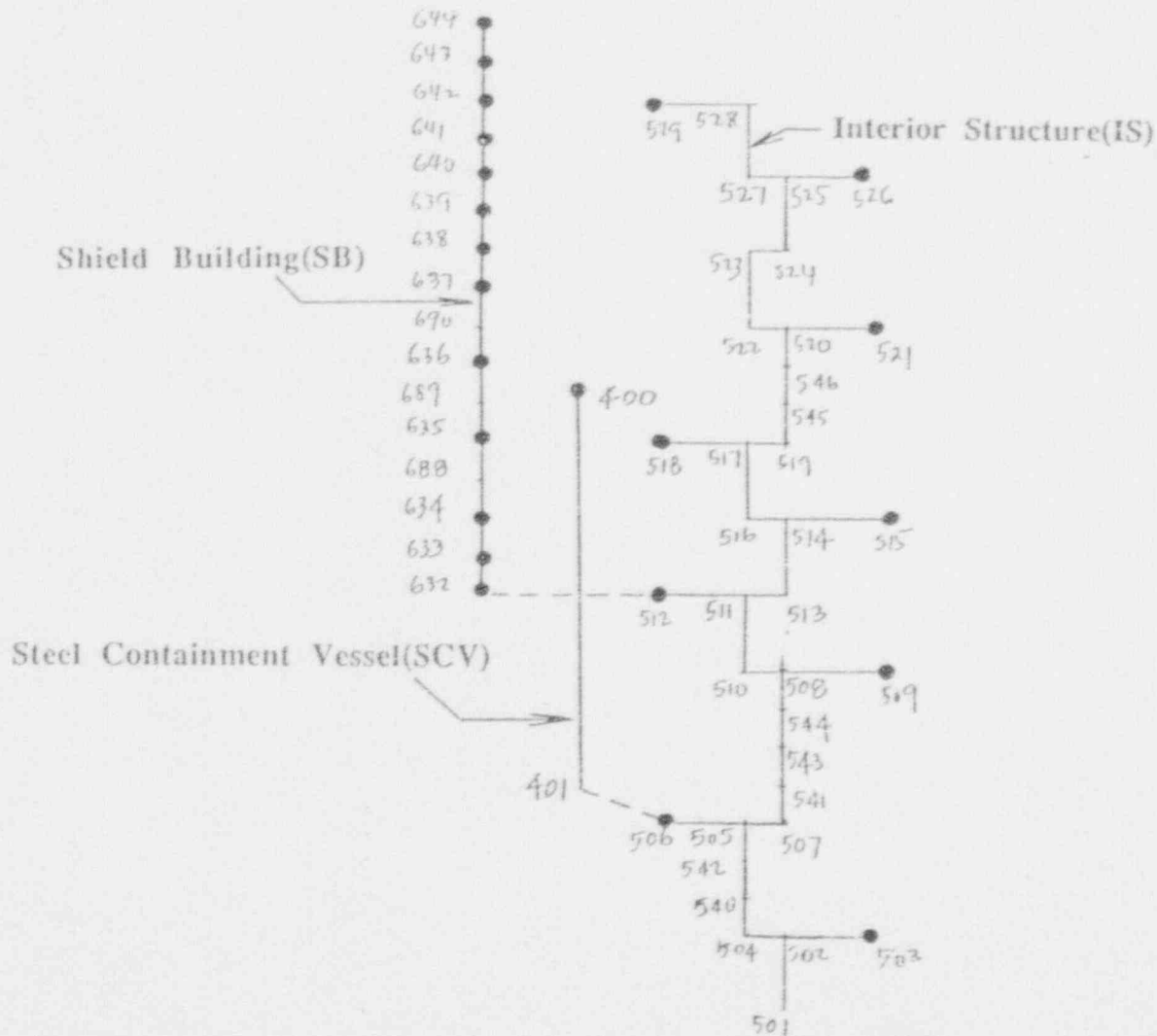
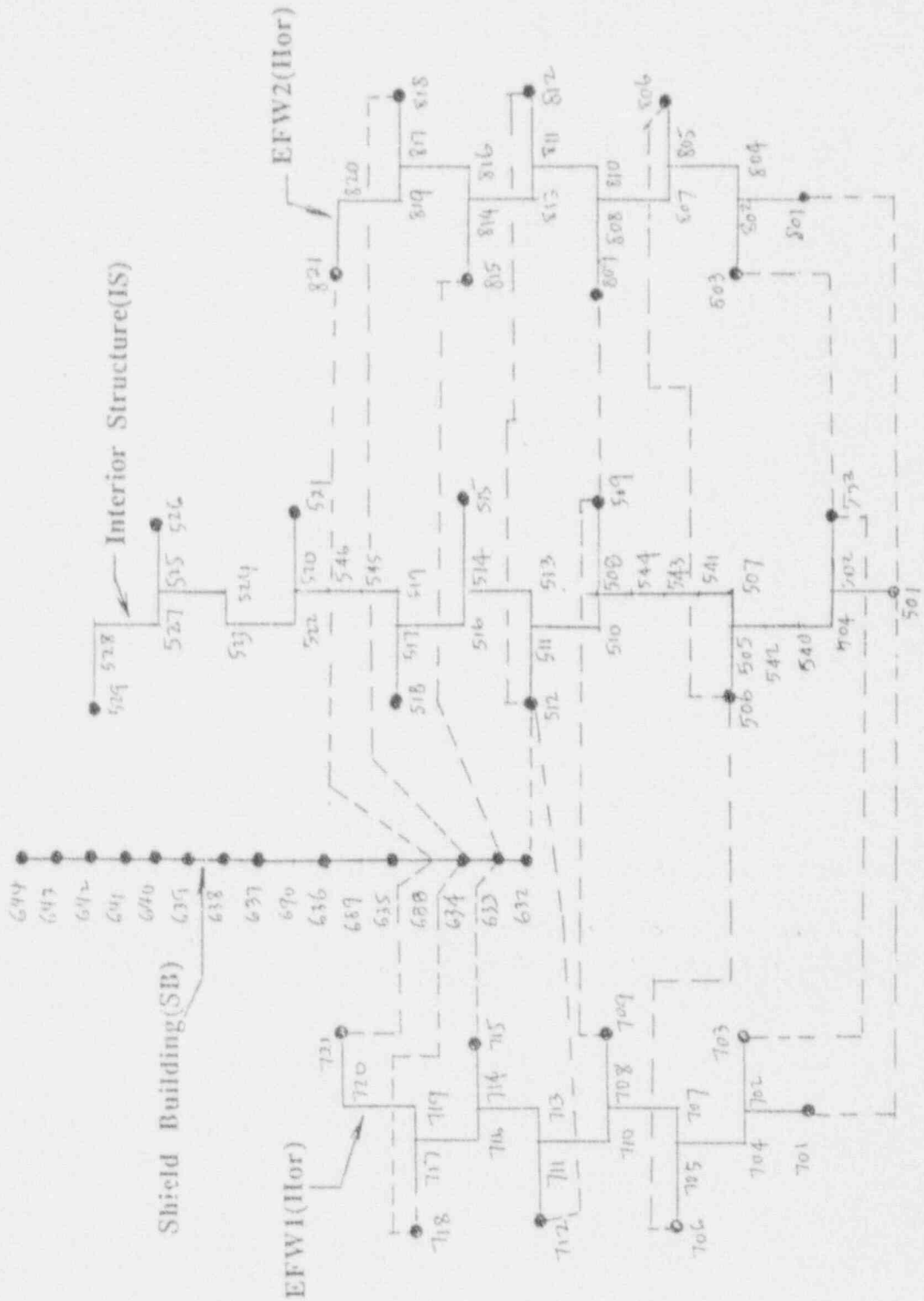



FIGURE 5

Schematic Diagram of Interior Structure(IS), Shield Building(SB), EFW1(Hor), EFW2(Hor).

Dotted lines indicate Rigid Links to IS or SB. NSSS and additional Rigid Links are not shown for clarity.

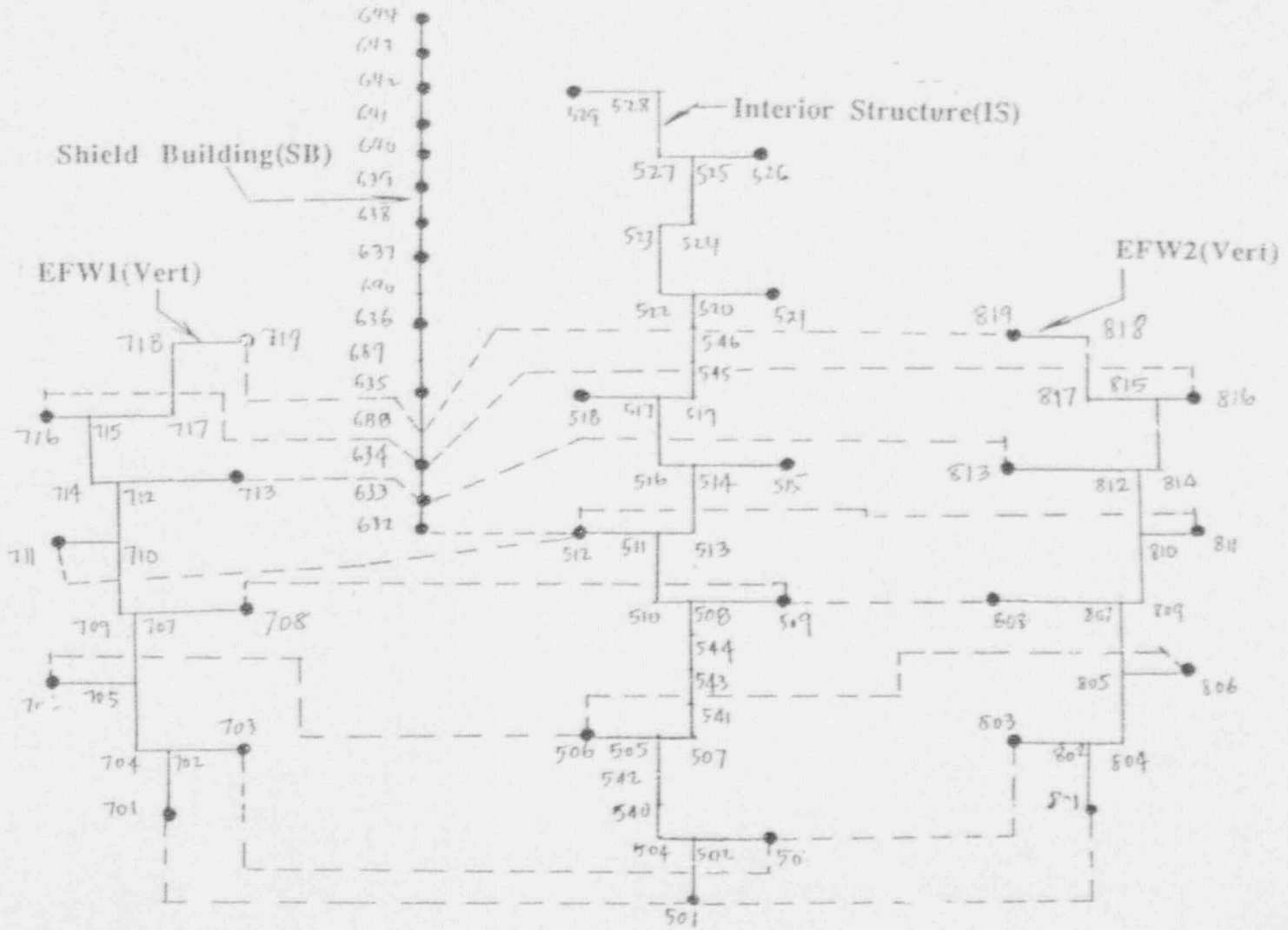


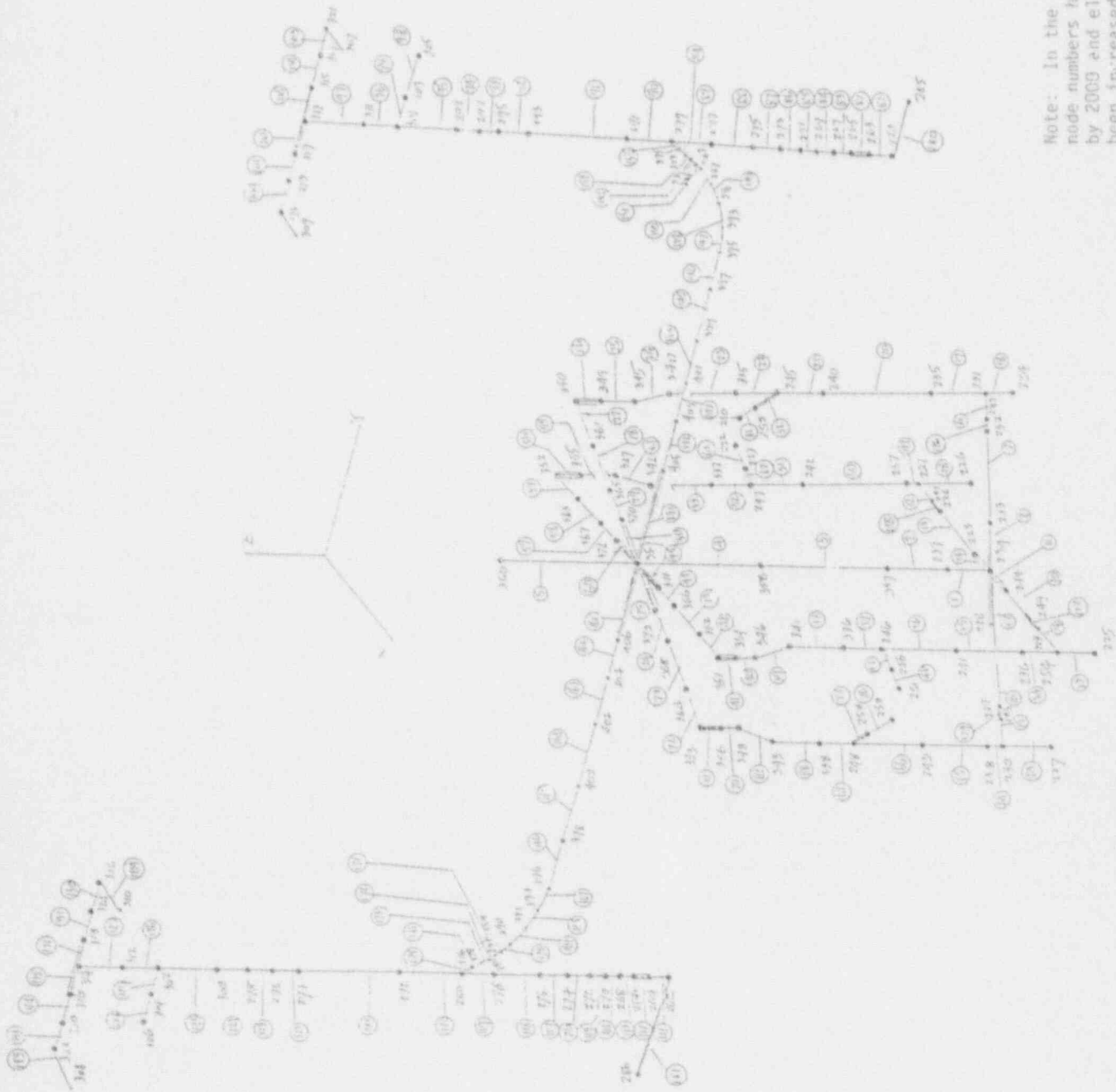
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FIGURE 6

Schematic Diagram of Interior Structure(IS), Shield Building(SB), EFW1(Vert), EFW2(Vert).
Dotted lines indicate Rigid Links to IS or SB. NSSS and additional Rigid Links are not shown for clarity.





Note: In the SAP90 NSSF model node numbers have been increased by 2009 and element numbers have been increased by 1300.

Figure 7 - NSSF Model for Seismic Analysis

ATTACHMENT 2

HORIZONTAL MODEL

(Input and Output Files of Fixed-Base Model)

CE SYSTEM RC + HORIZONTAL MODEL

SYSTEM
Z=40 L=1

JOINTS	X	Y	Z
1	-171.800	67.300	50.000
2	-171.800	67.300	68.500
3	-140.518	84.316	69.527
4	-168.490	70.730	68.500
5	-168.490	70.730	90.250
6	-165.324	74.308	90.000
7	-162.070	70.930	90.250
8	-162.070	70.930	101.000
9	-159.121	60.210	103.688
10	-161.190	72.240	101.000
11	-161.190	72.240	114.000
12	-140.621	73.851	115.518
13	-166.040	62.160	114.000
14	-166.040	62.160	129.000
15	-149.677	68.133	129.128
16	-168.720	74.270	129.000
17	-168.720	74.270	144.500
18	-159.635	78.777	141.586
19	-161.320	96.530	144.500
20	-161.320	96.530	168.500
21	-152.682	80.203	169.092
22	-165.490	92.190	168.500
23	-165.490	92.190	189.500
24	-144.299	80.625	188.196
25	-168.490	77.300	68.500
26	-168.490	77.300	90.250
27	-162.070	81.930	101.000
28	-161.190	82.240	114.000
29	-166.040	72.160	129.000
30	-168.720	84.270	144.500
31	-161.320	106.530	168.500
32	-165.490	102.190	189.500
33	-168.490	70.730	79.500
34	-160.518	84.316	79.527
35	-145.324	74.308	100.000
36	-159.121	60.210	113.688
37	-140.621	73.851	125.518
38	-149.677	68.133	139.128
39	-159.615	78.777	155.586
40	-132.682	80.203	179.092
41	-144.299	80.625	198.196
42	-168.490	70.730	89.500
101	-165.490	-74.540	50.000
102	-193.490	-74.540	68.500
103	-159.810	-81.010	68.067
104	-195.480	-82.480	68.500
105	-195.480	-82.480	79.500
106	-187.444	-66.738	80.645
107	-190.290	-72.010	79.500
108	-190.290	-72.010	90.250
109	-156.043	-80.364	92.029
110	-178.490	-92.290	90.250

DESIGN VERIFICATION	
CLIENT	ABE CE
JOB NO	8681-00013
CALC/PROB NO	STR-01
BY	SPJ
CHKD	SAO
DATE	9/3/92
DATE	9/14/92

111	X=	-178.490	Y=	92.290	Z=	114.000
112	X=	-152.395	Y=	-79.224	Z=	113.762
113	X=	-172.350	Y=	-79.930	Z=	114.000
114	X=	-172.350	Y=	-79.930	Z=	129.000
115	X=	-153.921	Y=	-71.154	Z=	-9.474
116	X=	-183.510	Y=	-86.160	Z=	129.000
117	X=	-183.510	Y=	-86.160	Z=	144.570
118	X=	-154.702	Y=	-69.301	Z=	145.913
119	X=	-209.610	Y=	-84.860	Z=	144.500
120	X=	-209.610	Y=	-84.860	Z=	168.500
121	X=	-169.388	Y=	-66.999	Z=	160.613
122	X=	-204.280	Y=	-79.050	Z=	168.500
123	X=	-204.280	Y=	-79.050	Z=	189.500
124	X=	-168.016	Y=	-67.437	Z=	188.465
125	X=	-193.490	Y=	-64.540	Z=	68.500
126	X=	-193.490	Y=	-64.540	Z=	79.500
127	X=	-190.290	Y=	-62.010	Z=	90.250
128	X=	-178.490	Y=	-82.290	Z=	114.000
129	X=	-172.350	Y=	-69.930	Z=	129.000
130	X=	-183.510	Y=	-76.160	Z=	144.500
131	X=	-209.610	Y=	-74.860	Z=	166.500
132	X=	-204.280	Y=	-69.050	Z=	189.500
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134	X=	-159.810	Y=	-79.010	Z=	78.067
135	X=	-187.132	Y=	-66.738	Z=	90.645
136	X=	-156.043	Y=	-80.364	Z=	102.029
137	X=	-152.395	Y=	-79.224	Z=	123.762
138	X=	-153.921	Y=	-71.154	Z=	139.474
139	X=	-154.702	Y=	-69.301	Z=	155.913
140	X=	-169.388	Y=	-66.999	Z=	178.613
141	X=	-168.016	Y=	-67.437	Z=	198.465
142	X=	-178.490	Y=	-92.290	Z=	111.000
201	X=	-60.000	Y=	147.630	Z=	50.000
202	X=	-60.000	Y=	147.630	Z=	68.500
203	X=	-60.000	Y=	145.758	Z=	70.043
204	X=	-60.000	Y=	147.630	Z=	50.250
205	X=	-67.169	Y=	145.491	Z=	91.696
206	X=	-60.000	Y=	157.630	Z=	68.500
207	X=	-60.000	Y=	157.630	Z=	90.250
209	X=	-60.000	Y=	145.758	Z=	80.043
210	X=	-67.169	Y=	145.491	Z=	101.666
301	X=	-60.000	Y=	-147.630	Z=	50.000
302	X=	-60.000	Y=	-147.630	Z=	68.500
303	X=	-60.000	Y=	-145.758	Z=	70.043
304	X=	-60.000	Y=	-147.630	Z=	90.250
305	X=	-67.169	Y=	-143.491	Z=	91.696
306	X=	-60.000	Y=	-137.630	Z=	68.500
307	X=	-60.000	Y=	-137.630	Z=	90.250
308	X=	-60.000	Y=	-147.630	Z=	79.500
309	X=	-60.000	Y=	-145.758	Z=	80.043
310	X=	-67.169	Y=	-143.491	Z=	101.696
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402	X=	0.000	Y=	10.	Z=	91.75
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508	X=	0.570	Y=	-0.170	Z=	104.500
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515	X=	-7.738	Y=	2.033	Z=	126.730
516	X=	-9.550	Y=	1.740	Z=	120.000
517	X=	-9.550	Y=	1.740	Z=	144.500
518	X=	-1.169	Y=	1.029	Z=	143.586
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524	X=	-1.690	Y=	2.910	Z=	178.000
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636	X=	0.000	Y=	0.000	Z=	175.490
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653	X=	0.000	Y=	10.000	Z=	0.000
654	X=	0.000	Y=	10.000	Z=	0.000
655	X=	0.000	Y=	10.000	Z=	0.000
656	X=	0.000	Y=	10.000	Z=	0.000
657	X=	0.000	Y=	10.000	Z=	0.000
658	X=	0.000	Y=	10.000	Z=	0.000
659	X=	0.000	Y=	10.000	Z=	0.000
660	X=	0.000	Y=	10.000	Z=	0.000
661	X=	0.000	Y=	10.000	Z=	0.000
662	X=	0.000	Y=	10.000	Z=	0.000
663	X=	0.000	Y=	10.000	Z=	0.000
664	X=	0.000	Y=	10.000	Z=	0.000
665	X=	0.000	Y=	10.000	Z=	0.000
666	X=	0.000	Y=	10.000	Z=	0.000
667	X=	0.000	Y=	10.000	Z=	0.000
668	X=	0.000	Y=	10.000	Z=	0.000
669	X=	0.000	Y=	10.000	Z=	0.000
670	X=	0.000	Y=	10.000	Z=	0.000
671	X=	0.000	Y=	10.000	Z=	0.000
672	X=	0.000	Y=	10.000	Z=	0.000
673	X=	0.000	Y=	10.000	Z=	0.000
674	X=	0.000	Y=	10.000	Z=	0.000
675	X=	0.000	Y=	10.000	Z=	0.000
676	X=	0.000	Y=	10.000	Z=	0.000
677	X=	0.000	Y=	10.000	Z=	129.000
678	X=	0.000	Y=	10.000	Z=	144.50
679	X=	0.000	Y=	10.000	Z=	157.000
680	X=	0.000	Y=	10.000	Z=	175.670
681	X=	0.000	Y=	10.000	Z=	193.630
682	X=	0.000	Y=	10.000	Z=	210.250
683	X=	0.000	Y=	10.000	Z=	225.460
684	X=	0.000	Y=	10.000	Z=	238.580
685	X=	0.000	Y=	10.000	Z=	249.230
686	X=	0.000	Y=	10.000	Z=	257.080
687	X=	0.000	Y=	10.000	Z=	261.880
688	X=	0.000	Y=	0.000	Z=	263.500
689	X=	0.000	Y=	0.000	Z=	154.500
690	X=	0.000	Y=	0.000	Z=	168.500
691	X=	0.000	Y=	0.000	Z=	189.500
701	X=	29.100	Y=	144.740	Z=	50.000
702	X=	29.100	Y=	144.740	Z=	68.500
703	X=	28.971	Y=	144.076	Z=	69.773
704	X=	30.000	Y=	147.590	Z=	69.500
705	X=	30.000	Y=	147.390	Z=	90.250
706	X=	30.000	Y=	142.190	Z=	87.655
707	X=	30.000	Y=	147.170	Z=	90.250
708	X=	30.000	Y=	147.170	Z=	104.500
709	X=	17.397	Y=	143.321	Z=	104.399
710	X=	15.750	Y=	147.040	Z=	104.500
711	X=	15.750	Y=	147.040	Z=	114.000

712	X	18.410	Y	143.961	Z	115.310
713	X	15.130	Y	147.350	Z	114.000
714	X	15.130	Y	147.350	Z	129.000
715	X	21.319	Y	137.316	Z	131.561
716	X	25.150	Y	156.570	Z	129.000
717	X	25.150	Y	156.570	Z	144.500
718	X	23.458	Y	140.409	Z	144.995
719	X	24.480	Y	140.790	Z	144.500
720	X	24.480	Y	140.790	Z	154.500
721	X	22.488	Y	132.054	Z	154.255
722	X	29.100	Y	154.740	Z	68.500
723	X	30.000	Y	157.390	Z	90.250
724	X	30.000	Y	157.170	Z	104.500
725	X	15.750	Y	157.040	Z	114.000
726	X	15.130	Y	157.350	Z	129.000
727	X	25.150	Y	166.570	Z	144.500
728	X	24.480	Y	150.790	Z	154.500
729	X	20.000	Y	147.170	Z	90.250
730	X	28.971	Y	144.076	Z	79.773
731	X	30.000	Y	142.190	Z	97.655
732	X	17.397	Y	143.321	Z	114.399
733	X	18.410	Y	143.961	Z	125.310
734	X	21.319	Y	137.316	Z	141.561
735	X	23.458	Y	140.409	Z	154.995
736	X	22.488	Y	132.054	Z	164.255
801	X	29.100	Y	144.740	Z	50.000
802	X	29.100	Y	144.740	Z	68.500
803	X	28.971	Y	144.076	Z	69.773
804	X	30.000	Y	147.390	Z	68.500
805	X	30.000	Y	147.390	Z	90.250
806	X	30.000	Y	142.190	Z	87.655
807	X	30.000	Y	147.170	Z	90.250
808	X	30.000	Y	147.170	Z	104.500
809	X	17.397	Y	143.321	Z	104.399
810	X	15.750	Y	147.040	Z	104.500
811	X	15.750	Y	147.040	Z	114.000
812	X	18.410	Y	143.961	Z	115.310
813	X	15.130	Y	147.350	Z	114.000
814	X	15.130	Y	147.350	Z	129.000
815	X	21.319	Y	137.316	Z	131.561
816	X	25.150	Y	156.570	Z	129.000
817	X	25.150	Y	156.570	Z	144.500
818	X	23.458	Y	140.409	Z	144.995
819	X	24.480	Y	140.790	Z	144.500
820	X	24.480	Y	140.790	Z	154.500
821	X	22.488	Y	132.054	Z	154.255
822	X	29.100	Y	154.740	Z	68.500
823	X	30.000	Y	157.390	Z	90.250
824	X	30.000	Y	157.170	Z	104.500
825	X	15.750	Y	157.040	Z	114.000
826	X	15.130	Y	157.350	Z	129.000
827	X	25.150	Y	166.570	Z	144.500
828	X	24.480	Y	150.790	Z	154.500
829	X	20.000	Y	147.170	Z	90.250
830	X	28.971	Y	144.076	Z	79.773
831	X	30.000	Y	142.190	Z	97.655
832	X	17.397	Y	143.321	Z	114.399

833	X=	18.410	Y=	-143.961	Z=	125.310
834	X=	21.319	Y=	-137.316	Z=	141.561
835	X=	23.458	Y=	-140.409	Z=	154.995
836	X=	22.486	Y=	-132.054	Z=	166.255
901	X=	139.550	Y=	117.840	Z=	50.000
902	X=	139.550	Y=	94.890	Z=	68.574
903	X=	120.115	Y=	118.870	Z=	68.508
904	X=	138.320	Y=	118.870	Z=	97.250
905	X=	138.320	Y=	94.829	Z=	91.111
906	X=	120.046	Y=	120.100	Z=	90.250
907	X=	151.980	Y=	120.100	Z=	114.000
908	X=	151.980	Y=	85.417	Z=	112.028
909	X=	122.459	Y=	102.760	Z=	114.000
910	X=	164.810	Y=	102.760	Z=	129.000
911	X=	4.010	Y=	73.647	Z=	129.595
912	X=	136.263	Y=	101.570	Z=	144.500
913	X=	164.910	Y=	101.570	Z=	144.500
914	X=	164.910	Y=	82.335	Z=	147.955
915	X=	166.874	Y=	127.840	Z=	68.500
916	X=	139.550	Y=	127.840	Z=	68.500
917	X=	138.320	Y=	128.870	Z=	90.250
918	X=	151.980	Y=	130.100	Z=	114.000
919	X=	164.810	Y=	112.760	Z=	129.000
920	X=	164.910	Y=	111.570	Z=	144.500
921	X=	151.980	Y=	120.100	Z=	104.500
922	X=	120.046	Y=	94.890	Z=	79.574
923	X=	120.046	Y=	94.829	Z=	101.111
924	X=	122.459	Y=	85.417	Z=	122.028
925	X=	136.263	Y=	73.647	Z=	139.595
926	X=	166.874	Y=	82.335	Z=	157.955
927	X=	151.980	Y=	120.100	Z=	114.500
1001	X=	139.550	Y=	-117.840	Z=	50.000
1002	X=	139.550	Y=	-94.890	Z=	68.500
1003	X=	120.166	Y=	-118.870	Z=	69.582
1004	X=	138.320	Y=	-118.870	Z=	68.500
1005	X=	138.320	Y=	-94.287	Z=	90.250
1006	X=	120.541	Y=	-94.287	Z=	91.035
1007	X=	151.980	Y=	-120.100	Z=	90.250
1008	X=	151.980	Y=	-120.100	Z=	114.000
1009	X=	120.514	Y=	-89.418	Z=	113.010
1010	X=	153.980	Y=	-122.120	Z=	114.000
1011	X=	153.980	Y=	-122.120	Z=	129.000
1012	X=	130.874	Y=	-84.307	Z=	129.420
1013	X=	164.910	Y=	-101.570	Z=	129.000
1014	X=	164.910	Y=	-101.570	Z=	144.500
1015	X=	166.944	Y=	-82.491	Z=	147.917
1016	X=	139.550	Y=	-107.840	Z=	68.500
1017	X=	138.320	Y=	-108.870	Z=	90.250
1018	X=	151.980	Y=	-110.100	Z=	114.000
1019	X=	153.980	Y=	-112.120	Z=	129.000
1020	X=	164.910	Y=	-91.570	Z=	144.500
1021	X=	151.980	Y=	-120.100	Z=	104.500
1022	X=	120.166	Y=	-94.890	Z=	79.582
1023	X=	120.541	Y=	-94.287	Z=	101.035
1024	X=	120.514	Y=	-89.418	Z=	123.010
1025	X=	130.874	Y=	-84.307	Z=	139.420
1026	X=	166.944	Y=	-82.491	Z=	157.917

	151,980	Y=	-120,100	Z=	114,500
1027	X=				
2224	X=	-8.923	Y= 5.152	Z= 84.208	
2225	X=	8.923	Y= 5.152	Z= 84.208	
2226	X=	-8.923	Y= -5.152	Z= 84.208	
2227	X=	8.923	Y= -5.152	Z= 84.208	
2231	X=	-8.923	Y= 5.152	Z= 84.708	
2232	X=	-7.568	Y= 4.381	Z= 84.708	
2233	X=	-6.117	Y= 3.532	Z= 84.708	
2234	X=	.000	Y= .000	Z= 84.708	
2239	X=	.000	Y= .000	Z= 86.677	
2244	X=	6.117	Y= 3.532	Z= 84.708	
2249	X=	7.568	Y= 4.381	Z= 84.708	
2254	X=	8.923	Y= 5.152	Z= 84.708	
2221	X=	-8.923	Y= -5.152	Z= 84.708	
2222	X=	-7.590	Y= -4.381	Z= 84.708	
2223	X=	-6.117	Y= -3.532	Z= 84.708	
2226	X=	6.117	Y= -3.532	Z= 84.708	
2229	X=	7.587	Y= -4.381	Z= 84.708	
2230	X=	8.923	Y= -5.152	Z= 84.708	
2235	X=	-8.923	Y= 5.152	Z= 85.041	
2236	X=	8.923	Y= 5.152	Z= 85.041	
2237	X=	-8.923	Y= -5.152	Z= 85.041	
2238	X=	8.923	Y= -5.152	Z= 85.041	
2240	X=	-8.923	Y= 5.152	Z= 103.036	
2241	X=	8.923	Y= 5.152	Z= 103.036	
2242	X=	-8.923	Y= -5.152	Z= 103.036	
2243	X=	8.923	Y= -5.152	Z= 103.036	
2245	X=	-8.923	Y= 5.152	Z= 103.828	
2246	X=	8.923	Y= 5.152	Z= 103.828	
2247	X=	-8.923	Y= -5.152	Z= 103.828	
2248	X=	8.923	Y= -5.152	Z= 103.828	
2250	X=	-10.006	Y= 3.275	Z= 103.828	
2251	X=	10.006	Y= 3.275	Z= 103.828	
2252	X=	-10.006	Y= -3.275	Z= 103.828	
2253	X=	10.006	Y= -3.275	Z= 103.828	
2255	X=	-9.548	Y= 4.069	Z= 103.828	
2256	X=	9.548	Y= 4.069	Z= 103.828	
2257	X=	-9.548	Y= -4.069	Z= 103.828	
2258	X=	9.548	Y= -4.069	Z= 103.828	
2261	X=	.000	Y= 32.333	Z= 102.106	
2262	X=	.000	Y= 32.333	Z= 102.106	
2263	X=	.000	Y= 32.333	Z= 102.622	
2264	X=	.000	Y= 32.333	Z= 102.622	
2265	X=	.000	Y= 32.333	Z= 102.747	
2266	X=	.000	Y= 32.333	Z= 102.747	
2267	X=	.000	Y= 32.333	Z= 102.830	
2268	X=	.000	Y= 32.333	Z= 102.830	
2269	X=	.000	Y= 32.333	Z= 103.163	
2270	X=	.000	Y= 32.333	Z= 103.163	
2271	X=	.000	Y= 32.333	Z= 104.125	
2272	X=	.000	Y= 32.333	Z= 104.125	
2273	X=	.000	Y= 32.333	Z= 105.089	
2274	X=	.000	Y= 32.333	Z= 105.089	
2275	X=	.000	Y= 32.333	Z= 106.317	
2276	X=	.000	Y= 32.333	Z= 106.317	
2277	X=	.000	Y= 32.333	Z= 110.035	
2278	X=	.000	Y= 32.333	Z= 110.035	

2279	X=	.000	Y=	32.333	Z=	113.755
2280	X=	.000	Y=	-32.333	Z=	113.755
2281	X=	.000	Y=	32.333	Z=	116.005
2282	X=	.000	Y=	-32.333	Z=	116.005
2283	X=	.000	Y=	32.333	Z=	129.080
2284	X=	.000	Y=	-32.333	Z=	129.080
2285	X=	.000	Y=	32.333	Z=	137.057
2286	X=	.000	Y=	-32.333	Z=	137.057
2287	X=	.000	Y=	32.333	Z=	140.630
2288	X=	.000	Y=	-32.333	Z=	140.630
2289	X=	.000	Y=	32.333	Z=	144.203
2290	X=	.000	Y=	-32.333	Z=	144.203
2301	X=	.000	Y=	32.333	Z=	148.663
2302	X=	.000	Y=	-32.333	Z=	148.663
2303	X=	.000	Y=	34.167	Z=	148.663
2304	X=	.000	Y=	-34.167	Z=	148.663
2305	X=	.000	Y=	40.500	Z=	148.663
2306	X=	.000	Y=	-40.500	Z=	148.663
2311	X=	.000	Y=	32.333	Z=	153.997
2312	X=	.000	Y=	-32.333	Z=	153.997
2313	X=	.000	Y=	32.333	Z=	159.402
2314	X=	.000	Y=	-32.333	Z=	159.402
2315	X=	.000	Y=	42.010	Z=	159.402
2316	X=	.000	Y=	-42.010	Z=	159.402
2317	X=	.000	Y=	22.656	Z=	159.402
2318	X=	.000	Y=	-22.656	Z=	159.402
2319	X=	.000	Y=	42.532	Z=	159.402
2320	X=	.000	Y=	-42.532	Z=	159.402
2321	X=	.000	Y=	43.208	Z=	159.402
2322	X=	.000	Y=	-43.208	Z=	159.402
2323	X=	.000	Y=	27.135	Z=	159.402
2324	X=	.000	Y=	-27.135	Z=	159.402
2325	X=	.000	Y=	21.458	Z=	159.402
2326	X=	.000	Y=	-21.458	Z=	159.402
2327	X=	.000	Y=	5.152	Z=	104.120
2328	X=	.000	Y=	-5.152	Z=	104.120
2329	X=	.000	Y=	5.152	Z=	104.120
2330	X=	.000	Y=	-5.152	Z=	104.120
2331	X=	.000	Y=	5.152	Z=	104.250
2332	X=	.000	Y=	-5.152	Z=	104.250
2333	X=	.000	Y=	5.152	Z=	104.250
2334	X=	.000	Y=	-5.152	Z=	104.250
2335	X=	.000	Y=	5.072	Z=	105.340
2336	X=	.000	Y=	-5.072	Z=	105.340
2337	X=	.000	Y=	5.072	Z=	105.340
2338	X=	.000	Y=	-5.072	Z=	105.340
2339	X=	.000	Y=	5.072	Z=	107.250
2340	X=	.000	Y=	-5.072	Z=	107.250
2341	X=	.000	Y=	5.072	Z=	107.250
2342	X=	.000	Y=	-5.072	Z=	107.250
2343	X=	.000	Y=	5.072	Z=	107.250
2344	X=	.000	Y=	-5.072	Z=	107.250
2345	X=	.000	Y=	5.072	Z=	107.250
2346	X=	.000	Y=	-5.072	Z=	107.250
2347	X=	.000	Y=	5.072	Z=	107.250
2348	X=	.000	Y=	-5.072	Z=	107.250
2349	X=	.000	Y=	5.072	Z=	107.250
2350	X=	.000	Y=	-5.072	Z=	107.250
2351	X=	.000	Y=	5.072	Z=	107.250
2352	X=	.000	Y=	-5.072	Z=	107.250
2353	X=	.000	Y=	5.072	Z=	107.250
2354	X=	.000	Y=	-5.072	Z=	107.250
2355	X=	.000	Y=	5.072	Z=	107.250
2356	X=	.000	Y=	-5.072	Z=	107.250
2357	X=	.000	Y=	5.072	Z=	107.250
2358	X=	.000	Y=	-5.072	Z=	107.250
2359	X=	.000	Y=	5.072	Z=	107.250

2360	X=	.000	Y=	.000	Z=	119.250
2361	X=	-8.428	Y=	4.866	Z=	107.250
2362	X=	8.428	Y=	4.866	Z=	107.250
2363	X=	-8.428	Y=	-4.866	Z=	107.250
2364	X=	8.428	Y=	-4.866	Z=	107.250
2365	X=	-7.757	Y=	4.479	Z=	107.250
2366	X=	7.757	Y=	4.479	Z=	107.250
2367	X=	-7.757	Y=	-4.479	Z=	107.250
2368	X=	7.757	Y=	-4.479	Z=	107.250
2370	X=	-7.472	Y=	4.270	Z=	107.250
2371	X=	7.472	Y=	4.270	Z=	107.250
2372	X=	-7.472	Y=	-4.270	Z=	107.250
2373	X=	7.472	Y=	-4.270	Z=	107.250
2375	X=	.000	Y=	26.178	Z=	109.480
2376	X=	.000	Y=	-26.178	Z=	109.480
2377	X=	.000	Y=	25.793	Z=	109.136
2378	X=	.000	Y=	-25.793	Z=	109.136
2379	X=	.000	Y=	25.274	Z=	108.770
2380	X=	.000	Y=	-25.274	Z=	108.770
2381	X=	.000	Y=	24.977	Z=	108.560
2382	X=	.000	Y=	-24.977	Z=	108.560
2383	X=	.000	Y=	24.466	Z=	108.199
2384	X=	.000	Y=	-24.466	Z=	108.199
2389	X=	.000	Y=	23.776	Z=	107.791
2390	X=	.000	Y=	-23.776	Z=	107.791
2391	X=	.000	Y=	23.033	Z=	107.493
2392	X=	.000	Y=	-23.033	Z=	107.493
2393	X=	.000	Y=	22.253	Z=	107.311
2394	X=	.000	Y=	-22.253	Z=	107.311
2395	X=	.000	Y=	21.454	Z=	107.250
2396	X=	.000	Y=	-21.454	Z=	107.250
2397	X=	.000	Y=	10.542	Z=	107.250
2398	X=	.000	Y=	-10.542	Z=	107.250
2399	X=	.000	Y=	9.970	Z=	107.250
2400	X=	.000	Y=	-9.970	Z=	107.250
2401	X=	.000	Y=	9.508	Z=	107.250
2402	X=	.000	Y=	-9.508	Z=	107.250
2403	X=	.000	Y=	8.958	Z=	107.250
2404	X=	.000	Y=	-8.958	Z=	107.250
2405	X=	.000	Y=	.40	Z=	107.250
2406	X=	.000	Y=	-.40	Z=	107.250
2259	X=	.000	Y=	.000	Z=	.000
2260	X=	.000	Y=	.000	Z=	.000
2281	X=	-7.597	Y=	-4.386	Z=	84.708
2282	X=	7.597	Y=	4.386	Z=	84.708
2283	X=	-7.597	Y=	-4.386	Z=	84.708
2284	X=	7.597	Y=	4.386	Z=	84.708
2285	X=	.000	Y=	32.343	Z=	102.106
2286	X=	.000	Y=	-32.343	Z=	102.106
2287	X=	.000	Y=	.000	Z=	.000
2288	X=	.000	Y=	.000	Z=	.000
2289	X=	.000	Y=	.000	Z=	.000
2290	X=	.000	Y=	.000	Z=	.000
2307	X=	.010	Y=	43.208	Z=	159.402
2308	X=	.010	Y=	-43.208	Z=	159.402
2309	X=	.010	Y=	21.458	Z=	159.402
2310	X=	.010	Y=	-21.458	Z=	159.402

2327	X=	5.000	Y=	.000	Z=	37.000
2328	X=	5.000	Y=	.000	Z=	-8.000
2329	X=	216.000	Y=	.000	Z=	40.000
2330	X=	216.000	Y=	.000	Z=	-8.000
2331	X=	-133.675	Y=	90.050	Z=	40.000
2332	X=	-133.675	Y=	90.050	Z=	110.000
2333	X=	59.007	Y=	149.797	Z=	40.000
2334	X=	59.007	Y=	149.797	Z=	110.000
2339	X=	161.000	Y=	.000	Z=	40.000
2344	X=	161.000	Y=	.000	Z=	110.000
2369	X=	49.752	Y=	-153.120	Z=	40.000
2374	X=	49.752	Y=	-153.120	Z=	110.000
2385	X=	.000	Y=	.000	Z=	40.000
2386	X=	.000	Y=	.000	Z=	.000
2387	X=	.000	Y=	.000	Z=	.000
2388	X=	.000	Y=	.000	Z=	.000
2407	X=	.000	Y=	.000	Z=	.000
2408	X=	.000	Y=	.000	Z=	.000
2409	X=	10.000	Y=	.000	Z=	148.663
2410	X=	10.000	Y=	.000	Z=	159.402
2411	X=	10.000	Y=	.000	Z=	159.402
2412	X=	10.000	Y=	.000	Z=	107.250
2413	X=	.000	Y=	.000	Z=	.000
2414	X=	.000	Y=	.000	Z=	.000
2415	X=	.000	Y=	.000	Z=	.000
2416	X=	.000	Y=	.000	Z=	.100

RESTRAINTS

25	R=1	1	1	1	1
26	R=1	1	1	1	1
27	R=1	1	1	1	1
28	R=1	1	1	1	1
29	R=1	1	1	1	1
30	R=1	1	1	1	1
31	R=1	1	1	1	1
32	R=1	1	1	1	1
34.42	R=1	1	1	1	1
125	R=1	1	1	1	1
126	R=1	1	1	1	1
127	R=1	1	1	1	1
128	R=1	1	1	1	1
129	R=1	1	1	1	1
130	R=1	1	1	1	1
131	R=1	1	1	1	1
132	R=1	1	1	1	1
134.142	R=1	1	1	1	1
206	R=1	1	1	1	1
207	R=1	1	1	1	1
209.210	R=1	1	1	1	1
306	R=1	1	1	1	1
307	R=1	1	1	1	1
309.311	R=1	1	1	1	1
402	R=1	1	1	1	1
530	R=1	1	1	1	1
531	R=1	1	1	1	1
532	R=1	1	1	1	1
533	R=1	1	1	1	1

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686 R=1,1,1,1,1,1
687 R=1,1,1,1,1,1
723 R=1,1,1,1,1,1
724 R=1,1,1,1,1,1
725 R=1,1,1,1,1,1
726 R=1,1,1,1,1,1
727 R=1,1,1,1,1,1
728 R=1,1,1,1,1,1
729 R=1,1,1,1,1,1

730 736 1 R=1,1,1,1,1,1
 822 R=1,1,1,1,1,1
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 826 R=1,1,1,1,1,1
 827 R=1,1,1,1,1,1
 828 R=1,1,1,1,1,1
 829 R=1,1,1,1,1,1
 830 836 1 R=1,1,1,1,1,1
 822 R=1,1,1,1,1,1
 916 R=1,1,1,1,1,1
 917 R=1,1,1,1,1,1
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 919 R=1,1,1,1,1,1
 920 R=1,1,1,1,1,1
 922 927 1 R=1,1,1,1,1,1
 1016 R=1,1,1,1,1,1
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 1019 R=1,1,1,1,1,1
 1020 R=1,1,1,1,1,1
 1022 1027 1 R=1,1,1,1,1,1
 2259 2260 1 R=1,1,1,1,1,1
 2287 2290 1 R=1,1,1,1,1,1
 2327 2334 1 R=1,1,1,1,1,1
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 2344 R=1,1,1,1,1,1
 2349 R=1,1,1,1,1,1
 2374 R=1,1,1,1,1,1
 2385 R=1,1,1,1,1,1
 2386 2388 1 R=1,1,1,1,1,1
 2407 2416 1 R=1,1,1,1,1,1
 1 R=1,1,1,1,1,1
 101 R=1,1,1,1,1,1
 201 R=1,1,1,1,1,1
 301 R=1,1,1,1,1,1
 501 R=1,1,1,1,1,1
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 901 R=1,1,1,1,1,1
 1001 R=1,1,1,1,1,1

MASSES
 3 M=8.905000e+005, 8.905000e+005, 0.000000e+000, 2.194000e+009,
 2.497000e+009, 4.654000e+009
 6 M=6.941000e+005, 6.941000e+005, 0.000000e+000, 1.436000e+009,
 1.661000e+009, 3.075000e+009
 9 M=3.662000e+005, 3.662000e+005, 0.000000e+000, 8.638000e+008,
 5.741000e+008, 1.429000e+009
 12 M=5.827000e+005, 5.827000e+005, 0.000000e+000, 1.304000e+009,
 1.542000e+009, 2.834000e+009
 15 M=8.421000e+005, 8.421000e+005, 0.000000e+000, 2.060000e+009,
 1.755000e+009, 3.790000e+009
 18 M=5.797000e+005, 5.797000e+005, 0.000000e+000, 1.463000e+009,
 1.623000e+009, 3.062000e+009
 21 M=4.125000e+005, 4.125000e+005, 0.000000e+000, 9.357000e+008,

132000e+009	2.045000e+009	0.000000e+000	7.304000e+005
24	M=3.450000e+005	0.000000e+000	7.304000e+005
7.532000e+008	1.479000e+009	0.000000e+000	1.658000e+009
103	M=7.678000e+005	0.000000e+000	1.658000e+009
2.944000e+009	4.563000e+009	0.000000e+000	6.148000e+008
106	M=4.350000e+005	0.000000e+000	6.148000e+008
8.548000e+008	1.657000e+009	0.000000e+000	1.647000e+009
109	M=7.430000e+005	0.000000e+000	1.647000e+009
2.985000e+009	4.567000e+009	0.000000e+000	1.602000e+009
112	M=7.199000e+005	0.000000e+000	1.602000e+009
2.965000e+009	4.504000e+009	0.000000e+000	1.011000e+009
115	M=5.696000e+005	0.000000e+000	1.011000e+009
2.292000e+009	3.274000e+009	0.000000e+000	9.146000e+008
118	M=5.671000e+005	0.000000e+000	9.146000e+008
2.474000e+009	3.352000e+009	0.000000e+000	8.447000e+008
121	M=4.219000e+005	0.000000e+000	8.447000e+008
1.707000e+009	2.498000e+009	0.000000e+000	9.626000e+008
124	M=3.648000e+005	0.000000e+000	9.626000e+008
3.369000e+009	4.321000e+009	0.000000e+000	3.221000e+007
203	M=1.055000e+005	0.000000e+000	3.221000e+007
1.609000e+008	1.868000e+008	0.000000e+000	3.294000e+007
205	M=1.394000e+005	0.000000e+000	3.294000e+007
2.227000e+008	2.457000e+008	0.000000e+000	3.221000e+007
303	M=1.055000e+005	0.000000e+000	3.221000e+007
1.609000e+008	1.868000e+008	0.000000e+000	3.294000e+007
305	M=1.394000e+005	0.000000e+000	3.294000e+007
2.227000e+008	2.457000e+008	0.000000e+000	4.508000e+009
503	M=1.566000e+006	0.000000e+000	4.508000e+009
4.554000e+009	8.961000e+009	0.000000e+000	3.897000e+009
506	M=1.540000e+006	0.000000e+000	3.897000e+009
3.903000e+009	7.722000e+009	0.000000e+000	1.619000e+009
509	M=6.776000e+005	0.000000e+000	1.619000e+009
1.842000e+009	3.444000e+009	0.000000e+000	2.156000e+009
512	M=7.325000e+005	0.000000e+000	2.156000e+009
2.234000e+009	4.253000e+009	0.000000e+000	3.122000e+008
515	M=2.665000e+005	0.000000e+000	3.122000e+008
4.410000e+008	7.448000e+008	0.000000e+000	8.273000e+009
518	M=4.784000e+005	0.000000e+000	8.273000e+009
7.707000e+008	1.576000e+009	0.000000e+000	5.395000e+008
521	M=2.550000e+005	0.000000e+000	5.395000e+008
4.254000e+008	9.353000e+008	0.000000e+000	5.104000e+008
526	M=2.196000e+005	0.000000e+000	5.104000e+008
4.248000e+008	9.143000e+008	0.000000e+000	1.646000e+008
529	M=8.689000e+004	0.000000e+000	1.646000e+008
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632	M=86560.0000000	0.000000e+000	4.853000e+008
4.853000e+008	9.681000e+008	0.000000e+000	1.043000e+009
633	M=1.816470e+005	0.000000e+000	1.043000e+009
1.043000e+009	2.080000e+009	0.000000e+000	8.899000e+009
634	M=1.555350e+005	0.000000e+000	8.899000e+009
8.899000e+009	1.774000e+009	0.000000e+000	1.452490e+005
635	M=1.652690e+005	0.000000e+000	1.452490e+005
8.270000e+008	1.647000e+009	0.000000e+000	8.270000e+008
636	M=1.710000e+005	0.000000e+000	8.270000e+008
9.451000e+008	1.881000e+009	0.000000e+000	9.451000e+008
637	M=1.631000e+005	0.000000e+000	9.451000e+008
8.211000e+008	1.634000e+009	0.000000e+000	8.211000e+008
638	M=1.634000e+005	0.000000e+000	8.211000e+008

638	M=1.503000e+005,	1.503000e+005,	0.000000e+000,	6.427000e+008,
639	M=1.330000e+005,	1.330000e+005,	0.000000e+000,	-.448000e+008,
640	M=1.116000e+005,	1.116000e+005,	0.000000e+000,	2.628000e+000,
641	M=8.680000e+004,	8.680000e+004,	0.000000e+000,	1.237000e+008,
642	M=5.938000e+004,	5.938000e+004,	0.000000e+000,	3.959000e+007,
643	M=3.015000e+004,	3.015000e+004,	0.000000e+000,	5.181000e+006,
644	M=3.790000e+003,	3.790000e+003,	0.000000e+000,	8.168000e+004,
703	M=9.054000e+004,	9.054000e+004,	0.000000e+000,	2.038000e+007,
706	M=1.808000e+005,	1.808000e+005,	0.000000e+000,	1.690000e+007,
709	M=9.122000e+004,	9.122000e+004,	0.000000e+000,	1.767000e+007,
712	M=9.822000e+004,	9.822000e+004,	0.000000e+000,	2.059000e+007,
715	M=1.101000e+005,	1.101000e+005,	0.000000e+000,	4.602000e+007,
718	M=5.653000e+004,	5.653000e+004,	0.000000e+000,	2.129000e+007,
721	M=8.311000e+004,	8.311000e+004,	0.000000e+000,	3.041000e+007,
803	M=9.054000e+004,	9.054000e+004,	0.000000e+000,	2.038000e+007,
806	M=1.808000e+005,	1.808000e+005,	0.000000e+000,	1.690000e+007,
809	M=9.122000e+004,	9.122000e+004,	0.000000e+000,	1.767000e+007,
812	M=9.822000e+004,	9.822000e+004,	0.000000e+000,	2.059000e+007,
815	M=1.101000e+005,	1.101000e+005,	0.000000e+000,	4.602000e+007,
818	M=5.653000e+004,	5.653000e+004,	0.000000e+000,	2.129000e+007,
821	M=8.311000e+004,	8.311000e+004,	0.000000e+000,	3.041000e+007,
903	M=5.491000e+005,	5.491000e+005,	0.000000e+000,	1.264000e+009,
906	M=5.649000e+005,	5.649000e+005,	0.000000e+000,	1.283000e+009,
909	M=4.567000e+005,	4.567000e+005,	0.000000e+000,	8.454000e+008,
912	M=2.689000e+005,	2.689000e+005,	0.000000e+000,	3.668000e+008,
915	M=2.587000e+005,	2.587000e+005,	0.000000e+000,	4.143000e+008,
1003	M=5.502000e+005,	5.502000e+005,	0.000000e+000,	1.247000e+009,
1006	M=5.575000e+005,	5.575000e+005,	0.000000e+000,	1.270000e+009,
1009	M=4.668000e+005,	4.668000e+005,	0.000000e+000,	9.355000e+008,

.792000e+008, 1.897000e+009
 1012 M=3.341000e+005, 0.000000e+000, 5.154000e+008,
 4.411000e+008, 9.505000e+008
 1015 M=2.600000e+005, 0.000000e+000, 4.140000e+005,
 2.667000e+008, 6.498000e+008
 2295 M=.4320E+05, .4320E+05, .0000E+00, .0000E+00, .0000E+00,
 2294 M=.4320E+05, .4320E+05, .0000E+00, .0000E+00, .0000E+00,
 2311 M=.1760E+05, .1760E+05, .00000000, .0000E+00, .0000E+00,
 2312 M=.1760E+05, .1760E+05, .00000000, .0000E+00, .0000E+00,
 2357 M=.4748E+05, .4748E+05, .0000E+00, .0000E+00, .0000E+00,
 2360 M=.3008E+05, .3008E+05, .00000000, .0000E+00, .0000E+00,
 400 M=233016.7, 233016.7

FRAME
 NM=172
 1 A=4.987000e+003, J=1.119527e+007, I=1.059113e+007, 6.871705
 e+006, AS=2.166000e+003, 2.789000e+003 E=586696000 G=250724786
 2 A=4.806000e+003, J=1.043694e+007, I=1.041621e+007, 6.609752
 e+006, AS=2.095000e+003, 2.459000e+003 E=586696000 G=250724786
 3 A=5.830000e+003, J=1.524807e+007, I=1.117249e+007, 9.465082
 e+006, AS=3.327000e+003, 4.257000e+003 E=586696000 G=250724786
 4 A=5.226000e+003, J=1.444891e+007, I=1.084314e+007, 9.285337
 e+006, AS=2.844000e+003, 3.429000e+003 E=586696000 G=250724786
 5 A=5.915000e+003, J=1.698796e+007, I=1.322718e+007, 9.134954
 e+006, AS=3.287000e+003, 4.053000e+003 E=586696000 G=250724786
 6 A=6.699000e+003, J=2.261466e+007, I=1.793224e+007, 9.552398
 e+006, AS=4.083000e+003, 4.461000e+003 E=586696000 G=250724786
 7 A=2.568000e+003, J=8.00588e+006, I=6.330348e+006, 7.231077
 e+006, AS=1.032000e+003, 1.160000e+003 E=586696000 G=250724786
 8 A=2.368000e+003, J=7.385858e+006, I=.030092e+006, 7.250149
 e+006, AS=1.058000e+003, 1.089000e+003 E=586696000 G=250724786
 9 A= 1e+006, J= 1e+010, I= 1e+010, AS=
 0, E=586696000 G=250724786
 10 A= 1e+007, J= 1e+000, I= 1e+009, AS=
 0, E=586696000 G=250724786
 11 A=5.654000e+003, J=1.371760e+007, I=1.258070e+007, 1.422792
 e+007, AS=2.235000e+003, 2.762000e+003 E=586696000 G=250724786
 12 A=5.164000e+003, J=1.260017e+007, I=9.858755e+006, 1.200920
 e+007, AS=2.469000e+003, 2.709000e+003 E=586696000 G=250724786
 13 A=6.312000e+003, J=1.579511e+007, I=1.238033e+007, 1.389707
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 14 A=3.786000e+003, J=9.459058e+006, I=9.678181e+006, 1.087125
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 15 A=4.228000e+003, J=1.206919e+007, I=1.106632e+007, 1.243467
 e+007, AS=1.335000e+003, 2.087000e+003 E=586696000 G=250724786
 16 A=3.056000e+003, J=8.827584e+006, I=5.544884e+006, 1.141390
 e+007, AS=1.009000e+003, 1.674000e+003 E=586696000 G=250724786
 17 A=2.591000e+003, J=6.298977e+006, I=4.768573e+006, 1.279171
 e+007, AS=6.090000e+002, 1.425000e+003 E=586696000 G=250724786
 18 A=2.120000e+003, J=3.163699e+006, I=4.563244e+006, 9.002068
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 19 A= 1e+006, J= 1e+010, I= 1e+010, AS=
 0, E=586696000 G=250724786
 20 A= 1e+007, J= 1e+010, I= 1e+014, AS=
 0, E=586696000 G=250724786
 21 A=8.640000e+002, J=9.023740e+005, I=2.854310e+005, 1.442632

0006,	AS=1.650000e+002,7.060000e+002	E=586696000			
22	A=8.640000e+002	J=8.880630e+005			
e+006,	AS=1.590000e+002,7.030000e+002	E=586696000			
23	A=1e+006,	J=1e+010,	I=1e+010,	G=250724786	AS=
0,	0	E=586696000	G=250724786	AS=	
24	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
25	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
26	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
27	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
28	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
29	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
30	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
31	A=8.640000e+002	J=9.023760e+005	I=2.854510e+005,1.442632	G=250724786	
e+006,	AS=1.650000e+002,7.060000e+002	E=586696000	I=2.854450e+005,1.442632	G=250724786	
32	A=8.640000e+002	J=8.880630e+005	G=250724786	AS=	
e+006,	AS=1.590000e+002,7.030000e+002	E=586696000	I=1e+010,	AS=	
33	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
34	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
35	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
36	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
37	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
38	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
39	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
40	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0,	0	E=586696000	G=250724786	AS=	
41	A=1.137700e+004	J=4.758608e+007	I=3.525400e+007,3.501900	G=250724786	
e+007,	AS=5.112000e+003,5.485000e+003	E=586696000	I=3.683400e+007,3.591700	G=250724786	
42	A=9.540000e+003	J=5.952722e+007	G=250724786	AS=	
e+007,	AS=4.112000e+003,4.485000e+003	E=586696000	I=3.440000e+007,3.465300	G=250724786	
43	A=8.591000e+003	J=5.522520e+007	I=3.562500e+007,3.724100	G=250724786	
e+007,	AS=3.108000e+003,3.597000e+003	E=586696000	I=5.891000e+006,8.614000	G=250724786	
44	A=9.766000e+003	J=5.967276e+007	G=250724786	AS=	
e+007,	AS=3.769000e+003,4.459000e+003	E=586696000	I=5.562000e+006,7.952000	G=250724786	
45	A=4.727000e+003	J=1.229569e+007	G=250724786	AS=	
e+006,	AS=2.415000e+003,2.810000e+003	E=586696000	I=5.705000e+006,3.772000	G=250724786	
46	A=4.048000e+003	J=1.126906e+007	I=947000e+004,4.037000	G=250724786	
e+006,	AS=1.988000e+003,1.850000e+003	E=586696000	I=5.131000e+006,4.361000	G=250724786	
47	A=2.574800e+003	J=7.638804e+006	G=250724786	AS=	
e+006,	AS=6.530000e+002,1.221000e+003	E=586696000	I=5.705000e+006,3.772000	G=250724786	
48	A=1.946000e+003	J=7.637295e+006	I=947000e+004,4.037000	G=250724786	
e+006,	AS=5.990000e+002,8.070000e+002	E=586696000	I=5.131000e+006,4.361000	G=250724786	
49	A=2.034000e+003	J=8.057507e+006	G=250724786	AS=	
e+006,	AS=6.530000e+002,8.240000e+002	E=586696000			

50	A=1.684000e+003	J=7.565734e+006		
e+006	AS=5.600000e+002	5.600000e+002	E=586696000	
51	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
52	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
53	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
54	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
55	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
56	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
57	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
58	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
59	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
60	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
61	A=2.689000e+003	J=3.078869e+007		
e+007	AS=1.345000e+003	1.345000e+003	E=586696000	I=1.539434e+007
62	A=2.689000e+003	J=3.078869e+007		G=250724786
e+007	AS=1.345000e+003	1.345000e+003	E=586696000	I=1.539434e+007
63	A=2.007000e+003	J=2.276931e+007		G=250724786
e+007	AS=1.004000e+003	1.004000e+003	E=586696000	I=1.138466e+007
64	A=1.350000e+003	J=2.100000e+007		G=250724786
e+007	AS=9.500000e+002	9.500000e+002	E=586696000	I=1.100000e+007
65	A=9.500000e+002	J=1.676040e+007		G=250724786
e+006	AS=8.900000e+002	8.900000e+002	E=586696000	I=1.100000e+006
66	A=5.500000e+002	J=1.237401e+007		G=250724786
e+006	AS=7.000000e+002	7.000000e+002	E=586696000	I=7.200000e+006
67	A=3.000000e+002	J=7.978520e+006		G=250724786
e+006	AS=5.000000e+002	5.000000e+002	E=586696000	I=4.137000e+006
68	A=2.000000e+002	J=4.249100e+006		G=250724786
e+006	AS=3.600000e+002	3.600000e+002	E=586696000	I=1.980000e+006
69	A=1.000000e+002	J=1.679409e+006		G=250724786
e+005	AS=2.500000e+002	2.500000e+002	E=586696000	I=6.960000e+005
70	A=5.000000e+001	J=3.903040e+005		G=250724786
e+005	AS=3.000000e+002	3.000000e+002	E=586696000	I=1.500000e+005
71	A=3.000000e+001	J=1.491900e+004		G=250724786
e+002	AS=3.500000e+002	3.500000e+002	E=586696000	I=5.000000e+002
72	A=1.500000e+001	J=7.459000e+003		G=250724786
e+001	AS=4.500000e+002	4.500000e+002	E=586696000	I=5.000000e+001
73	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
74	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
75	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
76	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
77	A=1e+006	J=1e+010	I=1e+010	AS=
0	0	E=586696000	G=250724786	
78	A=1e+006	J=1e+010	I=1e+010	AS=

```

0, 0 E=586696000 G=250724786
79 A= 1e+006, J= 1e+010, I= 1e+010, AS=
0 E=586696000 G=250724786
80 A= 1e+006, J= 1e+010, I= 1e+010, AS=
0 E=586696000 G=250724786
81 A=7.920000e+002, J=3.124550e+005,
e+005, AS=3.310000e+002, 4.730000e+002 E=586696000
82 A=6.480000e+002, J=2.842170e+005,
e+005, AS=3.370000e+002, 3.627000e+002 E=586696000
83 A=6.480000e+002, J=2.940030e+005,
e+005, AS=3.370000e+002, 3.490000e+002 E=586696000
84 A=7.760000e+002, J=6.885867e+005,
e+005, AS=3.110000e+002, 5.030000e+002 E=586696000
85 A=7.760000e+002, J=6.493180e+005,
e+005, AS=2.810000e+002, 4.830000e+002 E=586696000
86 A=8.160000e+002, J=7.758760e+005,
e+005, AS=4.440000e+002, 3.250000e+002 E=586696000
87 A=9.860000e+002, J=7.854450e+005,
e+005, AS=4.660000e+002, 4.450000e+002 E=586696000
88 A= 1e+006, J= 1e+010, I= 1e+009,
0 E=586696000 G=250724786
89 A= 1e+006, J= 1e+010, I= 1e+010, AS=
0 E=586696000 G=250724786
90 A= 1e+006, J= 1e+010, I= 1e+010, AS=
0 E=586696000 G=250724786
91 A=7.980000e+002, J=3.124550e+005,
e+005, AS=3.310000e+002, 4.730000e+002 E=586696000
92 A=6.480000e+002, J=2.842170e+005,
e+005, AS=3.370000e+002, 3.620000e+002 E=586696000
93 A=6.480000e+002, J=2.940030e+005,
e+005, AS=3.370000e+002, 3.490000e+002 E=586696000
94 A=7.760000e+002, J=6.885867e+005,
e+005, AS=3.110000e+002, 5.030000e+002 E=586696000
95 A=7.760000e+002, J=6.493180e+005,
e+005, AS=2.810000e+002, 4.830000e+002 E=586696000
96 A=8.160000e+002, J=7.758760e+005,
e+005, AS=4.440000e+002, 3.250000e+002 E=586696000
97 A=9.860000e+002, J=7.854450e+005,
e+005, AS=4.660000e+002, 4.450000e+002 E=586696000
98 A= 1e+006, J= 1e+010, I= 1e+009,
0 E=586696000 G=250724786
99 A=100000, J=200000, I=10975, 10974, AS=0, 0,
100 A= 1e+006, J= 1e+010, I= 1e+010, AS=
0 E=586696000 G=250724786
101 A=2.796000e+003, J=5.828511e+006,
e+006, AS=1.415000e+003, 1.130000e+003 E=586696000
102 A=2.826000e+003, J=6.024448e+006,
e+006, AS=1.383000e+003, 1.158000e+003 E=586696000
103 A=2.510000e+003, J=6.765741e+006,
e+006, AS=9.100000e+002, 1.197000e+003 E=586696000
104 A=2.148000e+003, J=2.908011e+006,
e+006, AS=1.396000e+003, 6.270000e+002 E=586696000
105 A=1.573000e+003, J=1.214056e+006,
e+006, AS=7.940000e+002, 5.040000e+002 E=586696000
106 A= 1e+006, J= 1e+010, I= 1e+010, AS=
0 E=586696000 G=250724786
107 A= 1e+006, J= 1e+010, I= 1e+010, AS=

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```

1e+010, AS=
1e+010, AS=
I=1.900610e+005, 2.930150
G=250724786
I=1.829390e+005, 2.526040
G=250724786
I=1.822580e+005, 2.526040
G=250724786
I=2.136450e+005, 7.097450
G=250724786
I=2.140850e+005, 7.119000
G=250724786
I=4.288590e+005, 8.637330
G=250724786
I=3.733310e+005, 8.324170
G=250724786
1e+009, AS=
1e+010, AS=
1e+010, AS=
I=1.900610e+005, 2.930150
G=250724786
I=1.829390e+005, 2.526040
G=250724786
I=1.822580e+005, 2.526040
G=250724786
I=2.136450e+005, 7.097450
G=250724786
I=2.140850e+005, 7.119000
G=250724786
I=4.288590e+005, 8.637330
G=250724786
I=3.733310e+005, 8.324170
G=250724786
1e+009, AS=
E=4.32e+0 G=1.662e+9
1e+010, AS=
I=7.66e-182e+006, 4.079374
G=250724786
I=7.767836e+006, 4.674088
G=250724786
I=6.154811e+006, 5.581401
G=250724786
I=3.477075e+006, 4.330223
G=250724786
I=2.504725e+006, 2.395127
G=250724786
1e+010, AS=
1e+010, AS=

```

0	E=586696000	G=250724786			
108	A=1e+006,	J=1e+010,	I=1e+010,	1e+010,	AS=
0	E=586696000	G=250724786			
109	A=1e+006,	J=1e+010,	I=1e+010,	1e+010,	AS=
0	E=586696000	G=250724786			
110	A=1e+006,	J=1e+010,	I=1e+010,	1e+010,	AS=
0	E=586696000	G=250724786			
111	A=2.799000e+003,	J=5.828510e+006,	I=7.666182e+006,	4.0795174	
e+006,	AS=1.415000e+003,	E=586696000	G=250724786		
112	A=2.826000e+003,	J=6.024448e+006,	I=7.767836e+006,	-.674088	
e+006,	AS=1.583000e+003,	E=586696000	G=250724786		
113	A=2.510000e+003,	J=4.765741e+006,	I=6.154811e+006,	5.581401	
e+006,	AS=9.100000e+002,	E=586696000	G=250724786		
114	A=2.076000e+003,	J=2.192306e+006,	I=4.794957e+006,	4.614933	
e+006,	AS=7.540000e+002,	E=586696000	G=250724786		
115	A=1.588000e+003,	J=1.2714056e+006,	I=7.504725e+006,	2.393127	
e+006,	AS=7.940000e+002,	E=586696000	G=250724786		
116	A=1e+006,	J=1e+010,	I=1e+010,	AS=	
0	E=586696000	G=250724786			
117	A=1.000	AS=1.000,	J=1.00000	I=1.0000,	1.0000 E=
.302E+10	G=.153E+10				
118	A=1.000	AS=1.000,	J=1.0000	I=1.0000,	1.0000 E=
.382E+10	G=.153E+10				
119	A=1.000	AS=1.0E+10,	J=1.0000	I=1.0000,	1.0000 E=
.382E+10	G=.153E+10				
120	A=1.000	AS=1.000,	J=1.0000	I=1.0000,	1.0000 E=
.382E+10	G=.153E+10				
121	A=29.687	AS=14.840,	J=14.264	I=1597.10	I=798.550, 798.550 E=
.374E+10	G=.150E+10				
122	A=38.785	AS=19.389,	J=19.389	I=24.75.800	I=1237.900, 1237.900 E=
.374E+10	G=.150E+10				
123	A=38.785	AS=19.389,	J=19.389	I=24.75.800	I=1237.900, 1237.900 E=
.374E+10	G=.150E+10				
124	A=47.951	AS=23.972,	J=23.972	I=3130.900	I=1565.400, 1565.400 E=
.374E+10	G=.150E+10				
125	A=47.951	AS=23.972,	J=23.972	I=3130.900	I=1565.400, 1565.400 E=
.374E+10	G=.150E+10				
126	A=1.736	AS=1.736,	J=1.736	I=.24	I=.054, .241 E=
.432E+10	G=.173E+10				
127	A=1.533	AS=1.104,	J=1.104	I=.156	I=.444, .049 E=
.432E+10	G=.173E+10				
128	A=100.000	AS=100.000,	J=100.000	I=5000.000	I=5000.000, 5000.000 E=
.600E+13	G=160E+13				
129	A=15.417	AS=12.799,	J=12.799	I=30.101	I=12.214, 32.118 E=
.432E+10	G=.173E+10				
130	A=15.417	AS=12.799,	J=12.799	I=30.101	I=12.214, 32.118 E=
.432E+10	G=.173E+10				
131	A=2.396	AS=1.986,	J=1.986	I=.557	I=.183, 1.248 E=
.432E+10	G=.173E+10				
132	A=10.833	AS=8.993,	J=8.993	I=14.439	I=5.642, 16.9 E=
.432E+10	G=.173E+10				
133	A=10.833	AS=8.993,	J=8.993	I=14.439	I=5.642, 16.952 E=
.432E+10	G=.173E+10				
134	A=4.375	AS=3.632,	J=3.632	I=2.536	I=1.117, 2.279 E=
.432E+10	G=.173E+10				
135	A=4.222	AS=3.507,	J=3.507	I=2.334	I=1.003, 2.199 E=
.432E+10	G=.173E+10				

136	A=	9.090	AS=	4.542,	4.542	J=	27.832	I=	13.916,	13.916	E=
	.432E+10	G=	.173E+10								
137	A=	10.924	AS=	5.458,	5.458	J=	38.646	I=	19.323,	19.323	E=
	.432E+10	G=	.173E+10								
138	A=	10.924	AS=	2.528,	3.507	J=	38.646	I=	.293,	.618	E=
	.432E+10	G=	.173E+10								
139	A=	.321	AS=	.001,	.001	J=	.0001	I=	.0001,	.0001	E=
	.432E+10	G=	.173E+10								
140	A=	.527	AS=	.000,	4.991	J=	80.739	I=	.620,	8.092	E=
	.389E+10	G=	.154E+10								
141	A=	17.715	AS=	8.854,	8.854	J=	160.630	I=	80.319,	80.319	E=
	.418E+10	G=	.167E+10								
142	A=	16.611	AS=	8.306,	8.306	J=	151.150	I=	75.577,	75.577	E=
	.374E+10	G=	.150E+10								
143	A=	4.340	AS=	2.174,	2.174	J=	29.787	I=	14.893,	14.893	E=
	.374E+10	G=	.150E+10								
144	A=	3.757	AS=	1.875,	1.875	J=	18.978	I=	9.489,	9.489	E=
	.374E+10	G=	.150E+10								
145	A=	19.167	AS=	9.583,	9.583	J=	68.190	I=	26.645,	34.105	E=
	.374E+10	G=	.150E+10								
146	A=	42.167	AS=	21.083,	21.083	J=	1163.500	I=	581.780,	581.780	E=
	.374E+10	G=	.150E+10								
147	A=	41.590	AS=	20.799,	20.799	J=	7063.500	I=	1031.700,	1031.700	E=
	.374E+10	G=	.150E+10								
148	A=	185.220	AS=	151.450,	151.450	J=	9636.000	I=	2818.000,	2818.000	E=
	.374E+10	G=	.150E+10								
149	A=	21.194	AS=	10.597,	10.597	J=	1390.500	I=	695.250,	695.250	E=
	.374E+10	G=	.150E+10								
150	A=	21.194	AS=	10.597,	10.597	J=	1390.500	I=	695.250,	695.250	E=
	.389E+10	G=	.156E+10								
151	A=	33.618	AS=	16.812,	16.812	J=	2424.400	I=	1212.200,	1212.200	E=
	.374E+10	G=	.150E+10								
152	A=	37.278	AS=	18.639,	18.639	J=	3299.900	I=	1649.900,	1649.900	E=
	.374E+10	G=	.150E+10								
153	A=	29.687	AS=	14.840,	14.840	J=	1597.100	I=	798.550,	798.550	E=
	.374E+10	G=	.150E+10								
154	A=	29.826	AS=	14.910,	14.910	J=	2028.500	I=	1464.200,	1464.200	E=
	.389E+10	G=	.156E+10								
155	A=	29.826	AS=	14.910,	14.910	J=	2028.500	I=	1464.200,	1464.200	E=
	.374E+10	G=	.150E+10								
156	A=	1.060	AS=	.694,	.694	J=	.0001	I=	.0001,	.0001	E=
	.432E+10	G=	.173E+10								
157	A=	.224	AS=	.694,	.694	J=	.487	I=	.482,	.482	E=
	.432E+10	G=	.173E+10								
158	A=	.694	AS=	.374,	.374	J=	.482	I=	.012,	.012	E=
	.432E+10	G=	.173E+10								
159	A=	30.521	AS=	15.264,	15.264	J=	3006.400	I=	1503.200,	1503.200	E=
	.374E+10	G=	.150E+10								
160	A=	12.414	AS=	6.576,	2.562	J=	62.563	I=	.352,	.719	E=
	.432E+10	G=	.173E+10								
161	A=	12.417	AS=	6.208,	6.208	J=	62.563	I=	3.281,	31.281	E=
	.432E+10	G=	.173E+10								
162	A=	8.181	AS=	4.090,	4.090	J=	35.667	I=	17.834,	17.834	E=
	.432E+10	G=	.173E+10								
163	A=	4.393	AS=	2.197,	2.197	J=	16.526	I=	8.263,	8.263	E=
	.432E+10	G=	.173E+10								
164	A=	3.474	AS=	1.737,	1.737	J=	12.561	I=	6.281,	6.281	E=

117	117	M=19, 19, 1	LP= 0, 130
118	118	M=19, 19, 1	LP= 0, 130
119	119	M=17, 17, 1	LP= 0, 131
120	120	M=19, 19, 1	LP= 0, 131
121	121	M=19, 19, 1	LP= 0, 131
122	122	M=19, 19, 1	LP= 0, 132
123	123	M=18, 18, 1	LP= 0, 132
124	124	M=19, 19, 1	LP= 0, 132
125	125	M=19, 19, 1	LP= 0, 132
126	126	M=14, 14, 1	LP= 0, 128
201	201	M=21, 21, 1	LP= 0, 206
202	202	M=23, 23, 1	LP= 0, 206
203	203	M=22, 22, 1	LP= 0, 207
204	204	M=23, 23, 1	LP= 0, 207
301	301	M=31, 31, 1	LP= 0, 306
302	302	M=33, 33, 1	LP= 0, 306
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 1480 2285 2261 M=171, 171, 1 LP=0, 2264
 1481 2286 2262 M=171, 171, 1 LP=0, 2313
 1482 2309 2325 M=172, 172, 1 LP=0, 2313
 1483 2307 2321 M=172, 172, 1 LP=0, 2314
 1484 2311 2326 M=172, 172, 1 LP=0, 2314
 1485 2306 2322 M=172, 172, 1 LP=0, 2314
 1501 2 102 M=10, 10, 1 LP=0, 101

1502	33	105	M=10,10,1	LP=0, 104
1503	5	108	M=10,10,1	LP=0, 107
1504	8	133	M=10,10,1	LP=0, 110
1505	11	111	M=10,10,1	LP=0, 110
1506	14	114	M=10,10,1	LP=0, 113
1507	17	117	M=10,10,1	LP=0, 116
1508	20	120	M=10,10,1	LP=0, 119
1509	23	123	M=10,10,1	LP=0, 119
1510	2	202	M=10,10,1	LP=0, 201
1511	5	204	M=10,10,1	LP=0, 201
1512	102	302	M=10,10,1	LP=0, 301
1513	105	308	M=10,10,1	LP=0, 301
1514	108	304	M=10,10,1	LP=0, 301
1515	202	702	M=10,10,1	LP=0, 201
1516	204	705	M=10,10,1	LP=0, 201
1517	302	902	M=10,10,1	LP=0, 801
1518	304	905	M=10,10,1	LP=0, 804
1519	702	902	M=10,10,1	LP=0, 901
1520	705	905	M=10,10,1	LP=0, 904
1521	708	921	M=10,10,1	LP=0, 907
1522	711	908	M=10,10,1	LP=0, 910
1523	714	911	M=10,10,1	LP=0, 910
1524	717	914	M=10,10,1	LP=0, 913
1525	802	1002	M=10,10,1	LP=0, 1001
1526	805	1005	M=10,10,1	LP=0, 1004
1527	808	1021	M=10,10,1	LP=0, 1007
1528	811	1008	M=10,10,1	LP=0, 1007
1529	814	1011	M=10,10,1	LP=0, 1010
1530	817	1014	M=10,10,1	LP=0, 1010
1531	902	1002	M=10,10,1	LP=0, 1001
1532	905	1005	M=10,10,1	LP=0, 1004
1533	921	1021	M=10,10,1	LP=0, 1007
1534	908	1008	M=10,10,1	LP=0, 1007
1535	911	1011	M=10,10,1	LP=0, 1010
1536	914	1014	M=10,10,1	LP=0, 1013

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SELECT
NT=3 ID=1,2616 SM=1
NT=3 IP=25,32 SM=0
NT=3 ID=34,42 SM=0
NT=3 ID=125,132 SM=0
NT=3 ID=134,142 1 SM=0
NT=3 ID=206,207 SM=0
NT=3 ID=209,210 1 SM=0
NT=3 ID=306,307 SM=0
NT=3 ID=309,311 1 SM=0
NT=3 ID=402 SM=0
NT=3 ID=530,539 SM=0
NT=3 ID=645,687 SM=0
NT=3 ID=722,729 SM=0
NT=3 ID=730,736 SM=0
NT=3 ID=822,829 SM=0
NT=3 ID=830,836 SM=0
NT=3 ID=916,920 SM=0
NT=3 ID=922,927 SM=0
NT=3 ID=1016,1020 SM=0
NT=3 ID=1022,1027 SM=0
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NT=3	ID=2259,2260	SW=0
NT=3	ID=2267,2290	SW=0
NT=3	ID=2327,2334	SW=0
NT=3	ID=2339	SW=0
NT=3	ID=2344	SW=0
NT=3	ID=2369	SW=0
NT=3	ID=2374	SW=0
NT=3	ID=2385	SW=0
NT=3	ID=2386,2388	SW=0
NT=3	ID=2407,2416	SW=0
NT=3	ID=1	SW=0
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NT=3	ID=201	SW=0
NT=3	ID=301	SW=0
NT=3	ID=501	SW=0
NT=3	ID=701	SW=0
NT=3	ID=801	SW=0
NT=3	ID=901	SW=0
NT=3	ID=1001	SW=0
NT=5	ID=1,1536	SW=0
NT=6	ID=1,60	SW=0

CE SYSTEM 80 + HORIZONTAL MODEL

SYSTEM DATA

EXECUTION CODE - - - - - 0
NUMBER OF LOAD CONDITIONS - - - - - 1
STEADY STATE LOAD FREQUENCY - - - - - .0000E+00
NUMBER OF EIGENVALUES - - - - - 40
EIGEN CONVERGENCE TOLERANCE - - - - - .1000E-03
EIGEN CUTOFF TIME PERIOD - - - - - .0000E+00

DESIGN VERIFICATION	
CLIENT	ABB CE
JOB NO.	8683 00013
CALC/PROB NO.	STR-01
BY: <i>SM</i>	DATE 9/2/92
CHKD: <i>SD</i>	DATE 9/4/92

CE SYSTEM 80 + HORIZONTAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
1	-171.800	67.300	50.000
2	-171.800	67.300	68.500
3	-140.518	84.316	69.527
4	-168.490	70.730	68.500
5	-168.490	70.730	90.250
6	-145.324	74.308	90.000
7	-162.070	70.930	90.250
8	-162.070	70.930	101.000
9	-159.121	60.210	103.688
10	-161.190	71.240	101.000
11	-161.190	72.240	114.000
12	-140.621	73.851	115.518
13	-166.040	62.160	114.000
14	-166.040	62.160	129.000
15	-149.677	68.133	129.128
16	-168.720	74.270	129.000
17	-168.720	74.270	144.500
18	-139.615	78.777	145.386
19	-161.320	96.530	144.500
20	-161.320	96.530	168.500
21	-132.682	80.203	169.092
22	-165.490	92.190	168.500
23	-165.490	92.190	189.500
24	-144.299	80.625	188.196
25	-171.800	77.300	68.500
26	-168.490	80.730	90.250
27	-162.070	80.930	101.000
28	-161.190	82.240	114.000
29	-166.040	72.160	129.000
30	-168.720	84.270	144.500
31	-161.320	106.530	168.500
32	-165.490	102.190	189.500
33	-168.490	70.730	79.500
34	-140.518	84.316	79.527
35	-145.324	74.308	100.000
36	-159.121	60.210	113.688
37	-140.621	73.851	125.518
38	-149.677	68.133	139.128
39	-139.615	78.777	155.386
40	-132.682	80.203	179.092
41	-144.299	80.625	198.196
42	-168.490	70.730	89.500
101	-193.490	-74.540	50.000
102	-193.490	-74.540	68.500
103	-159.810	-79.010	68.067
104	-195.480	-82.480	68.500
105	-195.480	-82.480	79.500
106	-187.132	-66.738	80.545
107	-190.290	-72.010	79.500
108	-190.290	-72.010	90.250
109	-156.043	-80.364	92.029
110	-178.490	-92.290	90.250

CE SYSTEM 80 + HORIZONTAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
111	-178.490	-92.290	114.000
112	-152.395	-79.224	113.762
113	-172.350	-70.930	114.000
114	-172.350	-70.930	129.000
115	-153.921	-71.154	129.474
116	-183.510	-86.160	129.000
117	-183.510	-86.160	144.500
118	-154.702	-69.301	145.913
119	-209.610	-84.860	144.500
120	-209.610	-84.860	168.500
121	-169.388	-66.999	168.613
122	-204.280	-79.050	168.500
123	-204.280	-79.050	189.500
124	-168.016	-67.437	188.465
125	-193.490	-64.540	68.500
126	-195.480	-72.480	79.500
127	-190.290	-62.010	90.250
128	-178.490	-82.290	114.000
129	-172.350	-60.930	129.000
130	-183.510	-76.160	144.500
131	-209.610	-74.860	168.500
132	-204.280	-69.050	189.500
133	-178.490	-92.290	101.000
134	-159.810	-79.010	78.067
135	-187.132	-66.738	90.645
136	-156.043	-80.364	102.029
137	-152.395	-79.224	123.762
138	-153.921	-71.154	139.474
139	-154.702	-69.301	155.913
140	-169.388	-66.999	178.613
141	-168.016	-67.437	198.465
142	-178.490	-92.290	111.000
201	-60.000	147.630	50.000
202	-60.000	147.630	68.500
203	-60.000	145.758	70.043
204	-60.000	147.630	90.250
205	-67.169	143.491	91.696
206	-60.000	157.630	68.500
207	-60.000	157.630	90.250
209	-60.000	145.758	80.043
210	-67.169	143.491	101.696
301	-60.000	-147.630	50.000
302	-60.000	-147.630	68.500
303	-60.000	-145.758	70.043
304	-60.000	-147.630	90.250
305	-67.169	-143.491	91.696
306	-60.000	-137.630	68.500
307	-60.000	-137.630	90.250
308	-60.000	-147.630	79.500
309	-60.000	-145.758	30.043
310	-67.169	-143.491	101.696
311	-60.000	-147.630	89.500

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
400	.000	.000	174.700
401	.000	.000	91.750
402	.000	10.000	91.750
501	1.760	.017	50.000
502	1.760	.017	68.500
503	-.632	-.021	70.193
504	1.370	-.640	68.500
505	1.370	-.640	90.250
506	-.520	-.015	88.089
507	.570	-.120	90.250
508	.570	-.120	104.500
509	-5.867	.286	104.510
510	-5.390	.910	104.500
511	-5.390	.910	114.000
512	-2.118	.395	114.133
513	-8.050	1.210	114.000
514	-8.050	1.210	120.000
515	-7.738	2.033	126.730
516	-9.550	1.740	120.000
517	-9.550	1.740	144.500
518	-1.169	1.029	143.586
519	9.130	2.580	144.500
520	9.130	2.580	164.330
521	-.290	5.816	165.700
522	3.280	5.400	164.330
523	3.280	5.400	178.000
524	-1.690	2.910	178.000
525	-1.690	2.910	191.330
526	-1.674	1.243	189.429
527	.000	.000	191.330
528	.000	.000	210.000
529	2.959	2.959	208.122
530	1.760	10.017	68.500
531	1.370	9.360	90.250
532	.570	9.880	104.500
533	-5.390	10.910	114.000
534	-8.050	11.210	120.000
535	-9.550	11.740	144.500
536	9.130	12.580	164.330
537	3.280	15.400	178.000
538	-1.690	12.910	191.330
539	.000	10.000	210.000
540	1.370	-.640	79.500
541	.570	-.120	101.000
542	1.370	-.640	84.208
543	.570	-.120	102.106
544	.570	-.120	103.828
545	9.130	2.580	148.663
546	9.130	2.580	159.402
632	.000	.000	115.500
633	.000	.000	129.000
634	.000	.000	144.500

CE SYSTEM 80 + HORIZONTAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
635	.000	.000	157.000
636	.000	.000	175.490
637	.000	.000	193.430
638	.000	.000	210.250
639	.000	.000	225.460
640	.000	.000	238.580
641	.000	.000	249.230
642	.000	.000	257.080
643	.000	.000	261.880
644	.000	.000	263.500
645	.000	10.000	.000
646	.000	10.000	.000
647	.000	10.000	.000
648	.000	10.000	.000
649	.000	10.000	.000
650	.000	10.000	.000
651	.000	10.000	.000
652	.000	10.000	.000
653	.000	10.000	.000
654	.000	10.000	.000
655	.000	10.000	.000
656	.000	10.000	.000
657	.000	10.000	.000
658	.000	10.000	.000
659	.000	10.000	.000
660	.000	10.000	.000
661	.000	10.000	.000
662	.000	10.000	.000
663	.000	10.000	.000
664	.000	10.000	.000
665	.000	10.000	.000
666	.000	10.000	.000
667	.000	10.000	.000
668	.000	10.000	.000
669	.000	10.000	.000
670	.000	10.000	.000
671	.000	10.000	.000
672	.000	10.000	.000
673	.000	10.000	.000
674	.000	10.000	.000
675	.000	10.000	.000
676	.000	10.000	129.000
677	.000	10.000	144.500
678	.000	10.000	157.000
679	.000	10.000	175.490
680	.000	10.000	193.430
681	.000	10.000	210.250
682	.000	10.000	225.460
683	.000	10.000	238.580
684	.000	10.000	249.230
685	.000	10.000	257.080
686	.000	10.000	261.880

CE SYSTEM 80 + HORIZONTAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
687	.000	10.000	263.500
688	.000	.000	154.500
689	.000	.000	168.500
690	.000	.000	189.500
701	29.100	144.740	50.000
702	29.100	144.740	68.500
703	28.971	144.076	69.773
704	30.000	147.390	68.500
705	30.000	147.390	90.250
706	30.000	142.190	87.655
707	30.000	147.170	90.250
708	30.000	147.170	104.500
709	17.397	143.321	104.399
710	15.750	147.040	104.500
711	15.750	147.040	114.000
712	18.410	143.961	115.310
713	15.130	147.350	114.000
714	15.130	147.350	129.000
715	21.319	137.316	131.561
716	25.150	156.570	129.000
717	25.150	156.570	144.500
718	23.458	140.409	144.995
719	24.480	140.790	144.500
720	24.480	140.790	154.500
721	22.488	132.054	154.255
722	29.100	154.740	68.500
723	30.000	157.390	90.250
724	30.000	157.170	104.500
725	15.750	157.040	114.000
726	15.130	157.350	129.000
727	25.150	166.570	144.500
728	24.480	150.790	154.500
729	20.000	147.170	90.250
730	28.971	144.076	79.773
731	30.000	142.190	97.655
732	17.397	143.321	114.399
733	18.410	143.961	125.310
734	21.319	137.316	141.561
735	23.458	140.409	154.995
736	22.488	132.054	164.255
801	29.100	-144.740	50.000
802	29.100	-144.740	68.500
803	28.971	-144.076	69.773
804	30.000	-147.390	68.500
805	30.000	-147.390	90.250
806	30.000	-142.190	87.655
807	30.000	-147.170	90.250
808	30.000	-147.170	104.500
809	17.397	-143.321	104.399
810	15.750	-147.040	104.500
811	15.750	-147.040	114.000
812	18.410	-143.961	115.310

CE SYSTEM 80 + HORIZONTAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
813	15.130	-147.350	114.000
814	15.130	-147.350	129.000
815	21.319	-137.316	131.561
816	25.150	-156.570	129.000
817	25.150	-156.570	144.500
818	23.458	-140.409	144.995
819	24.480	-140.790	144.500
820	24.480	-140.790	154.500
821	22.488	-132.054	154.255
822	29.100	-134.740	68.500
823	30.000	-137.390	90.250
824	30.000	-137.170	104.500
825	15.750	-137.040	114.000
826	15.130	-137.350	129.000
827	25.150	-146.570	144.500
828	24.480	-130.790	154.500
829	20.000	-147.170	90.250
830	28.971	-144.076	79.773
831	30.000	-142.190	97.655
832	17.397	-143.321	114.399
833	18.410	-143.961	125.310
834	21.319	-137.316	141.561
835	23.458	-140.409	154.995
836	22.488	-132.054	164.255
901	139.550	117.840	50.000
902	139.550	117.840	68.500
903	120.103	94.890	69.574
904	138.320	118.870	68.500
905	138.320	118.870	90.250
906	120.046	94.829	91.111
907	151.980	120.100	90.250
908	151.980	120.100	114.000
909	122.450	85.417	112.028
910	144.810	102.760	114.000
911	144.810	102.760	129.000
912	136.263	73.647	129.595
913	164.910	101.570	129.000
914	164.910	101.570	144.500
915	146.874	82.335	147.955
916	139.550	127.840	68.500
917	138.320	128.870	90.250
918	151.980	130.100	114.000
919	144.810	112.760	129.000
920	164.910	111.570	144.500
921	151.980	120.100	104.500
922	120.103	94.890	79.574
923	120.046	94.829	101.111
924	122.450	85.417	122.028
925	136.263	73.647	139.595
926	146.874	82.335	157.955
927	151.980	120.100	114.500
1001	139.550	-117.840	50.000

CE SYSTEM 80 + HORIZONTAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
1002	139.550	-117.840	68.500
1003	120.186	-94.890	69.582
1004	138.320	-118.870	68.500
1005	138.320	-118.870	90.250
1006	120.541	-94.287	91.035
1007	151.980	-120.100	90.250
1008	151.980	-120.100	114.000
1009	120.514	-89.418	113.010
1010	153.980	-122.120	114.000
1011	153.980	-122.120	129.000
1012	130.874	-84.307	129.420
1013	164.910	-101.570	129.000
1014	164.910	-101.570	144.500
1015	146.944	-82.491	147.917
1016	139.550	-107.840	68.500
1017	138.320	-108.870	90.250
1018	151.980	-110.100	114.000
1019	153.980	-112.120	129.000
1020	164.910	-91.570	144.500
1021	151.980	-120.100	104.500
1022	120.186	-94.890	79.582
1023	120.541	-94.287	101.035
1024	120.514	-89.418	123.010
1025	130.874	-84.307	139.420
1026	146.944	-82.491	157.917
1027	151.980	-120.100	114.500
2221	-8.923	-5.152	84.708
2222	-7.588	-4.381	84.708
2223	-6.117	-3.532	84.708
2224	-8.923	5.152	84.208
2225	8.923	5.152	84.208
2226	-8.923	-5.152	84.208
2227	8.923	-5.152	84.208
2228	6.117	-3.532	84.708
2229	7.587	-4.381	84.708
2230	8.923	-5.152	84.708
2231	-8.923	5.152	84.708
2232	-7.588	4.381	84.708
2233	-6.117	3.532	84.708
2234	.000	.000	84.708
2235	-8.923	5.152	85.041
2236	8.923	5.152	85.041
2237	-8.923	-5.152	85.041
2238	8.923	-5.152	85.041
2239	.000	.000	86.677
2240	-8.923	5.152	103.036
2241	8.923	5.152	103.036
2242	-8.923	-5.152	103.036
2243	8.923	-5.152	103.036
2244	6.117	3.532	84.708
2245	-8.923	5.152	103.828
2246	8.923	5.152	103.828

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
2247	-8.923	-5.152	103.828
2248	8.923	-5.152	103.828
2249	7.588	4.381	84.708
2250	-10.006	3.275	103.828
2251	10.006	3.275	103.828
2252	-10.006	-3.275	103.828
2253	10.006	-3.275	103.828
2254	8.923	5.152	84.708
2255	-9.548	4.069	103.828
2256	9.548	4.069	103.828
2257	-9.548	-4.069	103.828
2258	9.548	-4.069	103.828
2259	.000	.000	.000
2260	.000	.000	.000
2261	.000	32.333	102.106
2262	.000	-32.333	102.106
2263	.000	32.333	102.622
2264	.000	-32.333	102.622
2265	.000	32.333	102.747
2266	.000	-32.333	102.747
2267	.000	32.333	102.830
2268	.000	-32.333	102.830
2269	.000	32.333	103.163
2270	.000	-32.333	103.163
2271	.000	32.333	104.125
2272	.000	-32.333	104.125
2273	.000	32.333	105.080
2274	.000	-32.333	105.080
2275	.000	32.333	106.317
2276	.000	-32.333	106.317
2277	.000	32.333	110.035
2278	.000	-32.333	110.035
2279	.000	32.333	113.755
2280	.000	-32.333	113.755
2281	-7.597	-4.386	84.708
2282	-7.597	4.386	84.708
2283	7.597	-4.386	84.708
2284	7.597	4.386	84.708
2285	.000	32.343	102.106
2286	.000	-32.343	102.106
2287	.000	.000	.000
2288	.000	.000	.000
2289	.000	.000	.000
2290	.000	.000	.000
2291	.000	32.333	116.005
2292	.000	-32.333	116.005
2293	.000	32.333	129.080
2294	.000	-32.333	129.080
2295	.000	32.333	137.057
2296	.000	-32.333	137.057
2297	.000	32.333	140.630
2298	.000	-32.333	140.630

CE SYSTEM 80 + HORIZONTAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
2299	.000	32.333	144.203
2300	.000	-32.333	144.203
2301	.000	32.333	148.663
2302	.000	-32.333	148.663
2303	.000	34.167	148.663
2304	.000	-34.167	148.663
2305	.000	40.500	148.663
2306	.000	-40.500	148.663
2307	.010	43.208	159.402
2308	.010	-43.208	159.402
2309	.010	21.458	159.402
2310	.010	-21.458	159.402
2311	.000	32.333	153.997
2312	.000	-32.333	153.997
2313	.000	32.333	159.402
2314	.000	-32.333	159.402
2315	.000	42.010	159.402
2316	.000	-42.010	159.402
2317	.000	22.656	159.402
2318	.000	-22.656	159.402
2319	.000	42.532	159.402
2320	.000	-42.532	159.402
2321	.000	43.208	159.402
2322	.000	-43.208	159.402
2323	.000	22.135	159.402
2324	.000	-22.135	159.402
2325	.000	21.458	159.402
2326	.000	-21.458	159.402
2327	5.000	.000	37.000
2328	5.000	.000	-8.000
2329	216.000	.000	40.000
2330	216.000	.000	-8.000
2331	-133.475	90.030	40.000
2332	-133.475	90.030	110.000
2333	59.007	149.797	40.000
2334	59.007	149.797	110.000
2335	-8.923	5.152	104.120
2336	8.923	5.152	104.120
2337	-8.923	-5.152	104.120
2338	8.923	-5.152	104.120
2339	161.000	.000	40.000
2340	-8.923	5.152	104.250
2341	8.923	5.152	104.250
2342	-8.923	-5.152	104.250
2343	8.923	-5.152	104.250
2344	161.000	.000	110.000
2345	-8.785	5.072	105.340
2346	8.785	5.072	105.340
2347	-8.785	-5.072	105.340
2348	8.785	-5.072	105.340
2349	-8.785	5.072	105.500
2350	-8.785	5.072	107.250

CE SYSTEM 80 + HORIZONTAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
2351	8.785	5.072	107.250
2352	-8.785	-5.072	107.250
2353	8.785	-5.072	107.250
2354	8.785	5.072	105.500
2355	-8.785	-5.072	105.500
2356	8.785	-5.072	105.500
2357	.000	.000	95.167
2358	.000	.000	101.305
2359	.000	.000	107.250
2360	.000	.000	119.250
2361	-8.428	4.866	107.250
2362	8.428	4.866	107.250
2363	-8.428	-4.866	107.250
2364	8.428	-4.866	107.250
2365	-7.757	4.479	107.250
2366	7.757	4.479	107.250
2367	-7.757	-4.479	107.250
2368	7.757	-4.479	107.250
2369	49.752	-153.120	40.000
2370	-7.472	4.270	107.250
2371	7.472	4.270	107.250
2372	-7.472	-4.270	107.250
2373	7.472	-4.270	107.250
2374	49.752	-153.120	110.000
2375	.000	26.178	109.480
2376	.000	-26.178	109.480
2377	.000	25.793	109.136
2378	.000	-25.793	109.136
2379	.000	25.274	108.770
2380	.000	-25.274	108.770
2381	.000	24.977	108.560
2382	.000	-24.977	108.560
2383	.000	24.466	108.199
2384	.000	-24.466	108.199
2385	.000	.000	40.000
2386	.000	.000	.000
2387	.000	.000	.000
2388	.000	.000	.000
2389	.000	23.776	107.791
2390	.000	-23.776	107.791
2391	.000	23.033	107.493
2392	.000	-23.033	107.493
2393	.000	22.253	107.311
2394	.000	-22.253	107.311
2395	.000	21.454	107.250
2396	.000	-21.454	107.250
2397	.000	10.542	107.250
2398	.000	-10.542	107.250
2399	.000	9.970	107.250
2400	.000	-9.970	107.250
2401	.000	9.508	107.250
2402	.000	-9.508	107.250

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
2403	.000	8.958	107.250
2404	.000	-8.958	107.250
2405	.000	8.540	107.250
2406	.000	-8.540	107.250
2407	.000	.000	.000
2408	.000	.000	.000
2409	10.000	.000	148.663
2410	10.000	.000	159.402
2411	10.000	.000	159.402
2412	10.000	.000	107.250
2413	.000	.000	.000
2414	.000	.000	.000
2415	.000	.000	.000
2416	.000	.000	.100

CE SYSTEM 80 + HORIZONTAL MODEL

RESTRAINT DATA

JOINT	RX	RY	RZ	RXX	RYY	RZZ
1	1	1	1	1	1	1
25	1	1	1	1	1	1
26	1	1	1	1	1	1
27	1	1	1	1	1	1
28	1	1	1	1	1	1
29	1	1	1	1	1	1
30	1	1	1	1	1	1
31	1	1	1	1	1	1
32	1	1	1	1	1	1
34	1	1	1	1	1	1
35	1	1	1	1	1	1
36	1	1	1	1	1	1
37	1	1	1	1	1	1
38	1	1	1	1	1	1
39	1	1	1	1	1	1
40	1	1	1	1	1	1
41	1	1	1	1	1	1
42	1	1	1	1	1	1
101	1	1	1	1	1	1
105	1	1	1	1	1	1
106	1	1	1	1	1	1
107	1	1	1	1	1	1
128	1	1	1	1	1	1
129	1	1	1	1	1	1
130	1	1	1	1	1	1
131	1	1	1	1	1	1
132	1	1	1	1	1	1
134	1	1	1	1	1	1
135	1	1	1	1	1	1
136	1	1	1	1	1	1
137	1	1	1	1	1	1
138	1	1	1	1	1	1
139	1	1	1	1	1	1
140	1	1	1	1	1	1
141	1	1	1	1	1	1
142	1	1	1	1	1	1
201	1	1	1	1	1	1
206	1	1	1	1	1	1
207	1	1	1	1	1	1
209	1	1	1	1	1	1
210	1	1	1	1	1	1
301	1	1	1	1	1	1
306	1	1	1	1	1	1
307	1	1	1	1	1	1
309	1	1	1	1	1	1
310	1	1	1	1	1	1
311	1	1	1	1	1	1
402	1	1	1	1	1	1
501	1	1	1	1	1	1
530	1	1	1	1	1	1
531	1	1	1	1	1	1
532	1	1	1	1	1	1

CE SYSTEM 80 + HORIZONTAL MODEL

● RESTRAINT DATA

JOINT	RX	RY	RZ	RXX	RYY	RZZ
533	1	1	1	1	1	1
534	1	1	1	1	1	1
535	1	1	1	1	1	1
536	1	1	1	1	1	1
537	1	1	1	1	1	1
538	1	1	1	1	1	1
539	1	1	1	1	1	1
645	1	1	1	1	1	1
646	1	1	1	1	1	1
647	1	1	1	1	1	1
648	1	1	1	1	1	1
649	1	1	1	1	1	1
650	1	1	1	1	1	1
651	1	1	1	1	1	1
652	1	1	1	1	1	1
653	1	1	1	1	1	1
654	1	1	1	1	1	1
655	1	1	1	1	1	1
656	1	1	1	1	1	1
657	1	1	1	1	1	1
658	1	1	1	1	1	1
659	1	1	1	1	1	1
660	1	1	1	1	1	1
661	1	1	1	1	1	1
662	1	1	1	1	1	1
663	1	1	1	1	1	1
664	1	1	1	1	1	1
665	1	1	1	1	1	1
666	1	1	1	1	1	1
667	1	1	1	1	1	1
668	1	1	1	1	1	1
669	1	1	1	1	1	1
670	1	1	1	1	1	1
671	1	1	1	1	1	1
672	1	1	1	1	1	1
673	1	1	1	1	1	1
674	1	1	1	1	1	1
675	1	1	1	1	1	1
676	1	1	1	1	1	1
677	1	1	1	1	1	1
678	1	1	1	1	1	1
679	1	1	1	1	1	1
680	1	1	1	1	1	1
681	1	1	1	1	1	1
682	1	1	1	1	1	1
683	1	1	1	1	1	1
684	1	1	1	1	1	1
685	1	1	1	1	1	1
686	1	1	1	1	1	1
687	1	1	1	1	1	1
701	1	1	1	1	1	1
722	1	1	1	1	1	1

CE SYSTEM 80 + HORIZONTAL MODEL

RESTRAINT DATA

JOINT	RX	RY	RZ	RXX	RYY	RZZ
723	1	1	1	1	1	1
724	1	1	1	1	1	1
725	1	1	1	1	1	1
726	1	1	1	1	1	1
727	1	1	1	1	1	1
728	1	1	1	1	1	1
729	1	1	1	1	1	1
730	1	1	1	1	1	1
731	1	1	1	1	1	1
732	1	1	1	1	1	1
733	1	1	1	1	1	1
734	1	1	1	1	1	1
735	1	1	1	1	1	1
736	1	1	1	1	1	1
801	1	1	1	1	1	1
822	1	1	1	1	1	1
823	1	1	1	1	1	1
824	1	1	1	1	1	1
825	1	1	1	1	1	1
826	1	1	1	1	1	1
827	1	1	1	1	1	1
828	1	1	1	1	1	1
829	1	1	1	1	1	1
830	1	1	1	1	1	1
831	1	1	1	1	1	1
832	1	1	1	1	1	1
833	1	1	1	1	1	1
834	1	1	1	1	1	1
835	1	1	1	1	1	1
836	1	1	1	1	1	1
901	1	1	1	1	1	1
916	1	1	1	1	1	1
917	1	1	1	1	1	1
918	1	1	1	1	1	1
919	1	1	1	1	1	1
920	1	1	1	1	1	1
922	1	1	1	1	1	1
923	1	1	1	1	1	1
924	1	1	1	1	1	1
925	1	1	1	1	1	1
926	1	1	1	1	1	1
927	1	1	1	1	1	1
1001	1	1	1	1	1	1
1016	1	1	1	1	1	1
1017	1	1	1	1	1	1
1018	1	1	1	1	1	1
1019	1	1	1	1	1	1
1020	1	1	1	1	1	1
1022	1	1	1	1	1	1
1023	1	1	1	1	1	1
1024	1	1	1	1	1	1
1025	1	1	1	1	1	1

CE SYSTEM 80 + HORIZONTAL MODEL

RESTRAINT DATA

JOINT	RX	RY	RZ	RXX	RYY	RZZ
1026	1	1	1	1	1	1
1027	1	1	1	1	1	1
2259	1	1	1	1	1	1
2260	1	1	1	1	1	1
2287	1	1	1	1	1	1
2288	1	1	1	1	1	1
2289	1	1	1	1	1	1
2290	1	1	1	1	1	1
2327	1	1	1	1	1	1
2328	1	1	1	1	1	1
2329	1	1	1	1	1	1
2330	1	1	1	1	1	1
2331	1	1	1	1	1	1
2332	1	1	1	1	1	1
2333	1	1	1	1	1	1
2334	1	1	1	1	1	1
2339	1	1	1	1	1	1
2344	1	1	1	1	1	1
2369	1	1	1	1	1	1
2374	1	1	1	1	1	1
2385	1	1	1	1	1	1
2386	1	1	1	1	1	1
2387	1	1	1	1	1	1
2388	1	1	1	1	1	1
2407	1	1	1	1	1	1
2408	1	1	1	1	1	1
2409	1	1	1	1	1	1
2410	1	1	1	1	1	1
2411	1	1	1	1	1	1
2412	1	1	1	1	1	1
2413	1	1	1	1	1	1
2414	1	1	1	1	1	1
2415	1	1	1	1	1	1
2416	1	1	1	1	1	1

CE SYSTEM 80 + HORIZONTAL MODEL

JOINT MASSES

JOINT	MX	MY	MZ	MRX	MRY	MRZ
3	.891E+06	.891E+06	.000E+00	.219E+10	.250E+10	.465E+10
6	.694E+06	.694E+06	.000E+00	.144E+10	.166E+10	.308E+10
9	.386E+06	.386E+06	.000E+00	.864E+09	.574E+09	.143E+10
12	.583E+06	.583E+06	.000E+00	.130E+10	.154E+10	.283E+10
15	.842E+06	.842E+06	.000E+00	.206E+10	.176E+10	.379E+10
18	.580E+06	.580E+06	.000E+00	.146E+10	.162E+10	.306E+10
21	.412E+06	.412E+06	.000E+00	.936E+09	.113E+10	.205E+10
24	.346E+06	.346E+06	.000E+00	.730E+09	.753E+09	.148E+10
103	.768E+06	.768E+06	.000E+00	.166E+10	.294E+10	.456E+10
106	.435E+06	.435E+06	.000E+00	.815E+09	.855E+09	.166E+10
109	.744E+06	.744E+06	.000E+00	.165E+10	.299E+10	.457E+10
112	.720E+06	.720E+06	.000E+00	.160E+10	.297E+10	.450E+10
115	.570E+06	.570E+06	.000E+00	.101E+10	.229E+10	.327E+10
118	.567E+06	.567E+06	.000E+00	.915E+09	.247E+10	.335E+10
121	.422E+06	.422E+06	.000E+00	.845E+09	.171E+10	.250E+10
124	.365E+06	.365E+06	.000E+00	.963E+09	.337E+10	.432E+10
203	.106E+06	.106E+06	.000E+00	.322E+08	.161E+09	.187E+09
205	.139E+06	.139E+06	.000E+00	.329E+08	.223E+09	.246E+09
303	.106E+06	.106E+06	.000E+00	.322E+08	.161E+09	.187E+09
305	.139E+06	.139E+06	.000E+00	.329E+08	.223E+09	.246E+09
503	.157E+07	.157E+07	.000E+00	.451E+10	.455E+10	.896E+10
506	.154E+07	.154E+07	.000E+00	.390E+10	.390E+10	.772E+10
509	.676E+06	.676E+06	.000E+00	.162E+10	.184E+10	.344E+10
512	.733E+06	.733E+06	.000E+00	.216E+10	.223E+10	.438E+10
515	.267E+06	.267E+06	.000E+00	.312E+09	.441E+09	.745E+09
518	.478E+06	.478E+06	.000E+00	.827E+09	.771E+09	.157E+10
521	.255E+06	.255E+06	.000E+00	.540E+09	.425E+09	.935E+09
526	.220E+06	.220E+06	.000E+00	.510E+09	.425E+09	.914E+09
529	.869E+05	.869E+05	.000E+00	.165E+09	.165E+09	.325E+09
632	.846E+05	.846E+05	.000E+00	.485E+09	.485E+09	.968E+09
633	.182E+06	.182E+06	.000E+00	.104E+10	.104E+10	.208E+10
634	.156E+06	.156E+06	.000E+00	.890E+10	.890E+10	.177E+10
635	.145E+06	.145E+06	.000E+00	.827E+09	.827E+09	.165E+10
636	.171E+06	.171E+06	.000E+00	.945E+09	.945E+09	.188E+10
637	.163E+06	.163E+06	.000E+00	.821E+09	.821E+09	.163E+10
638	.150E+06	.150E+06	.000E+00	.643E+09	.643E+09	.128E+10
639	.133E+06	.133E+06	.000E+00	.445E+09	.445E+09	.885E+09
640	.112E+06	.112E+06	.000E+00	.263E+09	.263E+09	.523E+09
641	.868E+05	.868E+05	.000E+00	.124E+09	.124E+09	.246E+09
642	.594E+05	.594E+05	.000E+00	.396E+08	.396E+08	.788E+08
643	.302E+05	.302E+05	.000E+00	.518E+07	.518E+07	.103E+08
644	.379E+04	.379E+04	.000E+00	.817E+05	.817E+05	.163E+06
703	.905E+05	.905E+05	.000E+00	.204E+08	.333E+08	.488E+08
706	.181E+06	.181E+06	.000E+00	.169E+08	.501E+08	.631E+08
709	.912E+05	.912E+05	.000E+00	.179E+08	.607E+08	.773E+08
712	.982E+05	.982E+05	.000E+00	.206E+08	.703E+08	.893E+08
715	.110E+06	.110E+06	.000E+00	.460E+08	.935E+08	.135E+09
718	.565E+05	.565E+05	.000E+00	.213E+08	.540E+08	.701E+08
721	.831E+05	.831E+05	.000E+00	.304E+08	.536E+08	.691E+08
803	.905E+05	.905E+05	.000E+00	.204E+08	.333E+08	.488E+08
806	.181E+06	.181E+06	.000E+00	.169E+08	.501E+08	.631E+08
809	.912E+05	.912E+05	.000E+00	.179E+08	.607E+08	.773E+08

CE SYSTEM 80 + HORIZONTAL MODEL

JOINT MASSES

JOINT	MX	MY	MZ	MRX	MRY	MRZ
812	.982E+05	.982E+05	.000E+00	.206E+08	.703E+08	.893E+08
815	.110E+06	.110E+06	.000E+00	.460E+08	.935E+08	.135E+09
818	.565E+05	.565E+05	.000E+00	.213E+08	.540E+08	.741E+08
821	.831E+05	.831E+05	.000E+00	.304E+08	.536E+08	.838E+08
903	.549E+06	.549E+06	.000E+00	.124E+10	.113E+10	.235E+10
906	.565E+06	.565E+06	.000E+00	.128E+10	.120E+10	.245E+10
909	.457E+06	.457E+06	.000E+00	.845E+09	.966E+09	.179E+10
912	.269E+06	.269E+06	.000E+00	.347E+09	.355E+09	.696E+09
915	.259E+06	.259E+06	.000E+00	.414E+09	.266E+09	.648E+09
1003	.550E+06	.550E+06	.000E+00	.125E+10	.113E+10	.236E+10
1006	.558E+06	.558E+06	.000E+00	.127E+10	.117E+10	.242E+10
1009	.467E+06	.467E+06	.000E+00	.936E+09	.979E+09	.190E+10
1012	.334E+06	.334E+06	.000E+00	.515E+09	.441E+09	.951E+09
1015	.260E+06	.260E+06	.000E+00	.416E+09	.267E+09	.650E+09
2293	.432E+05	.432E+05	.000E+00	.000E+00	.000E+00	.000E+00
2294	.432E+05	.432E+05	.000E+00	.000E+00	.000E+00	.000E+00
2311	.176E+05	.176E+05	.000E+00	.000E+00	.000E+00	.000E+00
2312	.176E+05	.176E+05	.000E+00	.000E+00	.000E+00	.000E+00
2357	.475E+05	.475E+05	.000E+00	.000E+00	.000E+00	.000E+00
2360	.301E+05	.301E+05	.000E+00	.000E+00	.000E+00	.000E+00
400	.233E+06	.233E+06	.000E+00	.000E+00	.000E+00	.000E+00

CE SYSTEM 80 + HORIZONTAL MODEL

FRAME CONTROL DATA

NUMBER OF MEMBER SECTION PROPERTIES 172
NUMBER OF SPAN LOADING PATTERNS 0

LOAD COND	GRAVITATIONAL MULTIPLIERS			TEMPERATURE MULTIPLIER	PROGRESS MULTIPLIERS
	X	Y	Z		
1	.000	.000	.000	.000	.000

CE SYSTEM 80 + HORIZONTAL MODEL

E C T . O N P R O P E R T Y D A T A

PROP ID	AREA	TORSIONAL INERTIA	MOMENTS OF INERTIA		SHEAR AREAS	
			I33	I22	A2	A3
1	.499E+04	.11195E+08	.10591E+08	.68717E+07	.217E+04	.279E+04
2	.481E+04	.10435E+08	.10416E+08	.66098E+07	.210E+04	.246E+04
3	.583E+04	.15248E+08	.11172E+08	.94651E+07	.333E+04	.426E+04
4	.523E+04	.14449E+08	.10843E+08	.92853E+07	.284E+04	.343E+04
5	.592E+04	.16988E+08	.13227E+08	.91350E+07	.329E+04	.405E+04
6	.670E+04	.22415E+08	.17932E+08	.93524E+07	.409E+04	.446E+04
7	.257E+04	.80057E+07	.63303E+07	.72311E+07	.103E+04	.116E+04
8	.237E+04	.73859E+07	.60301E+07	.72501E+07	.106E+04	.109E+04
9	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
10	.100E+08	.10000E+01	.10000E+01	.10000E+15	.000E+00	.000E+00
11	.565E+04	.13718E+08	.12581E+08	.14228E+08	.224E+04	.276E+04
12	.516E+04	.12600E+08	.98588E+07	.12009E+08	.247E+04	.271E+04
13	.631E+04	.15795E+08	.12380E+08	.13897E+08	.343E+04	.318E+04
14	.379E+04	.94591E+07	.96782E+07	.10871E+08	.107E+04	.185E+04
15	.423E+04	.12069E+08	.11066E+08	.12435E+08	.134E+04	.209E+04
16	.306E+04	.88276E+07	.55449E+07	.11414E+08	.101E+04	.167E+04
17	.259E+04	.62990E+07	.47686E+07	.12792E+08	.609E+03	.143E+04
18	.212E+04	.81637E+07	.45632E+07	.90021E+07	.601E+03	.111E+04
19	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
20	.100E+08	.10000E+11	.10000E+15	.10000E+15	.000E+00	.000E+00
21	.864E+03	.90237E+06	.28543E+06	.14426E+07	.165E+03	.706E+03
22	.864E+03	.88806E+06	.28544E+06	.14426E+07	.159E+03	.703E+03
23	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
24	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
25	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
26	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
27	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
28	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
29	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
30	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
31	.864E+03	.90237E+06	.28543E+06	.14426E+07	.165E+03	.706E+03
32	.864E+03	.88806E+06	.28544E+06	.14426E+07	.159E+03	.703E+03
33	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
34	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
35	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
36	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
37	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
38	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
39	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
40	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
41	.114E+05	.47586E+08	.35254E+08	.35019E+08	.511E+04	.549E+04
42	.955E+04	.59527E+08	.36834E+08	.35917E+08	.411E+04	.449E+04
43	.859E+04	.55225E+08	.34400E+08	.34653E+08	.311E+04	.360E+04
44	.971E+04	.59673E+08	.35625E+08	.37241E+08	.377E+04	.446E+04
45	.473E+04	.12296E+08	.58910E+07	.86140E+07	.242E+04	.281E+04
46	.405E+04	.11269E+08	.50820E+07	.79520E+07	.109E+04	.185E+04
47	.257E+04	.76388E+07	.57050E+07	.37720E+07	.653E+03	.122E+04
48	.195E+04	.76373E+07	.49470E+07	.40370E+07	.599E+03	.807E+03
49	.203E+04	.80575E+07	.51310E+07	.43610E+07	.653E+03	.824E+03
50	.168E+04	.75657E+07	.37829E+07	.37829E+07	.560E+03	.560E+03
51	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00

CE SYSTEM 80 + HORIZONTAL MODEL

SECTION PROPERTY DATA

PROP ID	AREA	TORSIONAL INERTIA	MOMENTS OF INERTIA		SHEAR AREAS	
			I33	I22	A2	A3
52	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
53	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
54	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
55	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
56	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
57	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
58	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
59	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
60	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
61	.269E+04	.30789E+08	.15394E+08	.15394E+08	.135E+04	.135E+04
62	.269E+04	.30789E+08	.15394E+08	.15394E+08	.135E+04	.135E+04
63	.201E+04	.22769E+08	.11385E+08	.11385E+08	.100E+04	.100E+04
64	.135E+04	.21000E+08	.11000E+08	.11000E+08	.950E+03	.950E+03
65	.950E+03	.16760E+08	.91000E+07	.91000E+07	.890E+03	.890E+03
66	.550E+03	.12374E+08	.72000E+07	.72000E+07	.700E+03	.700E+03
67	.300E+03	.79585E+07	.41370E+07	.41370E+07	.500E+03	.500E+03
68	.200E+03	.42491E+07	.19800E+07	.19800E+07	.360E+03	.360E+03
69	.100E+03	.16994E+07	.69600E+06	.69600E+06	.250E+03	.250E+03
70	.500E+02	.39030E+06	.15000E+06	.15000E+06	.300E+03	.300E+03
71	.300E+02	.14919E+05	.50000E+03	.50000E+03	.350E+03	.350E+03
72	.150E+02	.74590E+04	.50000E+02	.50000E+02	.450E+03	.450E+03
73	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
74	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
75	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
76	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
77	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
78	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
79	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
80	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
81	.798E+03	.31245E+06	.19006E+06	.29301E+06	.331E+03	.473E+03
82	.648E+03	.28422E+06	.18294E+06	.25260E+06	.337E+03	.362E+03
83	.648E+03	.29400E+06	.18226E+06	.25260E+06	.337E+03	.349E+03
84	.776E+03	.68859E+06	.21364E+06	.70974E+06	.311E+03	.503E+03
85	.776E+03	.64932E+06	.21409E+06	.71190E+06	.281E+03	.483E+03
86	.816E+03	.77588E+06	.42886E+06	.86373E+06	.444E+03	.325E+03
87	.986E+03	.78544E+06	.37333E+06	.83242E+06	.466E+03	.445E+03
88	.100E+07	.10000E+11	.10000E+10	.10000E+10	.000E+00	.000E+00
89	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
90	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
91	.798E+03	.31245E+06	.19006E+06	.29301E+06	.331E+03	.473E+03
92	.648E+03	.28422E+06	.18294E+06	.25260E+06	.337E+03	.362E+03
93	.648E+03	.29400E+06	.18226E+06	.25260E+06	.337E+03	.349E+03
94	.776E+03	.68859E+06	.21364E+06	.70974E+06	.311E+03	.503E+03
95	.776E+03	.64932E+06	.21409E+06	.71190E+06	.281E+03	.483E+03
96	.816E+03	.77588E+06	.42886E+06	.86373E+06	.444E+03	.325E+03
97	.986E+03	.78544E+06	.37333E+06	.83242E+06	.466E+03	.445E+03
98	.100E+07	.10000E+11	.10000E+10	.10000E+10	.000E+00	.000E+00
99	.100E+05	.20000E+06	.10975E+05	.10974E+05	.000E+00	.000E+00
100	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
101	.280E+04	.58285E+07	.76642E+07	.40794E+07	.142E+04	.113E+04
102	.283E+04	.60244E+07	.77678E+07	.46741E+07	.138E+04	.116E+04

CE SYSTEM 80 + HORIZONTAL MODEL

SECTION PROPERTY DATA

PROP ID	AREA	TORSIONAL INERTIA	MOMENTS OF INERTIA		SHEAR AREAS	
			I33	I22	A2	A3
103	.251E+04	.47657E+07	.61548E+07	.55814E+07	.910E+03	.120E+04
104	.215E+04	.29080E+07	.34771E+07	.43302E+07	.140E+04	.627E+03
105	.159E+04	.12141E+07	.25047E+07	.23931E+07	.794E+03	.504E+03
106	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
107	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
108	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
109	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
110	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
111	.280E+04	.58285E+07	.76642E+07	.40794E+07	.142E+04	.113E+04
112	.283E+04	.60244E+07	.77678E+07	.46741E+07	.138E+04	.116E+04
113	.251E+04	.47657E+07	.61548E+07	.55814E+07	.910E+03	.120E+04
114	.215E+04	.29080E+07	.34771E+07	.43302E+07	.140E+04	.627E+03
115	.159E+04	.12141E+07	.25047E+07	.23931E+07	.794E+03	.504E+03
116	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
117	.100E+01	.10000E+01	.10000E+01	.10000E+01	.100E+01	.100E+01
118	.100E+01	.10000E+01	.10000E+01	.10000E+01	.100E+01	.100E+01
119	.100E+01	.10000E+01	.10000E+01	.10000E+01	.100E+01	.100E+01
120	.100E+01	.10000E+01	.10000E+01	.10000E+01	.100E+01	.100E+01
121	.297E+02	.15971E+04	.79855E+03	.79855E+03	.148E+02	.148E+02
122	.388E+02	.24758E+04	.12379E+04	.12379E+04	.194E+02	.194E+02
123	.388E+02	.24758E+04	.12379E+04	.12379E+04	.194E+02	.194E+02
124	.480E+02	.31309E+04	.15654E+04	.15654E+04	.240E+02	.240E+02
125	.480E+02	.31309E+04	.15654E+04	.15654E+04	.240E+02	.240E+02
126	.174E+01	.24100E+00	.54000E-01	.24100E+00	.174E+01	.174E+01
127	.133E+01	.15600E+00	.44400E+00	.49000E-01	.110E+01	.110E+01
128	.100E+03	.50000E+04	.50000E+04	.50000E+04	.100E+03	.100E+03
129	.154E+02	.30101E+02	.12214E+02	.32118E+02	.128E+02	.128E+02
130	.154E+02	.30101E+02	.12214E+02	.32118E+02	.128E+02	.128E+02
131	.240E+01	.55700E+00	.18300E+00	.12480E+01	.199E+01	.199E+01
132	.108E+02	.14439E+02	.56420E+01	.16952E+02	.899E+01	.899E+01
133	.108E+02	.14439E+02	.56420E+01	.16952E+02	.899E+01	.899E+01
134	.438E+01	.25360E+01	.11170E+01	.22790E+01	.363E+01	.363E+01
135	.422E+01	.23340E+01	.10030E+01	.21990E+01	.351E+01	.351E+01
136	.909E+01	.27832E+02	.13916E+02	.13916E+02	.454E+01	.454E+01
137	.109E+02	.38646E+02	.19323E+02	.19323E+02	.546E+01	.546E+01
138	.109E+02	.38646E+02	.29300E+00	.61800E+00	.253E+01	.351E+01
139	.321E+00	.10000E-03	.10000E-03	.10000E-03	.100E-02	.100E-02
140	.527E+00	.80739E+02	.62000E+00	.80920E+01	.000E+00	.499E+01
141	.177E+02	.16063E+03	.80319E+02	.80319E+02	.885E+01	.885E+01
142	.166E+02	.15115E+03	.75577E+02	.75577E+02	.831E+01	.831E+01
143	.434E+01	.29787E+02	.14893E+02	.14893E+02	.217E+01	.217E+01
144	.376E+01	.18978E+02	.94890E+01	.94890E+01	.188E+01	.188E+01
145	.192E+02	.68190E+02	.26645E+02	.34105E+02	.958E+01	.958E+01
146	.422E+02	.11635E+04	.58178E+03	.58178E+03	.211E+02	.211E+02
147	.416E+02	.20635E+04	.10317E+04	.10317E+04	.208E+02	.208E+02
148	.185E+03	.56360E+04	.28180E+04	.28180E+04	.151E+03	.151E+03
149	.212E+02	.13905E+04	.69525E+03	.69525E+03	.106E+02	.106E+02
150	.212E+02	.13905E+04	.69525E+03	.69525E+03	.106E+02	.106E+02
151	.336E+02	.24244E+04	.12122E+04	.12122E+04	.168E+02	.168E+02
152	.373E+02	.32999E+04	.16499E+04	.16499E+04	.186E+02	.186E+02
153	.297E+02	.15971E+04	.79855E+03	.79855E+03	.148E+02	.148E+02

CE SYSTEM 50 + HORIZONTAL MODEL

SECTION PROPERTY DATA

PROP ID	AREA	TORSIONAL INERTIA	MOMENTS OF INERTIA		SHEAR AREAS	
			I33	I22	A2	A3
154	.298E+02	.29285E+04	.14642E+04	.14642E+04	.149E+02	.149E+02
155	.298E+02	.29285E+04	.14642E+04	.14642E+04	.149E+02	.149E+02
156	.106E+01	.10000E-03	.10000E-03	.10000E-03	.694E+00	.694E+00
157	.224E+00	.48200E+00	.48200E+00	.48200E+00	.694E+00	.694E+00
158	.694E+00	.48200E+00	.12000E-01	.12000E-01	.374E+00	.375E+00
159	.305E+02	.30064E+04	.15032E+04	.15032E+04	.153E+02	.153E+02
160	.124E+02	.62563E+02	.35200E+00	.71900E+00	.158E+01	.256E+01
161	.124E+02	.62563E+02	.31281E+02	.31281E+02	.621E+01	.621E+01
162	.818E+01	.35667E+02	.17834E+02	.17834E+02	.409E+01	.409E+01
163	.439E+01	.16526E+02	.82630E+01	.82630E+01	.220E+01	.220E+01
164	.347E+01	.12561E+02	.62810E+01	.62810E+01	.174E+01	.174E+01
165	.348E+01	.32500E+01	.16250E+01	.16250E+01	.176E+01	.176E+01
166	.485E+01	.18572E+02	.92860E+01	.92860E+01	.242E+01	.242E+01
167	.540E+01	.21181E+02	.10590E+02	.10590E+02	.270E+01	.270E+01
168	.665E+01	.27916E+02	.13958E+02	.13958E+02	.332E+01	.332E+01
169	.750E+01	.33676E+02	.16838E+02	.16838E+02	.375E+01	.375E+01
170	.100E-05	.10000E-05	.10000E-05	.10000E-05	.100E+03	.100E-05
171	.100E-05	.10000E+04	.10000E+04	.10000E+04	.100E+03	.100E+03
172	.100E+04	.10000E-11	.10000E-11	.10000E-11	.100E-05	.100E-05

CE SYSTEM 80 + HORIZONTAL MODEL

M A T E R I A L P R O P E R T Y D A T A

PROP ID	MODULUS OF ELASTICITY	SHEAR MODULUS	WEIGHT PER UNIT LEN	MASS PER UNIT LEN	THERMAL EXPANSION
1	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
2	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
3	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
4	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
5	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
6	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
7	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
8	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
9	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
10	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
11	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
12	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
13	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
14	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
15	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
16	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
17	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
18	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
19	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
20	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
21	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
22	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
23	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
24	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
25	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
26	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
27	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
28	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
29	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
30	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
31	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
32	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
33	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
34	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
35	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
36	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
37	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
38	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
39	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
40	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
41	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
42	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
43	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
44	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
45	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
46	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
47	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
48	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
49	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
50	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
51	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00

CE SYSTEM 80 + HORIZONTAL MODEL

M A T E R I A L P R O P E R T Y D A T A

PROP ID	MODULUS OF ELASTICITY	SHEAR MODULUS	WEIGHT PER UNIT LEN	MASS PER UNIT LEN	THERMAL EXPANSION
52	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
53	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
54	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
55	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
56	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
57	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
58	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
59	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
60	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
61	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
62	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
63	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
64	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
65	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
66	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
67	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
68	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
69	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
70	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
71	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
72	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
73	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
74	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
75	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
76	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
77	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
78	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
79	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
80	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
81	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
82	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
83	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
84	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
85	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
86	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
87	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
88	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
89	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
90	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
91	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
92	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
93	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
94	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
95	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
96	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
97	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
98	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
99	.4320E+10	.1662E+10	.0000E+00	.0000E+00	.0000E+00
100	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
101	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
102	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00

CE SYSTEM 80 + HORIZONTAL MODEL

MATERIAL PROPERTY DATA

PROP ID	MODULUS OF ELASTICITY	SHEAR MODULUS	WEIGHT PER UNIT LEN	MASS PER UNIT LEN	THERMAL EXPANSION
103	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
104	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
105	.5867E+09	.2507E+	.0000E+00	.0000E+00	.0000E+00
106	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
107	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
108	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
109	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
110	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
111	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
112	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
113	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
114	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
115	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
116	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
117	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
118	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
119	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
120	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
121	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
122	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
123	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
124	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
125	.3740E+10	.00E+10	.0000E+00	.0000E+00	.0000E+00
126	.4320E+10	.00E+10	.0000E+00	.0000E+00	.0000E+00
127	.4320E+10	.00E+10	.0000E+00	.0000E+00	.0000E+00
128	.4000E+13	.00E+13	.0000E+00	.0000E+00	.0000E+00
129	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
130	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
131	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
132	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
133	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
134	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
135	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
136	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
137	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
138	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
139	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
140	.3890E+10	.1560E+10	.0000E+00	.0000E+00	.0000E+00
141	.4180E+10	.1570E+10	.0000E+00	.0000E+00	.0000E+00
142	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
143	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
144	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
145	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
146	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
147	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
148	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
149	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
150	.3890E+10	.1560E+10	.0000E+00	.0000E+00	.0000E+00
151	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
152	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
153	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00

CE SYSTEM 80 + HORIZONTAL MODEL

M A T E R I A L P R O P E R T Y D A T A

PRJP ID	MODULUS OF ELASTICITY	SHEAR MODULUS	WEIGHT PER UNIT LEN	MASS PER UNIT LEN	THERMAL EXPANSION
154	.3890E+10	.1560E+10	.0000E+00	.0000E+00	.0000E+00
155	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
156	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
157	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
158	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
159	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
160	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
161	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
162	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
163	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
164	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
165	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
166	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
167	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
168	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
169	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
170	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
171	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
172	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00

SYSTEM 80 + HORIZONTAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS N1 N2		PROPERTY-ID END-I END-J		VAR	REL CODES	REF TEMP	ELEMENT LENGTH
1	1	2	0	25	1	1	1	000000	.00	18.50
2	2	3	0	25	9	9	1	000000	.00	35.63
3	2	4	0	25	9	9	1	000000	.00	4.77
4	4	33	0	26	2	2	1	000000	.00	11.00
5	5	6	0	26	9	9	1	000000	.00	23.44
6	5	7	0	26	9	9	1	000000	.00	6.42
7	7	8	0	27	3	3	1	000000	.00	10.75
8	8	9	0	27	9	9	1	000000	.00	11.44
9	8	10	0	27	9	9	1	000000	.00	1.58
10	10	11	0	28	4	4	1	000000	.00	13.00
11	11	12	0	28	9	9	1	000000	.00	20.69
12	11	13	0	28	9	9	1	000000	.00	11.19
13	13	14	0	29	5	5	1	000000	.00	15.00
14	14	15	0	29	9	9	1	000000	.00	17.42
15	14	16	0	29	9	9	1	000000	.00	12.40
16	16	17	0	30	6	6	1	000000	.00	15.50
17	17	18	0	30	9	9	1	000000	.00	29.47
18	17	19	0	30	9	9	1	000000	.00	23.46
19	19	20	0	31	7	7	1	000000	.00	24.00
20	20	21	0	31	9	9	1	000000	.00	32.97
21	20	22	0	31	9	9	1	000000	.00	6.02
22	22	23	0	32	8	8	1	000000	.00	21.00
23	23	24	0	32	9	9	1	000000	.00	24.18
24	33	5	0	26	2	2	1	000000	.00	10.75
101	101	102	0	125	11	11	1	000000	.00	18.50
102	102	103	0	125	19	19	1	000000	.00	33.98
103	102	104	0	125	19	19	1	000000	.00	8.19
104	104	105	0	126	12	12	1	000000	.00	11.00
105	105	106	0	126	19	19	1	000000	.00	17.86
106	105	107	0	126	19	19	1	000000	.00	11.69
107	107	108	0	127	13	13	1	000000	.00	10.75
108	108	109	0	127	19	19	1	000000	.00	35.30
109	108	110	0	127	19	19	1	000000	.00	23.46
110	110	133	0	128	14	14	1	000000	.00	10.75
111	111	112	0	128	19	19	1	000000	.00	29.18
112	111	113	0	128	19	19	1	000000	.00	22.22
113	113	114	0	129	15	15	1	000000	.00	15.00
114	114	115	0	129	19	19	1	000000	.00	18.44
115	114	116	0	129	19	19	1	000000	.00	18.88
116	116	117	0	130	16	16	1	000000	.00	15.50
117	117	118	0	130	19	19	1	000000	.00	33.41
118	117	119	0	130	19	19	1	000000	.00	26.13
119	119	120	0	131	17	17	1	000000	.00	24.00
120	120	121	0	131	19	19	1	000000	.00	44.01
121	120	122	0	131	19	19	1	000000	.00	7.88
122	122	123	0	132	18	18	1	000000	.00	21.00
123	123	124	0	132	19	19	1	000000	.00	38.09
124	133	111	0	128	14	14	1	000000	.00	13.00
201	201	202	0	206	21	21	1	000000	.00	18.50
202	202	203	0	206	23	23	1	000000	.00	2.43
203	202	204	0	207	22	22	1	000000	.00	21.75

CE SYSTEM 80 + HORIZONTAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS N1 N2		PROPERTY-ID END-I END-J		VAR	REL CODES	REF TEMP	ELEMENT LENGTH
204	204	205	0	307	23	23	1	000000	.00	8.40
301	301	302	0	306	31	31	1	000000	.00	18.50
302	302	303	0	306	33	33	1	000000	.00	2.43
303	302	308	0	307	32	32	1	000000	.00	11.00
304	304	305	0	307	33	33	1	000000	.00	8.40
305	308	304	0	307	32	32	1	000000	.00	10.75
401	401	400	0	402	99	99	1	000000	.00	82.95
501	501	502	0	530	41	41	1	000000	.00	18.50
502	502	503	0	530	51	51	1	000000	.00	2.93
503	502	504	0	530	51	51	1	000000	.00	.76
504	504	540	0	531	42	42	1	000000	.00	1.00
505	505	506	0	531	51	51	1	000000	.00	2.94
506	505	507	0	531	51	51	1	000000	.00	.95
507	507	541	0	532	43	43	1	000000	.00	10.75
508	508	509	0	532	51	51	1	000000	.00	6.45
509	508	510	0	532	51	51	1	000000	.00	6.05
510	510	511	0	533	44	44	1	000000	.00	9.50
511	511	512	0	533	51	51	1	000000	.00	3.31
512	511	513	0	533	51	51	1	000000	.00	2.68
513	513	514	0	534	45	45	1	000000	.00	6.00
514	514	515	0	534	51	51	1	000000	.00	6.79
515	514	516	0	534	51	51	1	000000	.00	1.59
516	516	517	0	535	46	46	1	000000	.00	24.50
517	517	518	0	535	51	51	1	000000	.00	8.46
518	517	519	0	535	51	51	1	000000	.00	18.70
519	519	545	0	536	47	47	1	000000	.00	4.16
520	520	521	0	536	51	51	1	000000	.00	10.05
521	520	522	0	536	51	51	1	000000	.00	6.49
522	522	523	0	537	48	48	1	000000	.00	13.67
523	523	524	0	537	51	51	1	000000	.00	5.56
524	524	525	0	538	49	49	1	000000	.00	13.33
525	525	526	0	538	51	51	1	000000	.00	2.53
526	525	527	0	538	51	51	1	000000	.00	3.37
527	527	528	0	539	50	50	1	000000	.00	18.67
528	528	529	0	539	51	51	1	000000	.00	4.59
529	540	542	0	531	42	42	1	000000	.00	4.71
530	542	505	0	531	42	42	1	000000	.00	6.04
531	541	543	0	532	43	43	1	000000	.00	1.11
532	543	544	0	532	43	43	1	000000	.00	1.72
533	544	508	0	532	43	43	1	000000	.00	.67
534	545	546	0	536	47	47	1	000000	.00	10.74
535	546	520	0	536	47	47	1	000000	.00	4.93
601	632	633	0	645	61	61	1	000000	.00	13.50
602	633	634	0	646	62	62	1	000000	.00	15.50
603	634	688	0	647	63	63	1	000000	.00	10.00
604	635	689	0	648	64	64	1	000000	.00	11.50
605	636	690	0	649	65	65	1	000000	.00	14.01
606	637	638	0	650	66	66	1	000000	.00	16.82
607	638	639	0	651	67	67	1	000000	.00	15.21
608	639	640	0	652	68	68	1	000000	.00	13.12
609	640	641	0	653	69	69	1	000000	.00	10.65

CE SYSTEM 80 + HORIZONTAL MODEL

FRAME ELEMENT DATA

ELT ID	INT END-I	JOINT END-J	LOCAL-AXIS N1 N2		PROPERTY-ID END-I END-J		VAR	REL CODES	REF TEMP	ELEMENT LENGTH
610	641	642	0	654	70	70	1	000000	.00	7.85
611	642	643	0	655	71	71	1	000000	.00	4.80
612	643	644	0	656	72	72	1	000000	.00	1.62
613	688	635	0	647	63	63	1	000000	.00	2.50
614	689	636	0	648	64	64	1	000000	.00	6.99
615	690	637	0	649	65	65	1	000000	.00	3.93
701	701	702	0	722	81	81	1	000000	.00	18.50
702	702	703	0	722	88	88	1	000000	.00	1.44
703	702	704	0	722	88	88	1	000000	.00	2.80
704	704	705	0	723	82	82	1	000000	.00	21.75
705	705	706	0	723	88	88	1	000000	.00	5.81
706	705	707	0	729	88	88	1	000000	.00	.22
707	707	708	0	724	83	83	1	000000	.00	14.25
708	708	709	0	724	88	88	1	000000	.00	13.18
709	708	710	0	724	88	88	1	000000	.00	14.25
710	710	711	0	725	84	84	1	000000	.00	9.50
711	711	712	0	725	88	88	1	000000	.00	4.27
712	711	713	0	725	88	88	1	000000	.00	.69
713	713	714	0	726	85	85	1	000000	.00	15.00
714	714	715	0	726	88	88	1	000000	.00	12.06
715	714	716	0	726	88	88	1	000000	.00	13.62
716	716	717	0	727	86	86	1	000000	.00	15.50
717	717	718	0	727	88	88	1	000000	.00	16.26
718	717	719	0	727	88	88	1	000000	.00	15.79
719	719	720	0	728	87	87	1	000000	.00	10.00
720	720	721	0	728	88	88	1	000000	.00	8.96
801	801	802	0	822	91	91	1	000000	.00	18.50
802	802	803	0	822	98	98	1	000000	.00	1.44
803	802	904	0	822	98	98	1	000000	.00	2.80
804	804	805	0	823	92	92	1	000000	.00	21.75
805	805	806	0	823	98	98	1	000000	.00	5.81
806	805	807	0	829	98	98	1	000000	.00	.22
807	807	808	0	824	93	93	1	000000	.00	14.25
808	808	809	0	824	98	98	1	000000	.00	13.18
809	808	810	0	824	98	98	1	000000	.00	14.25
810	810	811	0	825	94	94	1	000000	.00	9.50
811	811	812	0	825	98	98	1	000000	.00	4.27
812	811	813	0	825	98	98	1	000000	.00	.69
813	813	814	0	826	95	95	1	000000	.00	15.00
814	814	815	0	826	98	98	1	000000	.00	12.06
815	814	816	0	826	98	98	1	000000	.00	13.62
816	816	817	0	827	96	96	1	000000	.00	15.50
817	817	818	0	827	98	98	1	000000	.00	16.26
818	817	819	0	827	98	98	1	000000	.00	15.79
819	819	820	0	828	97	97	1	000000	.00	10.00
820	820	821	0	828	98	98	1	000000	.00	8.96
901	901	902	0	916	101	101	1	000000	.00	18.50
902	902	903	0	916	106	106	1	000000	.00	30.10
903	902	904	0	916	106	106	1	000000	.00	1.60
904	904	905	0	917	102	102	1	000000	.00	21.75
905	905	906	0	917	106	106	1	000000	.00	30.21

CE SYSTEM 80 + HORIZONTAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS		PROPERTY-ID		REL	REF	ELEMENT
			N1	N2	END-I	END-J	VAR	TEMP	LENGTH
906	905	907	0	917	106	106	1	.00	13.72
907	907	921	0	918	103	103	1	.00	14.25
908	908	909	0	918	106	106	1	.00	45.59
909	908	910	0	918	106	106	1	.00	18.76
910	910	911	0	919	104	104	1	.00	15.00
911	911	912	0	919	106	106	1	.00	30.35
912	911	913	0	919	106	106	1	.00	20.14
913	913	914	0	920	105	105	1	.00	15.50
914	914	915	0	920	106	106	1	.00	26.59
915	921	908	0	918	103	103	1	.00	9.50
1001	1001	1002	0	1016	111	111	1	.00	18.50
1002	1002	1003	0	1016	116	116	1	.00	30.05
1003	1002	1004	0	1016	116	116	1	.00	1.60
1004	1004	1005	0	1017	112	112	1	.00	21.75
1005	1005	1006	0	1017	116	116	1	.00	30.35
1006	1005	1007	0	1017	116	116	1	.00	13.72
1007	1007	1021	0	1018	113	113	1	.00	14.25
1008	1008	1009	0	1018	116	116	1	.00	43.96
1009	1008	1010	0	1018	116	116	1	.00	2.84
1010	1010	1011	0	1019	114	114	1	.00	15.00
1011	1011	1012	0	1019	116	116	1	.00	44.32
1012	1011	1013	0	1019	116	116	1	.00	23.28
1013	1013	1014	0	1020	115	115	1	.00	15.50
1014	1014	1015	0	1020	116	116	1	.00	26.43
1015	1021	1008	0	1018	113	113	1	.00	9.50
1101	1	501	0	502	20	20	1	.00	186.15
1102	101	501	0	502	20	20	1	.00	209.00
1103	201	501	0	502	20	20	1	.00	160.01
1104	301	501	0	502	20	20	1	.00	160.04
1105	632	512	0	511	20	20	1	.00	2.55
1106	701	501	0	502	20	20	1	.00	147.28
1107	801	501	0	502	20	20	1	.00	147.32
1108	901	501	0	502	20	20	1	.00	181.30
1109	1001	501	0	502	20	20	1	.00	181.32
1111	401	506	0	400	20	20	1	.00	3.70
1201	3	503	0	34	10	10	1	.00	163.34
1202	6	506	0	35	10	10	1	.00	162.78
1203	9	541	0	36	10	10	1	.00	170.73
1204	12	512	0	37	10	10	1	.00	156.78
1205	15	633	0	38	10	10	1	.00	164.45
1206	18	634	0	39	10	10	1	.00	160.31
1207	21	689	0	40	10	10	1	.00	155.04
1208	24	690	0	41	10	10	1	.00	165.30
1209	33	540	0	42	10	10	1	.00	184.24
1210	103	503	0	134	10	10	1	.00	177.71
1211	106	540	0	135	10	10	1	.00	199.76
1212	109	506	0	136	10	10	1	.00	175.10
1213	112	512	0	137	10	10	1	.00	170.07
1214	115	633	0	138	10	10	1	.00	169.57
1215	118	634	0	139	10	10	1	.00	169.52
1216	121	689	0	140	10	10	1	.00	182.16

CE SYSTEM 80 + HORIZONTAL MODEL

R A M E E L E M E N T D A T A

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS N1 N2		PROPERTY-ID END-I END-J		VAR	REL CODES	REF TEMP	ELEMENT LENGTH
1217	124	690	0	141	10	10	1	000000	.00	181.05
1218	133	541	0	142	10	10	1	000000	.00	201.39
1219	203	503	0	209	10	10	1	000000	.00	157.40
1220	205	506	0	210	10	10	1	000000	.00	158.27
1221	303	503	0	309	10	10	1	000000	.00	157.37
1222	305	506	0	310	10	10	1	000000	.00	158.24
1223	308	540	0	311	10	10	1	000000	.00	159.29
1224	703	503	0	730	10	10	1	000000	.00	147.11
1225	706	506	0	731	10	10	1	000000	.00	145.44
1226	709	509	0	732	10	10	1	000000	.00	144.91
1227	712	512	0	733	10	10	1	000000	.00	145.03
1228	715	633	0	734	10	10	1	000000	.00	138.98
1229	718	634	0	735	10	10	1	000000	.00	142.36
1230	721	688	0	736	10	10	1	000000	.00	133.96
1231	803	503	0	830	10	10	1	000000	.00	147.07
1232	806	506	0	831	10	10	1	000000	.00	145.41
1233	809	509	0	832	10	10	1	000000	.00	145.48
1234	812	512	0	833	10	10	1	000000	.00	145.81
1235	815	633	0	834	10	10	1	000000	.00	138.98
1236	818	634	0	835	10	10	1	000000	.00	142.36
1237	821	688	0	836	10	10	1	000000	.00	133.96
1238	903	503	0	922	10	10	1	000000	.00	153.58
1239	906	506	0	923	10	10	1	000000	.00	153.43
1240	909	512	0	924	10	10	1	000000	.00	150.83
1241	912	633	0	925	10	10	1	000000	.00	154.89
1242	915	634	0	926	10	10	1	000000	.00	168.41
1243	921	509	0	927	10	10	1	000000	.00	198.17
1244	1003	503	0	1022	10	10	1	000000	.00	153.61
1245	1006	506	0	1023	10	10	1	000000	.00	153.47
1246	1009	512	0	1024	10	10	1	000000	.00	152.01
1247	1012	633	0	1025	10	10	1	000000	.00	155.68
1248	1015	634	0	1026	10	10	1	000000	.00	168.55
1249	1021	509	0	1027	10	10	1	000000	.00	198.52
1250	2224	542	0	638	20	20	1	000000	.00	11.81
1251	2225	542	0	638	20	20	1	000000	.00	9.52
1252	2226	542	0	638	20	20	1	000000	.00	11.24
1253	2227	542	0	638	20	20	1	000000	.00	8.80
1254	2285	543	0	638	20	20	1	000000	.00	32.47
1255	2286	543	0	638	20	20	1	000000	.00	32.23
1256	2250	544	0	638	20	20	1	000000	.00	11.11
1257	2251	544	0	638	20	20	1	000000	.00	10.03
1258	2252	544	0	638	20	20	1	000000	.00	11.04
1259	2253	544	0	638	20	20	1	000000	.00	9.95
1260	2305	545	0	638	20	20	1	000000	.00	39.00
1261	2306	545	0	638	20	20	1	000000	.00	44.04
1262	2307	546	0	638	20	20	1	000000	.00	41.64
1263	2308	546	0	638	20	20	1	000000	.00	46.69
1264	2309	546	0	638	20	20	1	000000	.00	20.97
1265	2310	546	0	638	20	20	1	000000	.00	25.71
1301	2234	2239	0	2279	121	121	1	000000	.00	1.97
1302	2239	2357	0	2279	122	122	1	000000	.00	8.49

CE SYSTEM 80 + HORIZONTAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS		PROPERTY-ID		REL	REF	ELEMENT
			N1	N2	END-I	END-J	VAR	TEMP	LENGTH
1303	2357	2358	0	2279	123	123	1	000000	6.14
1304	2358	2359	0	2279	124	124	1	000000	5.95
1305	2359	2360	0	2279	125	125	1	000000	12.00
1306	2231	2282	0	2254	126	126	1	000000	1.53
1307	2232	2233	0	2254	127	127	1	000000	1.70
1308	2233	2234	0	2254	128	128	1	000000	7.06
1309	2254	2284	0	2231	126	126	1	000000	1.53
1310	2249	2244	0	2231	127	127	1	000000	1.70
1311	2244	2234	0	2231	128	128	1	000000	7.06
1312	2221	2281	0	2231	126	126	1	000000	1.53
1313	2222	2223	0	2231	127	127	1	000000	1.70
1314	2223	2234	0	2231	128	128	1	000000	7.06
1315	2230	2283	0	2254	126	126	1	000000	1.53
1316	2229	2228	0	2254	127	127	1	000000	1.70
1317	2228	2234	0	2254	128	128	1	000000	7.06
1318	2224	2231	0	2359	129	129	1	000000	.50
1319	2231	2235	0	2359	130	130	1	000000	.33
1320	2235	2240	0	2359	131	131	1	000000	17.99
1321	2240	2245	0	2359	132	132	1	000000	.79
1322	2245	2335	0	2359	133	133	1	000000	.29
1323	2335	2340	0	2359	134	134	1	000000	.13
1324	2340	2345	0	2359	135	135	1	000000	1.10
1325	2345	2349	0	2359	135	135	1	000000	.16
1326	2349	2350	0	2359	128	128	1	000000	1.75
1327	2350	2361	0	2351	136	136	1	000000	.41
1328	2361	2365	0	2351	137	137	1	000000	.77
1329	2365	2370	0	2351	138	138	1	000000	.35
1330	2370	2359	0	2351	128	128	1	000000	8.61
1331	2250	2255	0	2335	139	139	1	000000	.92
1332	2255	2245	0	2335	128	128	1	000000	1.25
1333	2225	2254	0	2359	129	129	1	000000	.50
1334	2254	2236	0	2359	130	130	1	000000	.33
1335	2236	2241	0	2359	131	131	1	000000	17.99
1336	2241	2246	0	2359	132	132	1	000000	.79
1337	2246	2336	0	2359	133	133	1	000000	.29
1338	2336	2341	0	2359	134	134	1	000000	.13
1339	2341	2346	0	2359	135	135	1	000000	1.10
1340	2346	2354	0	2359	135	135	1	000000	.16
1341	2354	2351	0	2359	128	128	1	000000	1.75
1342	2351	2362	0	2350	136	136	1	000000	.41
1343	2362	2366	0	2350	137	137	1	000000	.77
1344	2366	2371	0	2350	138	138	1	000000	.35
1345	2371	2359	0	2350	128	128	1	000000	8.61
1346	2251	2256	0	2336	139	139	1	000000	.92
1347	2256	2246	0	2336	128	128	1	000000	1.25
1348	2226	2221	0	2359	129	129	1	000000	.50
1349	2221	2237	0	2359	130	130	1	000000	.33
1350	2237	2242	0	2359	131	131	1	000000	17.99
1351	2242	2247	0	2359	132	132	1	000000	.79
1352	2247	2337	0	2359	133	133	1	000000	.29
1353	2337	2342	0	2359	134	134	1	000000	.13

CE SYSTEM 80 + HORIZONTAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS N1	LOCAL-AXIS N2	PROPERTY-ID END-I	PROPERTY-ID END-J	VAR	REL CODES	REF TEMP	ELEMENT LENGTH
1354	2342	2347	0	2359	135	135	1	000000	.00	1.10
1355	2347	2355	0	2359	135	135	1	000000	.00	.16
1356	2355	2352	0	2359	128	128	1	000000	.00	1.75
1357	2352	2363	0	2350	136	136	1	000000	.00	.41
1358	2363	2367	0	2350	137	137	1	000000	.00	.77
1359	2367	2372	0	2350	138	138	1	000000	.00	.35
1360	2372	2359	0	2350	128	128	1	000000	.00	8.61
1361	2252	2257	0	2337	139	139	1	000000	.00	.92
1362	2257	2247	0	2337	128	128	1	000000	.00	1.25
1363	2227	2230	0	2359	129	129	1	000000	.00	.50
1364	2230	2238	0	2359	130	130	1	000000	.00	.33
1365	2238	2243	0	2359	131	131	1	000000	.00	17.99
1366	2243	2248	0	2359	132	132	1	000000	.00	.79
1367	2248	2338	0	2359	133	133	1	000000	.00	.29
1368	2338	2343	0	2359	134	134	1	000000	.00	.13
1369	2343	2348	0	2359	135	135	1	000000	.00	1.10
1370	2348	2356	0	2359	135	135	1	000000	.00	.16
1371	2356	2353	0	2359	128	128	1	000000	.00	1.75
1372	2353	2364	0	2351	136	136	1	000000	.00	.41
1373	2364	2368	0	2351	137	137	1	000000	.00	.77
1374	2368	2373	0	2351	138	138	1	000000	.00	.35
1375	2373	2359	0	2351	128	128	1	000000	.00	8.61
1376	2253	2258	0	2338	139	139	1	000000	.00	.92
1377	2258	2248	0	2338	128	128	1	000000	.00	1.25
1378	2415	2416	0	2279	135	135	1	000000	.00	.10
1379	2415	2416	0	2279	135	135	1	000000	.00	.10
1380	2415	2416	0	2279	135	135	1	000000	.00	.10
1381	2261	2263	0	2321	140	140	1	000000	.00	.52
1382	2263	2265	0	2321	128	128	1	000000	.00	.13
1383	2265	2267	0	2321	141	141	1	000000	.00	.08
1384	2267	2269	0	2321	142	142	1	000000	.00	.33
1385	2269	2271	0	2321	143	143	1	000000	.00	.96
1386	2271	2273	0	2321	144	144	1	000000	.00	.96
1387	2273	2275	0	2321	145	145	1	000000	.00	1.24
1388	2275	2277	0	2321	146	146	1	000000	.00	3.72
1389	2277	2279	0	2321	147	147	1	000000	.00	3.72
1390	2279	2291	0	2321	148	148	1	000000	.00	2.25
1391	2291	2293	0	2321	149	149	1	000000	.00	13.08
1392	2293	2295	0	2321	150	150	1	000000	.00	7.98
1393	2295	2297	0	2321	151	151	1	000000	.00	3.57
1394	2297	2299	0	2321	152	152	1	000000	.00	3.57
1395	2299	2301	0	2321	153	153	1	000000	.00	4.46
1396	2301	2311	0	2321	154	154	1	000000	.00	5.33
1397	2311	2313	0	2321	155	155	1	000000	.00	5.41
1398	2305	2303	0	2409	156	156	1	000000	.00	6.33
1399	2303	2301	0	2409	157	157	1	000000	.00	1.83
1400	2325	2323	0	2410	158	158	1	000000	.00	.68
1401	2323	2317	0	2410	159	159	1	000000	.00	.52
1402	2317	2313	0	2410	128	128	1	000000	.00	9.68
1403	2321	2319	0	2410	158	158	1	000000	.00	.68
1404	2319	2315	0	2410	159	159	1	000000	.00	.52

CE SYSTEM 80 + HORIZONTAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS		PROPERTY-ID		REL VAR	REL CODES	REF TEMP	ELEMENT LENGTH
			N1	N2	FND-I	END-J				
1405	2315	2313	0	2410	128	128	1	000000	.00	9.68
1406	2415	2416	0	2279	135	135	1	000000	.00	.10
1407	2415	2416	0	2279	135	135	1	000000	.00	.10
1408	2415	2416	0	2279	135	135	1	000000	.00	.10
1409	2415	2416	0	2279	135	135	1	000000	.00	.10
1410	2415	2416	0	2279	135	135	1	000000	.00	.10
1411	2262	2264	0	2321	140	140	1	000000	.00	.52
1412	2264	2266	0	2321	128	128	1	000000	.00	.13
1413	2266	2268	0	2321	141	141	1	000000	.00	.08
1414	2268	2270	0	2321	142	142	1	000000	.00	.33
1415	2270	2272	0	2321	143	143	1	000000	.00	.96
1416	2272	2274	0	2321	144	144	1	000000	.00	.96
1417	2274	2276	0	2321	145	145	1	000000	.00	1.24
1418	2276	2278	0	2321	146	146	1	000000	.00	3.72
1419	2278	2280	0	2321	147	147	1	000000	.00	3.72
1420	2280	2292	0	2321	148	148	1	000000	.00	2.25
1421	2292	2294	0	2321	149	149	1	000000	.00	13.08
1422	2294	2296	0	2321	150	150	1	000000	.00	7.98
1423	2296	2298	0	2321	151	151	1	000000	.00	3.57
1424	2298	2300	0	2321	152	152	1	000000	.00	3.57
1425	2300	2302	0	2321	153	153	1	000000	.00	4.46
1426	2302	2312	0	2321	154	154	1	000000	.00	5.33
1427	2312	2314	0	2321	155	155	1	000000	.00	5.41
1428	2306	2304	0	2409	156	156	1	000000	.00	6.33
1429	2304	2302	0	2409	157	157	1	000000	.00	1.83
1430	2326	2324	0	2410	158	158	1	000000	.00	.68
1431	2324	2318	0	2410	159	159	1	000000	.00	.52
1432	2318	2314	0	2410	128	128	1	000000	.00	9.68
1433	2322	2320	0	2410	158	158	1	000000	.00	.68
1434	2320	2316	0	2410	159	159	1	000000	.00	.52
1435	2316	2314	0	2410	128	128	1	000000	.00	9.68
1436	2415	2416	0	2279	135	135	1	000000	.00	.10
1437	2415	2415	0	2279	135	135	1	000000	.00	.10
1438	2415	2416	0	2279	135	135	1	000000	.00	.10
1439	2415	2416	0	2279	135	135	1	000000	.00	.10
1440	2415	2416	0	2279	135	135	1	000000	.00	.10
1441	2359	2405	0	2412	128	128	1	000000	.00	8.54
1442	2405	2403	0	2412	160	160	1	000000	.00	.42
1443	2403	2401	0	2412	161	161	1	000000	.00	.55
1444	2401	2399	0	2412	162	162	1	000000	.00	.46
1445	2399	2397	0	2412	163	163	1	000000	.00	.57
1446	2397	2395	0	2412	164	164	1	000000	.00	10.91
1447	2395	2393	0	2279	165	165	1	000000	.00	.80
1448	2393	2391	0	2279	165	165	1	000000	.00	.80
1449	2391	2389	0	2279	165	165	1	000000	.00	.80
1450	2389	2383	0	2279	165	165	1	000000	.00	.80
1451	2383	2381	0	2279	166	166	1	000000	.00	.63
1452	2381	2379	0	2261	167	167	1	000000	.00	.36
1453	2379	2377	0	2261	168	168	1	000000	.00	.64
1454	2377	2375	0	2261	169	169	1	000000	.00	.52
1455	2375	2279	0	2261	128	128	1	000000	.00	7.49

CE SYSTEM 80 + HORIZONTAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS		PROPERTY-ID		REL	REF	ELEMENT
			N1	N2	END-I	END-J	VAR	TEMP	LENGTH
1456	2415	2416	0	2279	135	135	1	.00	.10
1457	2415	2416	0	2279	135	135	1	.00	.10
1458	2415	2416	0	2279	135	135	1	.00	.10
1459	2415	2416	0	2279	135	135	1	.00	.10
1460	2415	2416	0	2279	135	135	1	.00	.10
1461	2359	2406	0	2412	128	128	1	.00	8.54
1462	2406	2404	0	2412	160	160	1	.00	.42
1463	2404	2402	0	2412	161	161	1	.00	.55
1464	2402	2400	0	2412	162	162	1	.00	.46
1465	2400	2398	0	2412	163	163	1	.00	.57
1466	2398	2396	0	2412	164	164	1	.00	10.91
1467	2396	2394	0	2279	165	165	1	.00	.80
1468	2394	2392	0	2279	165	165	1	.00	.80
1469	2392	2390	0	2279	165	165	1	.00	.80
1470	2390	2384	0	2279	165	165	1	.00	.80
1471	2384	2382	0	2279	166	166	1	.00	.63
1472	2382	2380	0	2261	167	167	1	.00	.36
1473	2380	2378	0	2261	168	168	1	.00	.64
1474	2378	2376	0	2261	169	169	1	.00	.52
1475	2376	2280	0	2261	128	128	1	.00	7.49
1476	2282	2232	0	2231	170	170	1	.00	.01
1477	2284	2249	0	2254	170	170	1	.00	.01
1478	2281	2222	0	2221	170	170	1	.00	.01
1479	2283	2229	0	2230	170	170	1	.00	.01
1480	2285	2261	0	2263	171	171	1	.00	.01
1481	2286	2262	0	2264	171	171	1	.00	.01
1482	2309	2325	0	2313	172	172	1	.00	.01
1483	2307	2321	0	2313	172	172	1	.00	.01
1484	2310	2326	0	2314	172	172	1	.00	.01
1485	2308	2322	0	2314	172	172	1	.00	.01
1501	2	102	0	101	10	10	1	.00	143.49
1502	33	105	0	104	10	10	1	.00	155.57
1503	5	108	0	107	10	10	1	.00	144.40
1504	8	133	0	110	10	10	1	.00	164.04
1505	11	111	0	110	10	10	1	.00	165.44
1506	14	114	0	113	10	10	1	.00	133.24
1507	17	117	0	116	10	10	1	.00	161.11
1508	20	120	0	119	10	10	1	.00	187.71
1509	23	123	0	119	10	10	1	.00	175.58
1510	2	202	0	201	10	10	1	.00	137.67
1511	5	204	0	201	10	10	1	.00	132.98
1512	102	302	0	301	10	10	1	.00	152.19
1513	105	308	0	301	10	10	1	.00	150.33
1514	108	304	0	301	10	10	1	.00	150.64
1515	202	702	0	201	10	10	1	.00	89.15
1516	204	705	0	201	10	10	1	.00	90.00
1517	302	802	0	801	10	10	1	.00	89.15
1518	304	805	0	804	10	10	1	.00	90.00
1519	702	902	0	901	10	10	1	.00	113.68
1520	705	905	0	904	10	10	1	.00	112.01
1521	708	921	0	907	10	10	1	.00	124.95

CE SYSTEM 80 + HORIZONTAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS		PROPERTY-ID		REL	REF	ELEMENT
			N1	N2	END-I	END-J	VAR	TEMP	LENGTH
1522	711	908	0	907	10	10	1	000000	.00 138.87
1523	714	911	0	910	10	10	1	000000	.00 137.13
1524	717	914	0	913	10	10	1	000000	.00 150.19
1525	802	1002	0	1001	10	10	1	000000	.00 113.68
1526	805	1005	0	1004	10	10	1	000000	.00 112.01
1527	808	1021	0	1007	10	10	1	000000	.00 124.95
1528	811	1008	0	1007	10	10	1	000000	.00 138.87
1529	814	1011	0	1010	10	10	1	000000	.00 141.12
1530	817	1014	0	1010	10	10	1	000000	.00 150.19
1531	902	1002	0	1001	10	10	1	000000	.00 235.68
1532	905	1005	0	1004	10	10	1	000000	.00 237.74
1533	921	1021	0	1007	10	10	1	000000	.00 240.20
1534	908	1008	0	1007	10	10	1	000000	.00 240.20
1535	911	1011	0	1010	10	10	1	000000	.00 225.07
1536	914	1014	0	1013	10	10	1	000000	.00 203.14

CE SYSTEM 80 + HORIZONTAL MODEL

TOTAL WEIGHTS AND MASSES

PROP	WEIGHT	MASS
1	.0000	.0000
2	.0000	.0000
3	.0000	.0000
4	.0000	.0000
5	.0000	.0000
6	.0000	.0000
7	.0000	.0000
8	.0000	.0000
9	.0000	.0000
10	.0000	.0000
11	.0000	.0000
12	.0000	.0000
13	.0000	.0000
14	.0000	.0000
15	.0000	.0000
16	.0000	.0000
17	.0000	.0000
18	.0000	.0000
19	.0000	.0000
20	.0000	.0000
21	.0000	.0000
22	.0000	.0000
23	.0000	.0000
24	.0000	.0000
25	.0000	.0000
26	.0000	.0000
27	.0000	.0000
28	.0000	.0000
29	.0000	.0000
30	.0000	.0000
31	.0000	.0000
32	.0000	.0000
33	.0000	.0000
34	.0000	.0000
35	.0000	.0000
36	.0000	.0000
37	.0000	.0000
38	.0000	.0000
39	.0000	.0000
40	.0000	.0000
41	.0000	.0000
42	.0000	.0000
43	.0000	.0000
44	.0000	.0000
45	.0000	.0000
46	.0000	.0000
47	.0000	.0000
48	.0000	.0000
49	.0000	.0000
50	.0000	.0000
51	.0000	.0000
52	.0000	.0000
53	.0000	.0000

CE SYSTEM 80 + HORIZONTAL MODEL

TOTAL WEIGHTS AND MASSES

PROP	WEIGHT	MASS
54	.0000	.0000
55	.0000	.0000
56	.0000	.0000
57	.0000	.0000
58	.0000	.0000
59	.0000	.0000
60	.0000	.0000
61	.0000	.0000
62	.0000	.0000
63	.0000	.0000
64	.0000	.0000
65	.0000	.0000
66	.0000	.0000
67	.0000	.0000
68	.0000	.0000
69	.0000	.0000
70	.0000	.0000
71	.0000	.0000
72	.0000	.0000
73	.0000	.0000
74	.0000	.0000
75	.0000	.0000
76	.0000	.0000
77	.0000	.0000
78	.0000	.0000
79	.0000	.0000
80	.0000	.0000
81	.0000	.0000
82	.0000	.0000
83	.0000	.0000
84	.0000	.0000
85	.0000	.0000
86	.0000	.0000
87	.0000	.0000
88	.0000	.0000
89	.0000	.0000
90	.0000	.0000
91	.0000	.0000
92	.0000	.0000
93	.0000	.0000
94	.0000	.0000
95	.0000	.0000
96	.0000	.0000
97	.0000	.0000
98	.0000	.0000
99	.0000	.0000
100	.0000	.0000
101	.0000	.0000
102	.0000	.0000
103	.0000	.0000
104	.0000	.0000
105	.0000	.0000
106	.0000	.0000

CE SYSTEM 80 + HORIZONTAL MODEL

TOTAL WEIGHTS AND MASSES

PROP	WEIGHT	MASS
107	.0000	.0000
108	.0000	.0000
109	.0000	.0000
110	.0000	.0000
111	.0000	.0000
112	.0000	.0000
113	.0000	.0000
114	.0000	.0000
115	.0000	.0000
116	.0000	.0000
117	.0000	.0000
118	.0000	.0000
119	.0000	.0000
120	.0000	.0000
121	.0000	.0000
122	.0000	.0000
123	.0000	.0000
124	.0000	.0000
125	.0000	.0000
126	.0000	.0000
127	.0000	.0000
128	.0000	.0000
129	.0000	.0000
130	.0000	.0000
131	.0000	.0000
132	.0000	.0000
133	.0000	.0000
134	.0000	.0000
135	.0000	.0000
136	.0000	.0000
137	.0000	.0000
138	.0000	.0000
139	.0000	.0000
140	.0000	.0000
141	.0000	.0000
142	.0000	.0000
143	.0000	.0000
144	.0000	.0000
145	.0000	.0000
146	.0000	.0000
147	.0000	.0000
148	.0000	.0000
149	.0000	.0000
150	.0000	.0000
151	.0000	.0000
152	.0000	.0000
153	.0000	.0000
154	.0000	.0000
155	.0000	.0000
156	.0000	.0000
157	.0000	.0000
158	.0000	.0000
159	.0000	.0000

CE SYSTEM 80 + HORIZONTAL MODEL

TOTAL WEIGHTS AND MASSES

PROP	WEIGHT	MASS
160	.0000	.0000
161	.0000	.0000
162	.0000	.0000
163	.0000	.0000
164	.0000	.0000
165	.0000	.0000
166	.0000	.0000
167	.0000	.0000
168	.0000	.0000
169	.0000	.0000
170	.0000	.0000
171	.0000	.0000
172	.0000	.0000
TOTAL	.0000	.0000

CE SYSTEM 80 + HORIZONTAL MODEL

CONT AND ELEMENT OUTPUT SELECTION

TYPE		FIRST ID	LAST ID	ID INC	CODE
3	(JOINT MODES)	1	2416	1	1
3	(JOINT MODES)	25	32	1	0
3	(JOINT MODES)	34	42	1	0
3	(JOINT MODES)	125	132	1	0
3	(JOINT MODES)	134	142	1	0
3	(JOINT MODES)	206	207	1	0
3	(JOINT MODES)	209	210	1	0
3	(JOINT MODES)	306	307	1	0
3	(JOINT MODES)	309	311	1	0
3	(JOINT MODES)	402	402	1	0
3	(JOINT MODES)	530	539	1	0
3	(JOINT MODES)	645	687	1	0
3	(JOINT MODES)	722	729	1	0
3	(JOINT MODES)	730	736	1	0
3	(JOINT MODES)	822	829	1	0
3	(JOINT MODES)	830	836	1	0
3	(JOINT MODES)	916	920	1	0
3	(JOINT MODES)	922	927	1	0
3	(JOINT MODES)	1016	1020	1	0
3	(JOINT MODES)	1022	1027	1	0
3	(JOINT MODES)	2259	2260	1	0
3	(JOINT MODES)	2287	2290	1	0
3	(JOINT MODES)	2327	2334	1	0
3	(JOINT MODES)	2339	2339	1	0
3	(JOINT MODES)	2344	2344	1	0
3	(JOINT MODES)	2369	2369	1	0
3	(JOINT MODES)	2374	2374	1	0
3	(JOINT MODES)	2385	2385	1	0
3	(JOINT MODES)	2386	2388	1	0
3	(JOINT MODES)	2407	2416	1	0
3	(JOINT MODES)	1	1	1	0
3	(JOINT MODES)	101	101	1	0
3	(JOINT MODES)	201	201	1	0
3	(JOINT MODES)	301	301	1	0
3	(JOINT MODES)	501	501	1	0
3	(JOINT MODES)	701	701	1	0
3	(JOINT MODES)	801	801	1	0
3	(JOINT MODES)	901	901	1	0
3	(JOINT MODES)	1001	1001	1	0
5	(FRAME ELEMT)	1	1536	1	0
6	(SHELL ELEMT)	1	60	1	0

OUTPUT FILES CREATED BY PROGRAM

INPUT DATA ECHO	ceh2cnrc.SAP
SOLUTION ERRORS AND WARNINGS	ceh2cnrc.ERR
EQUATION NUMBERING	ceh2cnrc.EQN
FREQUENCIES	ceh2cnrc.RIT
DISPLACEMENTS AND REACTIONS	ceh2cnrc.SOL
FRAME ELEMENT FORCES	ceh2cnrc.F3F

VERTICAL MODEL

(Input and Output Files of Fixed-Base Model)

CF SYSTEM B0 + VERTICAL MBIEL

SYSTEM
Z=20

L=1

JOINTS	X	Y	Z
1	-163.740	70.220	50.000
2	-163.740	70.220	68.500
3	-140.518	84.316	69.527
4	-161.390	71.760	68.500
5	-161.390	71.760	90.250
6	-145.324	74.308	90.000
7	-155.780	73.400	90.250
8	-155.780	73.400	101.000
9	-159.121	69.210	103.688
10	-153.700	74.700	101.000
11	-153.700	74.700	114.000
12	-140.621	73.851	115.518
13	-158.560	67.580	114.000
14	-158.160	67.580	129.000
15	-149.677	68.133	129.128
16	-161.740	76.240	129.000
17	-161.740	76.240	144.500
18	-139.615	78.777	145.386
19	-146.120	91.350	144.500
20	-146.120	91.350	168.500
21	-132.682	80.203	169.092
22	-148.610	89.490	148.500
23	-148.610	89.490	189.500
24	-144.299	80.625	188.196
25	-163.740	80.220	68.500
26	-161.390	81.760	90.250
27	-155.780	83.400	101.000
28	-153.700	84.700	114.000
29	-158.160	77.580	129.000
30	-161.740	86.240	144.500
31	-146.120	101.350	168.500
32	-148.610	99.490	169.092
33	-161.390	71.760	79.500
34	-140.518	84.316	79.527
35	-145.324	74.308	100.000
36	-159.121	60.210	113.688
37	-140.621	73.851	125.518
38	-149.677	68.133	139.128
39	-139.615	78.777	155.386
40	-132.682	80.203	179.092
41	-144.299	89.490	198.196
42	-161.390	71.760	89.500
101	-180.510	-72.850	50.000
102	180.510	-72.850	68.500
103	-159.810	-79.010	68.067
104	-186.020	-79.350	68.500
105	-185.020	-79.350	79.500
106	-187.132	-66.738	80.645
107	-182.640	-68.950	79.500
108	-182.640	-68.950	90.250
109	-156.043	-80.364	92.029

DESIGN VERIFICATION	
CLIENT	ABB CE
JOB NO	8683 00013
CALC/PROB NO	572-01
BY	AM
CHKD	SM
DATE	9/9/92
DATE	9/9/92

110	Y=	-163.430	Y=	-84.640	Z=	90.250
111	Y=	-163.430	Y=	-84.640	Z=	114.000
112	X=	-152.395	Y=	-79.224	Z=	113.762
113	X=	-167.650	Y=	-83.960	Z=	114.000
114	X=	-167.650	Y=	-83.960	Z=	129.000
115	X=	-153.921	Y=	-71.154	Z=	129.474
116	X=	-170.160	Y=	-77.190	Z=	129.000
117	X=	-170.160	Y=	-77.190	Z=	144.500
118	X=	-154.702	Y=	-69.301	Z=	145.913
119	X=	-172.650	Y=	-77.260	Z=	144.500
120	X=	-172.650	Y=	-77.260	Z=	168.500
121	X=	-169.388	Y=	-66.999	Z=	168.613
122	X=	-179.400	Y=	-74.200	Z=	168.500
123	X=	-179.400	Y=	-74.200	Z=	189.500
124	X=	-160.016	Y=	-6.437	Z=	188.465
125	X=	-180.510	Y=	-62.850	Z=	68.500
126	X=	-286.020	Y=	-69.350	Z=	79.600
127	X=	-182.640	Y=	-58.950	Z=	90.250
128	X=	-163.430	Y=	-74.640	Z=	114.000
129	X=	-167.650	Y=	-73.960	Z=	129.000
130	X=	-170.160	Y=	-67.190	Z=	-4.500
131	X=	-172.650	Y=	-67.260	Z=	168.500
132	X=	-179.400	Y=	-64.200	Z=	189.500
133	X=	-163.430	Y=	-84.640	Z=	101.00
134	X=	-159.810	Y=	-79.010	Z=	78.067
135	X=	-187.132	Y=	-66.738	Z=	90.645
136	X=	-156.043	Y=	-80.364	Z=	102.029
137	X=	-152.395	Y=	-79.224	Z=	123.762
138	X=	-153.921	Y=	-71.154	Z=	139.474
139	X=	-154.762	Y=	-69.301	Z=	155.913
140	X=	-169.388	Y=	-66.999	Z=	178.613
141	X=	-168.016	Y=	-67.437	Z=	198.465
142	X=	-163.430	Y=	-84.640	Z=	111.00
201	X=	-60.000	Y=	146.830	Z=	50.000
202	X=	-60.000	Y=	146.830	Z=	68.500
203	X=	-60.000	Y=	145.758	Z=	70.043
204	X=	-60.000	Y=	146.830	Z=	90.250
205	X=	-67.169	Y=	143.491	Z=	91.696
206	X=	-60.000	Y=	156.830	Z=	68.500
207	X=	-60.000	Y=	156.830	Z=	90.250
209	X=	-60.000	Y=	145.758	Z=	86.043
210	X=	-67.169	Y=	143.491	Z=	101.696
301	X=	-60.000	Y=	-146.830	Z=	50.000
302	X=	-60.000	Y=	-146.830	Z=	68.500
303	X=	-60.000	Y=	-145.758	Z=	70.043
304	X=	-60.000	Y=	-146.830	Z=	90.250
305	X=	-67.169	Y=	-143.491	Z=	91.696
306	Y=	-60.000	Y=	-136.830	Z=	68.500
307	X=	-60.000	Y=	-136.830	Z=	90.250
308	X=	-60.000	Y=	-146.830	Z=	79.500
309	X=	-60.000	Y=	-145.758	Z=	80.043
310	X=	-67.169	Y=	-143.491	Z=	101.696
311	X=	-60.000	Y=	-146.830	Z=	89.500
400	X=	0.000	Y=	0.000	Z=	174.70
401	X=	0.000	Y=	0.000	Z=	91.75
402	X=	0.000	Y=	10.000	Z=	91.75
501	X=	1.150	Y=	0.000	Z=	50.000

502	X=	1.150	Y=	0.000	Z=	68.500
503	X=	-0.632	Y=	-0.021	Z=	70.193
504	X=	-3.150	Y=	0.000	Z=	68.500
505	X=	-3.150	Y=	0.000	Z=	90.250
506	X=	-0.520	Y=	-0.015	Z=	88.089
507	X=	-0.400	Y=	0.000	Z=	90.250
508	X=	-0.400	Y=	0.000	Z=	104.500
509	X=	-5.867	Y=	0.286	Z=	104.510
510	X=	-4.310	Y=	0.820	Z=	104.500
511	X=	-4.310	Y=	0.820	Z=	114.000
512	X=	-2.118	Y=	0.395	Z=	114.133
513	X=	-8.740	Y=	1.760	Z=	114.000
514	X=	-8.740	Y=	1.760	Z=	120.000
515	X=	-7.738	Y=	2.033	Z=	128.730
516	X=	-8.930	Y=	1.470	Z=	120.000
517	X=	-8.930	Y=	1.470	Z=	144.500
518	X=	-1.169	Y=	1.029	Z=	143.586
519	X=	3.190	Y=	2.970	Z=	144.500
520	X=	3.190	Y=	2.970	Z=	164.330
521	X=	-0.290	Y=	5.816	Z=	165.700
522	X=	0.340	Y=	5.140	Z=	164.330
523	X=	0.340	Y=	5.140	Z=	178.000
524	X=	-2.180	Y=	3.470	Z=	178.000
525	X=	-2.180	Y=	3.470	Z=	191.330
526	X=	-1.674	Y=	1.243	Z=	189.429
527	X=	0.000	Y=	0.000	Z=	191.330
528	X=	0.000	Y=	0.000	Z=	210.000
529	X=	2.959	Y=	2.959	Z=	208.122
530	X=	1.150	Y=	10.010	Z=	68.500
531	X=	-3.150	Y=	10.000	Z=	90.250
532	X=	-0.400	Y=	10.000	Z=	104.500
533	X=	-4.310	Y=	10.820	Z=	114.000
534	X=	-8.740	Y=	11.760	Z=	120.000
535	X=	-8.930	Y=	11.470	Z=	144.500
536	X=	3.190	Y=	12.970	Z=	164.330
537	X=	0.340	Y=	15.140	Z=	178.000
538	X=	-2.180	Y=	13.470	Z=	191.330
539	X=	0.000	Y=	10.000	Z=	210.000
540	X=	-3.150	Y=	0.000	Z=	79.500
541	X=	-0.400	Y=	0.000	Z=	101.00
542	X=	-3.150	Y=	0.000	Z=	84.208
543	X=	-0.400	Y=	0.000	Z=	102.106
544	X=	-0.400	Y=	0.000	Z=	103.828
545	X=	3.190	Y=	2.970	Z=	148.643
546	X=	3.190	Y=	2.970	Z=	159.402
632	X=	0.000	Y=	7.000	Z=	115.500
633	X=	0.000	Y=	0.000	Z=	129.000
634	X=	0.000	Y=	0.000	Z=	144.500
635	X=	0.000	Y=	0.000	Z=	157.000
636	X=	0.000	Y=	0.000	Z=	175.490
637	X=	0.000	Y=	0.000	Z=	193.430
638	X=	0.000	Y=	0.070	Z=	210.250
639	X=	0.000	Y=	0.000	Z=	225.466
640	X=	0.000	Y=	0.000	Z=	38.580
641	X=	0.000	Y=	0.000	Z=	249.239
642	X=	0.000	Y=	0.000	Z=	257.080
643	X=	0.000	Y=	0.000	Z=	261.890

644	X=	0.000	Y=	0.000	Z=	263.500
645	X=	0.000	Y=	10.000	Z=	0.000
646	X=	0.000	Y=	10.000	Z=	0.000
647	X=	0.000	Y=	10.000	Z=	0.000
648	X=	0.000	Y=	10.000	Z=	0.000
649	X=	0.000	Y=	10.000	Z=	0.000
650	X=	0.000	Y=	10.000	Z=	0.000
651	X=	0.000	Y=	10.000	Z=	0.000
652	X=	0.000	Y=	10.000	Z=	0.000
653	X=	0.000	Y=	10.000	Z=	0.000
654	X=	0.000	Y=	10.000	Z=	0.000
655	X=	0.000	Y=	10.000	Z=	0.000
656	X=	0.000	Y=	10.000	Z=	0.000
657	X=	0.000	Y=	10.000	Z=	0.000
658	X=	0.000	Y=	10.000	Z=	0.000
659	X=	0.000	Y=	10.000	Z=	0.000
660	X=	0.000	Y=	10.000	Z=	0.000
661	X=	0.000	Y=	10.000	Z=	0.000
662	X=	0.000	Y=	10.000	Z=	0.000
663	X=	0.000	Y=	10.000	Z=	0.000
664	X=	0.000	Y=	10.000	Z=	0.000
665	X=	0.000	Y=	10.000	Z=	0.000
666	X=	0.000	Y=	10.000	Z=	0.000
667	X=	0.000	Y=	10.000	Z=	0.000
668	X=	0.000	Y=	10.000	Z=	0.000
669	X=	0.000	Y=	10.000	Z=	0.000
670	X=	0.000	Y=	10.000	Z=	0.000
671	X=	0.000	Y=	10.000	Z=	0.000
672	X=	0.000	Y=	10.000	Z=	0.000
673	X=	0.000	Y=	10.000	Z=	0.000
674	X=	0.000	Y=	10.000	Z=	0.000
675	X=	0.000	Y=	10.000	Z=	0.000
676	X=	0.000	Y=	10.000	Z=	129.000
677	X=	0.000	Y=	10.000	Z=	144.500
678	X=	0.000	Y=	10.000	Z=	157.000
679	X=	0.000	Y=	10.000	Z=	175.400
680	X=	0.000	Y=	10.000	Z=	193.400
681	X=	0.000	Y=	10.000	Z=	210.250
682	X=	0.000	Y=	10.000	Z=	225.460
683	X=	0.000	Y=	10.000	Z=	238.560
684	X=	0.000	Y=	10.000	Z=	249.230
685	X=	0.000	Y=	10.000	Z=	257.000
686	X=	0.000	Y=	10.000	Z=	261.000
687	X=	0.000	Y=	10.000	Z=	263.500
688	X=	0.000	Y=	0.000	Z=	154.500
689	X=	0.000	Y=	0.000	Z=	168.500
690	X=	0.000	Y=	0.000	Z=	189.500
701	X=	26.680	Y=	143.280	Z=	50.000
702	X=	26.680	Y=	143.280	Z=	68.500
703	X=	28.971	Y=	144.076	Z=	69.773
704	X=	30.000	Y=	144.890	Z=	68.500
705	X=	30.000	Y=	144.890	Z=	90.250
706	X=	30.000	Y=	142.190	Z=	87.655
707	X=	30.000	Y=	144.890	Z=	104.300
708	X=	17.397	Y=	143.321	Z=	104.399
709	X=	17.680	Y=	146.280	Z=	104.500
710	X=	17.680	Y=	146.280	Z=	114.000

711	X=	18.410	Y=	143.961	Z=	115.310
712	X=	17.680	Y=	146.280	Z=	129.000
713	X=	21.319	Y=	137.316	Z=	131.561
714	X=	22.750	Y=	143.750	Z=	129.000
715	X=	22.750	Y=	143.750	Z=	144.500
716	X=	25.658	Y=	140.409	Z=	144.995
717	X=	24.070	Y=	137.370	Z=	144.500
718	X=	24.070	Y=	137.370	Z=	154.500
719	X=	22.488	Y=	132.054	Z=	154.255
720	X=	26.680	Y=	133.280	Z=	68.500
721	X=	30.000	Y=	154.890	Z=	90.250
722	X=	36.000	Y=	154.890	Z=	104.500
723	X=	17.680	Y=	156.280	Z=	114.000
724	X=	17.680	Y=	156.280	Z=	129.000
725	X=	22.750	Y=	153.750	Z=	144.500
726	X=	24.070	Y=	147.370	Z=	154.500
727	X=	25.150	Y=	166.570	Z=	144.500
728	X=	24.480	Y=	150.790	Z=	154.500
729	X=	20.000	Y=	147.170	Z=	90.250
730	X=	28.971	Y=	144.076	Z=	79.773
731	X=	30.000	Y=	142.190	Z=	97.655
732	X=	17.397	Y=	143.321	Z=	114.399
733	X=	18.410	Y=	143.961	Z=	125.310
734	X=	21.319	Y=	137.316	Z=	141.561
735	X=	23.658	Y=	140.409	Z=	154.995
736	X=	22.488	Y=	132.054	Z=	164.255
801	X=	26.680	Y=	-143.280	Z=	50.000
802	X=	26.680	Y=	-143.280	Z=	68.500
803	X=	28.971	Y=	-144.076	Z=	69.773
804	X=	30.000	Y=	-144.890	Z=	68.500
805	X=	30.000	Y=	-144.890	Z=	90.250
806	X=	30.000	Y=	-142.190	Z=	87.655
807	X=	30.000	Y=	-144.890	Z=	104.500
808	X=	17.397	Y=	-143.321	Z=	104.399
809	X=	17.680	Y=	-146.280	Z=	104.500
810	X=	17.680	Y=	-146.280	Z=	114.000
811	X=	18.410	Y=	-143.961	Z=	115.310
812	X=	17.680	Y=	-146.280	Z=	129.000
813	X=	21.319	Y=	-137.316	Z=	131.561
814	X=	22.750	Y=	-143.750	Z=	129.000
815	X=	22.750	Y=	-143.750	Z=	144.500
816	X=	25.658	Y=	-140.409	Z=	144.995
817	X=	24.070	Y=	-137.370	Z=	144.500
818	X=	24.070	Y=	-137.370	Z=	154.500
819	X=	22.488	Y=	-132.054	Z=	154.255
820	X=	26.680	Y=	-133.280	Z=	68.500
821	X=	30.000	Y=	-134.890	Z=	90.250
822	X=	30.000	Y=	-134.890	Z=	104.500
823	X=	17.680	Y=	-136.280	Z=	114.000
824	X=	17.680	Y=	-136.280	Z=	129.000
825	X=	22.750	Y=	-133.750	Z=	144.500
826	X=	24.070	Y=	-127.370	Z=	154.500
827	X=	25.150	Y=	-146.570	Z=	144.500
828	X=	24.480	Y=	-130.790	Z=	154.500
829	X=	20.000	Y=	-147.170	Z=	90.250
830	X=	28.971	Y=	-144.076	Z=	79.773
831	X=	30.000	Y=	-142.190	Z=	97.655

832	X=	17.397	Y=	-143.321	Z=	114.309
833	X=	18.410	Y=	-143.961	Z=	125.310
834	X=	21.319	Y=	-137.316	Z=	141.561
835	X=	23.458	Y=	-140.409	Z=	154.995
836	X=	22.488	Y=	-132.054	Z=	164.255
901	X=	131.310	Y=	100.060	Z=	50.000
902	X=	131.310	Y=	100.060	Z=	68.500
903	X=	120.100	Y=	94.890	Z=	69.574
904	X=	130.050	Y=	100.310	Z=	68.500
905	X=	130.050	Y=	100.310	Z=	90.250
906	X=	120.046	Y=	94.829	Z=	91.111
907	X=	130.710	Y=	102.830	Z=	90.250
908	X=	130.710	Y=	102.830	Z=	114.000
909	X=	122.450	Y=	85.437	Z=	112.028
910	X=	133.000	Y=	86.390	Z=	114.000
911	X=	133.000	Y=	86.390	Z=	129.000
912	X=	136.263	Y=	73.647	Z=	120.595
913	X=	148.860	Y=	86.270	Z=	129.000
914	X=	148.860	Y=	86.270	Z=	144.500
915	X=	146.874	Y=	82.335	Z=	147.955
916	X=	131.310	Y=	110.060	Z=	68.500
917	X=	130.050	Y=	110.310	Z=	90.250
918	X=	130.710	Y=	112.830	Z=	114.000
919	X=	133.000	Y=	96.390	Z=	129.000
920	X=	148.860	Y=	46.270	Z=	144.500
921	X=	130.710	Y=	102.830	Z=	104.500
922	X=	120.100	Y=	94.890	Z=	79.574
923	X=	120.046	Y=	94.829	Z=	101.111
924	X=	122.450	Y=	85.437	Z=	122.028
925	X=	136.263	Y=	73.647	Z=	139.595
926	X=	146.874	Y=	82.335	Z=	157.955
927	X=	130.710	Y=	102.830	Z=	114.500
1001	X=	131.310	Y=	-100.060	Z=	50.000
1002	X=	131.310	Y=	-100.060	Z=	68.500
1003	X=	120.186	Y=	-94.890	Z=	69.582
1004	X=	130.050	Y=	-100.310	Z=	68.500
1005	X=	130.050	Y=	-100.310	Z=	90.250
1006	X=	120.541	Y=	-94.287	Z=	91.035
1007	X=	130.710	Y=	-102.830	Z=	90.250
1008	X=	130.710	Y=	-102.830	Z=	114.000
1009	X=	120.514	Y=	-89.438	Z=	113.010
1010	X=	132.280	Y=	-97.140	Z=	114.000
1011	X=	132.280	Y=	-97.140	Z=	129.000
1012	X=	130.874	Y=	-84.307	Z=	129.420
1013	X=	148.860	Y=	-86.270	Z=	129.000
1014	X=	148.860	Y=	-86.270	Z=	144.500
1015	X=	146.944	Y=	-82.691	Z=	147.917
1016	X=	131.310	Y=	-90.060	Z=	68.500
1017	X=	130.050	Y=	-90.310	Z=	90.250
1018	X=	130.710	Y=	-92.830	Z=	114.000
1019	X=	132.280	Y=	-87.140	Z=	129.000
1020	X=	148.860	Y=	-76.270	Z=	144.500
1021	X=	130.710	Y=	-102.830	Z=	114.500
1022	X=	120.186	Y=	-94.890	Z=	79.582
1023	X=	120.541	Y=	-94.287	Z=	101.035
1024	X=	120.514	Y=	-89.438	Z=	123.010
1025	X=	130.874	Y=	-84.307	Z=	139.420

1026	X	146.944	Y	-82.491	Z	157.917
1027	X	130.710	Y	-102.830	Z	114.500
2224	X	-8.923	Y	5.152	Z	84.208
2225	X	-8.923	Y	5.152	Z	84.208
2226	X	-8.923	Y	-5.152	Z	84.208
2227	X	-8.923	Y	-5.152	Z	84.208
2228	X	-8.923	Y	5.152	Z	84.708
2229	X	-7.508	Y	4.381	Z	84.708
2230	X	-6.117	Y	3.532	Z	84.708
2231	X	-6.117	Y	-3.532	Z	84.708
2232	X	-7.508	Y	-4.381	Z	84.708
2233	X	-8.923	Y	-5.152	Z	84.708
2234	X	-8.923	Y	-5.152	Z	84.708
2235	X	-8.923	Y	5.152	Z	84.708
2236	X	-8.923	Y	5.152	Z	84.708
2237	X	-8.923	Y	-5.152	Z	84.708
2238	X	-8.923	Y	-5.152	Z	84.708
2239	X	-8.923	Y	5.152	Z	84.708
2240	X	-8.923	Y	5.152	Z	84.708
2241	X	-8.923	Y	-5.152	Z	84.708
2242	X	-8.923	Y	-5.152	Z	84.708
2243	X	-8.923	Y	5.152	Z	84.708
2244	X	-8.923	Y	5.152	Z	84.708
2245	X	-8.923	Y	-5.152	Z	84.708
2246	X	-8.923	Y	-5.152	Z	84.708
2247	X	-8.923	Y	5.152	Z	84.708
2248	X	-8.923	Y	5.152	Z	84.708
2250	X	-10.006	Y	3.275	Z	103.828
2251	X	-10.006	Y	3.275	Z	103.828
2252	X	-10.006	Y	-3.275	Z	103.828
2253	X	-10.006	Y	-3.275	Z	103.828
2255	X	-9.548	Y	4.069	Z	103.828
2256	X	-9.548	Y	4.069	Z	103.828
2257	X	-9.548	Y	-4.069	Z	103.828
2258	X	-9.548	Y	-4.069	Z	103.828
2261	X	-0.000	Y	32.333	Z	102.106
2262	X	-0.000	Y	32.333	Z	102.106
2263	X	-0.000	Y	-32.333	Z	102.622
2264	X	-0.000	Y	-32.333	Z	102.622
2265	X	-0.000	Y	32.333	Z	102.747
2266	X	-0.000	Y	32.333	Z	102.747
2267	X	-0.000	Y	-32.333	Z	102.830
2268	X	-0.000	Y	-32.333	Z	102.830
2269	X	-0.000	Y	32.333	Z	103.163
2270	X	-0.000	Y	32.333	Z	103.163
2271	X	-0.000	Y	-32.333	Z	104.125
2272	X	-0.000	Y	-32.333	Z	104.125
2273	X	-0.000	Y	32.333	Z	105.080
2274	X	-0.000	Y	32.333	Z	105.080
2275	X	-0.000	Y	-32.333	Z	106.317
2276	X	-0.000	Y	-32.333	Z	106.317
2277	X	-0.000	Y	32.333	Z	110.035

2278	X=	.000	Y=	-32.333	Z=	110.075
2279	X=	.000	Y=	32.333	Z=	113.755
2280	X=	.000	Y=	-32.333	Z=	113.755
2291	X=	.000	Y=	32.333	Z=	116.005
2292	X=	.000	Y=	-32.333	Z=	116.005
2293	X=	.000	Y=	32.333	Z=	129.080
2294	X=	.000	Y=	-32.333	Z=	129.080
2295	X=	.000	Y=	32.333	Z=	137.057
2296	X=	.000	Y=	-32.333	Z=	137.057
2297	X=	.000	Y=	32.333	Z=	140.630
2298	X=	.000	Y=	-32.333	Z=	140.630
2299	X=	.000	Y=	32.333	Z=	144.203
2300	X=	.000	Y=	-32.333	Z=	144.203
2301	X=	.000	Y=	32.333	Z=	148.663
2302	X=	.000	Y=	-32.333	Z=	148.663
2303	X=	.000	Y=	34.167	Z=	148.663
2304	X=	.000	Y=	-34.167	Z=	148.663
2305	X=	.000	Y=	40.500	Z=	148.663
2306	X=	.000	Y=	-40.500	Z=	148.663
2311	X=	.000	Y=	32.333	Z=	153.997
2312	X=	.000	Y=	-32.333	Z=	153.997
2313	X=	.000	Y=	32.333	Z=	159.402
2314	X=	.000	Y=	-32.333	Z=	159.402
2315	X=	.000	Y=	42.010	Z=	159.402
2316	X=	.000	Y=	-42.010	Z=	159.402
2317	X=	.000	Y=	22.656	Z=	159.402
2318	X=	.000	Y=	-22.656	Z=	159.402
2319	X=	.000	Y=	42.532	Z=	159.402
2320	X=	.000	Y=	-42.532	Z=	159.402
2321	X=	.000	Y=	45.208	Z=	159.402
2322	X=	.000	Y=	-45.208	Z=	159.402
2323	X=	.000	Y=	22.135	Z=	159.402
2324	X=	.000	Y=	-22.135	Z=	159.402
2325	X=	.000	Y=	21.458	Z=	159.402
2326	X=	.000	Y=	-21.458	Z=	159.402
2327	X=	.000	Y=	5.152	Z=	104.120
2328	X=	.000	Y=	-5.152	Z=	104.120
2329	X=	.000	Y=	5.152	Z=	104.120
2330	X=	.000	Y=	-5.152	Z=	104.120
2331	X=	.000	Y=	5.152	Z=	104.120
2332	X=	.000	Y=	-5.152	Z=	104.120
2333	X=	.000	Y=	5.152	Z=	104.250
2334	X=	.000	Y=	-5.152	Z=	104.250
2335	X=	.000	Y=	5.152	Z=	104.250
2336	X=	.000	Y=	-5.152	Z=	104.250
2337	X=	.000	Y=	5.072	Z=	105.340
2338	X=	.000	Y=	-5.072	Z=	105.340
2339	X=	.000	Y=	5.072	Z=	105.340
2340	X=	.000	Y=	-5.072	Z=	105.340
2341	X=	.000	Y=	5.072	Z=	107.250
2342	X=	.000	Y=	-5.072	Z=	107.250
2343	X=	.000	Y=	5.072	Z=	107.250
2344	X=	.000	Y=	-5.072	Z=	107.250
2345	X=	.000	Y=	5.072	Z=	107.250
2346	X=	.000	Y=	-5.072	Z=	107.250
2347	X=	.000	Y=	5.072	Z=	107.250
2348	X=	.000	Y=	-5.072	Z=	107.250
2349	X=	.000	Y=	5.072	Z=	107.250
2350	X=	.000	Y=	-5.072	Z=	107.250
2351	X=	.000	Y=	5.072	Z=	107.250
2352	X=	.000	Y=	-5.072	Z=	107.250
2353	X=	.000	Y=	5.072	Z=	107.250
2354	X=	.000	Y=	-5.072	Z=	107.250
2355	X=	.000	Y=	5.072	Z=	107.250
2356	X=	.000	Y=	-5.072	Z=	107.250
2357	X=	.000	Y=	5.072	Z=	107.250
2358	X=	.000	Y=	-5.072	Z=	107.250

2359	X=	.000	Y=	.000	Z=	107.250
2360	X=	.000	Y=	.000	Z=	119.250
2361	X=	-8.428	Y=	4.866	Z=	107.250
2362	X=	8.428	Y=	4.866	Z=	107.250
2363	X=	-8.428	Y=	-4.866	Z=	107.250
2364	X=	8.428	Y=	-4.866	Z=	107.250
2365	X=	-7.757	Y=	4.479	Z=	107.250
2366	X=	7.757	Y=	4.479	Z=	107.250
2367	X=	-7.757	Y=	-4.479	Z=	107.250
2368	X=	7.757	Y=	-4.479	Z=	107.250
2370	X=	-7.472	Y=	4.270	Z=	107.250
2371	X=	7.472	Y=	4.270	Z=	107.250
2372	X=	-7.472	Y=	-4.270	Z=	107.250
2373	X=	7.472	Y=	-4.270	Z=	107.250
2375	X=	.000	Y=	26.178	Z=	109.480
2376	X=	.000	Y=	-26.178	Z=	109.480
2377	X=	.000	Y=	25.793	Z=	109.136
2378	X=	.000	Y=	-25.793	Z=	109.136
2379	X=	.000	Y=	25.274	Z=	108.770
2380	X=	.000	Y=	-25.274	Z=	108.770
2381	X=	.000	Y=	24.977	Z=	108.560
2382	X=	.000	Y=	-24.977	Z=	108.560
2383	X=	.000	Y=	24.466	Z=	108.199
2384	X=	.000	Y=	-24.466	Z=	108.199
2389	X=	.000	Y=	23.776	Z=	107.791
2390	X=	.000	Y=	-23.776	Z=	107.791
2391	X=	.000	Y=	23.033	Z=	107.493
2392	X=	.000	Y=	-23.033	Z=	107.493
2393	X=	.000	Y=	22.253	Z=	107.311
2394	X=	.000	Y=	-22.253	Z=	107.311
2395	X=	.000	Y=	21.454	Z=	107.250
2396	X=	.000	Y=	-21.454	Z=	107.250
2397	X=	.000	Y=	10.542	Z=	107.250
2398	X=	.000	Y=	-10.542	Z=	107.250
2399	X=	.000	Y=	9.970	Z=	107.250
2400	X=	.000	Y=	-9.970	Z=	107.250
2401	X=	.000	Y=	9.508	Z=	107.250
2402	X=	.000	Y=	-9.508	Z=	107.250
2403	X=	.000	Y=	8.958	Z=	107.250
2404	X=	.000	Y=	-8.958	Z=	107.250
2405	X=	.000	Y=	8.540	Z=	107.250
2406	X=	.000	Y=	-8.540	Z=	107.250
2259	X=	.000	Y=	.000	Z=	.000
2260	X=	.000	Y=	.000	Z=	.000
2281	X=	-7.597	Y=	-4.306	Z=	64.708
2282	X=	7.597	Y=	4.306	Z=	84.708
2283	X=	-7.597	Y=	-4.306	Z=	84.708
2284	X=	7.597	Y=	4.306	Z=	84.708
2285	X=	.000	Y=	32.343	Z=	102.106
2286	X=	.000	Y=	-32.343	Z=	102.106
2287	X=	.000	Y=	.000	Z=	.000
2288	X=	.000	Y=	.000	Z=	.000
2289	X=	.000	Y=	.000	Z=	.000
2290	X=	.000	Y=	.000	Z=	.000
2307	X=	.010	Y=	43.208	Z=	159.402
2308	X=	.010	Y=	-43.208	Z=	159.402
2309	X=	.010	Y=	21.458	Z=	159.402

2310	X=	.010	Y=	-21.458	Z=	159.402
2327	X=	5.000	Y=	.000	Z=	37.000
2328	X=	5.000	Y=	.000	Z=	-8.000
2329	X=	210.000	Y=	.000	Z=	40.000
2330	X=	216.000	Y=	.000	Z=	-8.000
2331	X=	-133.475	Y=	90.030	Z=	40.000
2332	X=	-133.475	Y=	90.030	Z=	110.000
2333	X=	59.007	Y=	149.797	Z=	40.000
2334	X=	59.007	Y=	149.797	Z=	110.000
2339	X=	161.000	Y=	.000	Z=	40.000
2344	X=	161.000	Y=	.000	Z=	110.000
2369	X=	69.752	Y=	-153.120	Z=	40.000
2374	X=	49.722	Y=	-153.120	Z=	110.000
2385	X=	.000	Y=	.000	Z=	40.000
2386	X=	.000	Y=	.000	Z=	.000
2387	X=	.000	Y=	.000	Z=	.000
2388	X=	.000	Y=	.000	Z=	.000
2407	X=	.000	Y=	.000	Z=	.000
2408	X=	.000	Y=	.000	Z=	.000
2409	X=	10.000	Y=	.000	Z=	148.663
2410	X=	10.000	Y=	.000	Z=	159.402
2411	X=	10.000	Y=	.000	Z=	159.402
2412	X=	10.000	Y=	.000	Z=	107.250
2413	X=	.000	Y=	.000	Z=	.000
2414	X=	.000	Y=	.000	Z=	.000
2415	X=	.000	Y=	.000	Z=	.000
2416	X=	.000	Y=	.000	Z=	.100

RESTRAINTS

25	R=	1,1,1,1,1
26	R=	1,1,1,1,1
27	R=	1,1,1,1,1
28	R=	1,1,1,1,1
29	R=	1,1,1,1,1
30	R=	1,1,1,1,1
31	R=	1,1,1,1,1
32	R=	1,1,1,1,1
34	R=	1,1,1,1,1
125	R=	1,1,1,1,1
126	R=	1,1,1,1,1
127	R=	1,1,1,1,1
128	R=	1,1,1,1,1
129	R=	1,1,1,1,1
130	R=	1,1,1,1,1
131	R=	1,1,1,1,1
132	R=	1,1,1,1,1
134	R=	1,1,1,1,1
206	R=	1,1,1,1,1
207	R=	1,1,1,1,1
209	R=	1,1,1,1,1
306	R=	1,1,1,1,1
307	R=	1,1,1,1,1
309	R=	1,1,1,1,1
311	R=	1,1,1,1,1
402	R=	1,1,1,1,1
530	R=	1,1,1,1,1
531	R=	1,1,1,1,1

532 R=1,1,1,1,1,1
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534 R=1,1,1,1,1,1
535 R=1,1,1,1,1,1
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662 R=1,1,1,1,1,1
663 R=1,1,1,1,1,1
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665 R=1,1,1,1,1,1
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668 R=1,1,1,1,1,1
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673 R=1,1,1,1,1,1
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681 R=1,1,1,1,1,1
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684 R=1,1,1,1,1,1
685 R=1,1,1,1,1,1
686 R=1,1,1,1,1,1
687 R=1,1,1,1,1,1
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722 R=1,1,1,1,1,1
723 R=1,1,1,1,1,1
724 R=1,1,1,1,1,1
725 R=1,1,1,1,1,1

726 R=1,1,1,1,1,1,1
 727 R=1,1,1,1,1,1,1
 728 R=1,1,1,1,1,1,1
 729 R=1,1,1,1,1,1,1
 730 736 1 R=1,1,1,1,1,1,1
 820 R=1,1,1,1,1,1,1
 821 R=1,1,1,1,1,1,1
 822 R=1,1,1,1,1,1,1
 823 R=1,1,1,1,1,1,1
 824 R=1,1,1,1,1,1,1
 825 R=1,1,1,1,1,1,1
 826 R=1,1,1,1,1,1,1
 827 R=1,1,1,1,1,1,1
 828 R=1,1,1,1,1,1,1
 829 R=1,1,1,1,1,1,1
 830 836 1 R=1,1,1,1,1,1,1
 916 R=1,1,1,1,1,1,1
 917 R=1,1,1,1,1,1,1
 918 R=1,1,1,1,1,1,1
 919 R=1,1,1,1,1,1,1
 920 R=1,1,1,1,1,1,1
 922 927 1 R=1,1,1,1,1,1,1
 1016 R=1,1,1,1,1,1,1
 1017 R=1,1,1,1,1,1,1
 1018 R=1,1,1,1,1,1,1
 1019 R=1,1,1,1,1,1,1
 1020 R=1,1,1,1,1,1,1
 1022 1027 1 R=1,1,1,1,1,1,1
 2259 2260 1 R=1,1,1,1,1,1,1
 2287 2290 1 R=1,1,1,1,1,1,1
 2327 233 1 R=1,1,1,1,1,1,1
 2337 R=1,1,1,1,1,1,1
 2344 R=1,1,1,1,1,1,1
 2369 R=1,1,1,1,1,1,1
 2376 R=1,1,1,1,1,1,1
 2385 R=1,1,1,1,1,1,1
 2386 2388 1 R=1,1,1,1,1,1,1
 2407 2416 1 R=1,1,1,1,1,1,1
 101 P=1,1,1,1,1,1,1
 201 R=1,1,1,1,1,1,1
 301 R=1,1,1,1,1,1,1
 501 R=1,1,1,1,1,1,1
 701 R=1,1,1,1,1,1,1
 801 R=1,1,1,1,1,1,1
 901 R=1,1,1,1,1,1,1
 1001 R=1,1,1,1,1,1,1

MASSES
 3 M=0.000000e+000, 0.000000e+000, 2.194000e+009,
 2.497000e+009, 0.000000e+000
 6 M=0.000000e+000, 6.941000e+005, 1.436000e+009,
 1.661000e+009, 0.000000e+000
 9 M=0.000000e+000, 3.862 000000e+008,
 5.741000e+008, 0.000000e+000
 12 M=0.000000e+000, 5.827000e+005, 1.304000e+009,
 1.542000e+009, 0.000000e+000

15 M=0.000000e+000,	0.000000e+000,	8.421000e+005,	2.060000e+000
1.755000e+009, 0.000000e+000			
18 M=0.000000e+000,	0.000000e+000,	5.797000e+005,	-53000e+009,
1.623000e+009, 0.000000e+000			
21 M=0.000000e+000,	0.000000e+000,	4.125000e+005,	9.357000e+008,
1.132000e+009, 0.000000e+000			
24 M=0.000000e+000,	0.000000e+000,	3.456000e+005,	7.304000e+008,
7.532000e+008, 0.000000e+000			
103 M=0.000000e+000,	0.000000e+000,	7.678000e+005,	1.658000e+009,
2.944000e+009, 0.000000e+000			
106 M=0.000000e+000,	0.000000e+000,	4.350000e+005,	8.140000e+008,
8.548000e+008, 0.000000e+000			
109 M=0.000000e+000,	0.000000e+000,	7.438000e+005,	1.647000e+009,
2.985000e+009, 0.000000e+000			
112 M=0.000000e+000,	0.000000e+000,	7.199000e+005,	1.602000e+009,
2.965000e+009, 0.000000e+000			
115 M=0.000000e+000,	0.000000e+000,	5.696000e+005,	1.011000e+009,
2.292000e+009, 0.000000e+000			
118 M=0.000000e+000,	0.000000e+000,	5.671000e+005,	9.146000e+008,
2.474000e+009, 0.000000e+000			
121 M=0.000000e+000,	0.000000e+000,	4.219000e+005,	8.447000e+008,
1.707000e+009, 0.000000e+000			
124 M=0.000000e+000,	0.000000e+000,	3.640000e+005,	9.626000e+008,
3.369000e+009, 0.000000e+000			
203 M=0.000000e+000,	0.000000e+000,	1.055000e+005,	3.221000e+007,
1.609000e+008, 0.000000e+000			
205 M=0.000000e+000,	0.000000e+000,	1.394000e+005,	3.294000e+007,
2.227000e+005, 0.000000e+000			
303 M=0.000000e+000,	0.000000e+000,	1.055000e+005,	3.221000e+007,
1.609000e+008, 0.000000e+000			
305 M=0.000000e+000,	0.000000e+000,	1.394000e+005,	3.294000e+007,
2.227000e+005, 0.000000e+000			
503 M=0.000000e+000,	0.000000e+000,	1.566000e+006,	4.508000e+009,
4.554000e+009, 0.000000e+000			
506 M=0.000000e+000,	0.000000e+000,	1.540000e+006,	3.897000e+009,
3.903000e+009, 0.000000e+000			
509 M=0.000000e+000,	0.000000e+000,	6.760000e+005,	1.619000e+009,
1.842000e+009, 0.000000e+000			
512 M=0.000000e+000,	0.000000e+000,	7.325000e+005,	2.156000e+009,
2.234000e+009, 0.000000e+000			
515 M=0.000000e+000,	0.000000e+000,	2.665000e+005,	3.122000e+008,
4.410000e+008, 0.000000e+000			
518 M=0.000000e+000,	0.000000e+000,	4.784000e+005,	8.273000e+008,
7.707000e+008, 0.000000e+000			
521 M=0.000000e+000,	0.000000e+000,	2.550000e+005,	5.395000e+008,
4.254000e+008, 0.000000e+000			
526 M=0.000000e+000,	0.000000e+000,	2.196000e+005,	5.104000e+008,
4.248000e+008, 0.000000e+000			
529 M=0.000000e+000,	0.000000e+000,	8.689000e+004,	1.646000e+008,
1.646000e+008, 0.000000e+000			
632 M=0.00000000000,	0.00000000000,	84560.0000000,	4.853000e+008,
4.853000e+008, 9.681000e+008			
633 M=0.00000000000,	0.00000000000,	1.816470e+005,	1.043000e+009,
1.043000e+009, 2.080000e+009			
634 M=0.00000000000,	0.00000000000,	1.555350e+005,	8.899000e+009,
8.899000e+009, 1.774000e+009			
635 M=0.00000000000,	0.00000000000,	1.454490e+005,	8.270000e+008,

.270000e+008, 1.647000e+009 636 M=0.000000000000,	0.000000000000,	1.710000e+005,	9.451000e+008,
9.451000e+008, 1.081000e+009 637 M=0.000000000000,	0.000000000000,	1.631000e+005,	8.211000e+008,
8.211000e+008, 1.634000e+009 638 M=0.000000000000,	0.000000000000,	1.503000e+005,	6.427000e+008,
6.427000e+008, 1.279000e+009 639 M=0.000000000000,	0.000000000000,	1.330000e+005,	4.448000e+008,
4.448000e+008, 8.852000e+008 640 M=0.000000000000,	0.000000000000,	1.116000e+005,	2.628000e+008,
2.628000e+008, 5.230000e+008 641 M=0.000000000000,	0.000000000000,	8.680000e+004,	1.237000e+008,
1.237000e+008, 2.461000e+008 642 M=0.000000000000,	0.000000000000,	5.938000e+004,	3.959000e+007,
3.959000e+007, 7.878000e+007 643 M=0.000000000000,	0.000000000000,	3.015000e+004,	5.181000e+006,
5.181000e+006, 1.031000e+007 644 M=0.000000000000,	0.000000000000,	3.790000e+003,	8.168000e+004,
8.168000e+004, 1.634000e+005 703 M=0.000000e+000,	0.000000e+000,	9.054000e+004,	2.038000e+007,
3.325000e+007, 0.000000e+000 706 M=0.000000e+000,	0.000000e+000,	1.808000e+005,	1.690000e+007,
5.010000e+007, 0.000000e+000 708 M=0.000000e+000,	0.000000e+000,	9.122000e+004,	1.787000e+007,
6.072000e+007, 0.000000e+000 711 M=0.000000e+000,	0.000000e+000,	9.822000e+004,	2.059000e+007,
7.033000e+007, 0.000000e+000 713 M=0.000000e+000,	0.000000e+000,	1.101000e+005,	4.602000e+007,
9.354000e+007, 0.000000e+000 716 M=0.000000e+000,	0.000000e+000,	5.653000e+004,	2.129000e+007,
5.403000e+007, 0.000000e+000 719 M=0.000000e+000,	0.000000e+000,	8.311000e+004,	3.041000e+007,
5.359000e+007, 0.000000e+000 803 M=0.000000e+000,	0.000000e+000,	9.054000e+004,	2.038000e+007,
3.321000e+007, 0.000000e+000 806 M=0.000000e+000,	0.000000e+000,	1.808000e+005,	1.690000e+007,
5.010000e+007, 0.000000e+000 808 M=0.000000e+000,	0.000000e+000,	9.122000e+004,	1.787000e+007,
6.072000e+007, 0.000000e+000 811 M=0.000000e+000,	0.000000e+000,	9.822000e+004,	2.059000e+007,
7.033000e+007, 0.000000e+000 813 M=0.000000e+000,	0.000000e+000,	1.101000e+005,	4.602000e+007,
9.354000e+007, 0.000000e+000 816 M=0.000000e+000,	0.000000e+000,	5.653000e+004,	2.129000e+007,
5.403000e+007, 0.000000e+000 819 M=0.000000e+000,	0.000000e+000,	8.311000e+004,	3.041000e+007,
5.359000e+007, 0.000000e+000 903 M=0.000000e+000,	0.000000e+000,	5.491000e+005,	1.244000e+009,
1.127000e+009, 0.000000e+000 906 M=0.000000e+000,	0.000000e+000,	5.649000e+005,	1.283000e+009,
1.195000e+009, 0.000000e+000 909 M=0.000000e+000,	0.000000e+000,	4.567000e+005,	8.454000e+008,
9.659000e+008, 0.000000e+000 912 M=0.000000e+000,	0.000000e+000,	2.689000e+005,	3.468000e+008,
3.552000e+008, 0.000000e+000 915 M=0.000000e+000,	0.000000e+000,	2.587000e+005,	4.143000e+008,
2.664000e+008, 0.000000e+000			

1003 M=0.000000e+000, 0.000000e+000, 5.502000e+005, 1.247000e+009,
 1.130000e+009, 0.000000e+000
 1006 M=0.000000e+000, 0.000000e+000, 5.575000e+005, 1.270000e+009,
 1.174000e+009, 0.000000e+000
 1009 M=0.000000e+000, 0.000000e+000, 4.668000e+005, 9.355000e+008,
 9.792000e+008, 0.000000e+000
 1012 M=0.000000e+000, 0.000000e+000, 1.341000e+005, 5.154000e+008,
 4.411000e+008, 0.000000e+000
 1015 M=0.000000e+000, 0.000000e+000, 2.600000e+005, 4.160000e+008,
 2.667000e+008, 0.000000e+000
 2293 M=0.000000e+000, 0.000000e+000, 4.320E+05, 0.0000E+00, 0.0000E+00,
 2294 M=0.000000e+000, 0.000000e+000, 4.320E+05, 0.0000E+00, 0.0000E+00,
 2311 M=0.000000e+000, 0.000000e+000, 1.760E+05, 0.0000E+00, 0.0000E+00,
 2312 M=0.000000e+000, 0.000000e+000, 1.760E+05, 0.0000E+00, 0.0000E+00,
 2357 M=0.000000e+000, 0.000000e+000, 4.748E+05, 0.0000E+00, 0.0000E+00,
 2360 M=0.000000e+000, 0.000000e+000, 3.000E+05, 0.0000E+00, 0.0000E+00,
 400 M=0.0, 0.0, 235016.7

FRAME
MM=72

1 A=4.987000e+003, J=1.119527e+007, I=1.054869e+007, 6.547732
 AS=2.146000e+003, 2.789000e+003, E=586696000, G=250724786
 2 A=4.806000e+003, J=1.043494e+007, I=1.041111e+007, 6.367482
 AS=2.095000e+003, 2.459000e+003, E=586696000, G=250724786
 3 A=5.830000e+003, J=1.524807e+007, I=1.113692e+007, 9.234423
 AS=3.327000e+003, 4.257000e+003, E=586696000, G=250724786
 4 A=5.1226000e+003, J=1.444891e+007, I=1.081151e+007, 8.992158
 AS=2.844000e+003, 3.429000e+003, E=586696000, G=250724786
 5 A=5.915000e+003, J=1.698796e+007, I=1.305362e+007, 8.767666
 AS=3.287000e+003, 4.053000e+003, E=586696000, G=250724786
 6 A=6.699000e+003, J=2.241446e+007, I=1.790624e+007, 9.026020
 AS=4.086000e+003, 4.461000e+003, E=586696000, G=250724786
 7 A=2.568000e+003, J=8.005688e+006, I=6.261442e+006, 6.637766
 AS=1.032000e+003, 1.160000e+003, E=586696000, G=250724786
 8 A=2.368000e+003, J=7.385858e+006, I=6.012829e+006, 6.575424
 AS=1.058000e+003, 1.089000e+003, E=586696000, G=250724786
 9 A=1e+006, J=1e+010, I=1e+010, AS=
 0 E=586696000, G=250724786
 10 A=1e+007, J=1e+000, I=1e+014, AS=
 0 E=586696000, G=250724786
 11 A=5.654000e+003, J=1.371760e+007, I=1.256455e+007, 1.327533
 AS=2.235000e+003, 2.762000e+003, E=586696000, G=250724786
 12 A=5.164000e+003, J=1.260017e+007, I=9.808164e+006, 1.154706
 AS=2.469000e+003, 2.709000e+003, E=586696000, G=250724786
 13 A=6.312000e+003, J=1.579511e+007, I=1.232127e+007, 1.352767
 AS=3.27000e+003, 3.181000e+003, E=586696000, G=250724786
 14 A=3.785000e+003, J=9.459098e+006, I=9.456615e+006, 1.001257
 AS=1.071000e+003, 1.851000e+003, E=586696000, G=250724786
 15 A=4.228000e+003, J=1.206919e+007, I=1.034869e+007, 1.233316
 AS=1.335000e+003, 2.087000e+003, E=586696000, G=250724786
 16 A=3.056000e+003, J=8.827584e+006, I=5.290995e+006, 1.086926
 AS=1.009000e+003, 1.674000e+003, E=586696000, G=250724786
 17 A=2.591000e+003, J=6.296977e+006, I=4.618917e+006, 9.252296
 AS=6.090000e+002, 1.425000e+003, E=586696000, G=250724786
 18 A=2.120000e+003, J=8.163699e+006, I=4.513376e+006, 7.689757
 AS=6.010000e+002, 1.109000e+003, E=586696000, G=250724786
 19 A=1e+006, J=1e+010, I=1e+010, AS=
 0 E=586696000, G=250724786

20	0	E=586696000	G=250724786		
20	A=	1e+007,	J= 1e+010,	1e+014,	AS=
0	0	E=586696000	G=250724786		
21	A=8.640000e+002,	J=9.023740e+005,			
e+006,	AS=1.650000e+002,	7.060000e+002	E=586696000		
22	A=8.640000e+002,	J=8.880630e+005,			
e+006,	AS=1.590000e+002,	7.030000e+002	E=586696000		
23	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
24	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
25	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
26	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
27	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
28	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
29	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
30	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
31	A=8.640000e+002,	J=9.023740e+005,			
e+006,	AS=1.650000e+002,	7.060000e+002	E=586696000		
32	A=8.640000e+002,	J=8.880630e+005,			
e+006,	AS=1.590000e+002,	7.030000e+002	E=586696000		
33	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
34	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
35	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
36	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
37	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
38	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
39	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
40	A=	1e+006,	J= 1e+010,	1e+010,	AS=
0	0	E=586696000	G=250724786		
41	A=1.137700e+001,	J=4.7586698e+007,			
e+007,	AS=5.112000e+003,	5.485000e+003	E=586696000		
42	A=9.545000e+003,	J=5.952722e+007,			
e+007,	AS=4.112000e+003,	4.485000e+003	E=586696000		
43	A=8.591000e+003,	J=5.522520e+007,			
e+007,	AS=3.108000e+003,	3.597000e+003	E=586696000		
44	A=9.706000e+003,	J=5.967774e+007,			
e+007,	AS=3.769000e+003,	4.459000e+003	E=586696000		
45	A=4.727000e+003,	J=1.229509e+007,			
e+006,	AS=2.415000e+003,	2.810000e+003	E=586696000		
46	A=4.048000e+003,	J=1.26906e+007,			
e+006,	AS=1.088000e+003,	1.850000e+003	E=586696000		
47	A=2.574000e+003,	J=7.638804e+006,			
e+006,	AS=6.300000e+002,	1.221000e+003	E=586696000		
0	0	E=586696000	G=250724786		
1	A=	1e+014,			
2	A=2.848780e+005,		1.442632		
G=250724786					
3	A=2.848780e+005,		1.442632		
G=250724786					
4	A=	1e+010,			
5	A=	1e+010,			
6	A=	1e+010,			
7	A=	1e+010,			
8	A=	1e+010,			
9	A=	1e+010,			
10	A=	1e+010,			
11	A=	1e+010,			
12	A=	1e+010,			
13	A=	1e+010,			
14	A=	1e+010,			
15	A=	1e+010,			
16	A=	1e+010,			
17	A=	1e+010,			
18	A=	1e+010,			
19	A=	1e+010,			
20	A=	1e+010,			
21	A=	1e+010,			
22	A=	1e+010,			
23	A=	1e+010,			
24	A=	1e+010,			
25	A=	1e+010,			
26	A=	1e+010,			
27	A=	1e+010,			
28	A=	1e+010,			
29	A=	1e+010,			
30	A=	1e+010,			
31	A=	1e+010,			
32	A=	1e+010,			
33	A=	1e+010,			
34	A=	1e+010,			
35	A=	1e+010,			
36	A=	1e+010,			
37	A=	1e+010,			
38	A=	1e+010,			
39	A=	1e+010,			
40	A=	1e+010,			
41	A=	1e+010,			
42	A=	1e+010,			
43	A=	1e+010,			
44	A=	1e+010,			
45	A=	1e+010,			
46	A=	1e+010,			
47	A=	1e+010,			
48	A=	1e+010,			
49	A=	1e+010,			
50	A=	1e+010,			
51	A=	1e+010,			
52	A=	1e+010,			
53	A=	1e+010,			
54	A=	1e+010,			
55	A=	1e+010,			
56	A=	1e+010,			
57	A=	1e+010,			
58	A=	1e+010,			
59	A=	1e+010,			
60	A=	1e+010,			
61	A=	1e+010,			
62	A=	1e+010,			
63	A=	1e+010,			
64	A=	1e+010,			
65	A=	1e+010,			
66	A=	1e+010,			
67	A=	1e+010,			
68	A=	1e+010,			
69	A=	1e+010,			
70	A=	1e+010,			
71	A=	1e+010,			
72	A=	1e+010,			
73	A=	1e+010,			
74	A=	1e+010,			
75	A=	1e+010,			
76	A=	1e+010,			
77	A=	1e+010,			
78	A=	1e+010,			
79	A=	1e+010,			
80	A=	1e+010,			
81	A=	1e+010,			
82	A=	1e+010,			
83	A=	1e+010,			
84	A=	1e+010,			
85	A=	1e+010,			
86	A=	1e+010,			
87	A=	1e+010,			
88	A=	1e+010,			
89	A=	1e+010,			
90	A=	1e+010,			
91	A=	1e+010,			
92	A=	1e+010,			
93	A=	1e+010,			
94	A=	1e+010,			
95	A=	1e+010,			
96	A=	1e+010,			
97	A=	1e+010,			
98	A=	1e+010,			
99	A=	1e+010,			
100	A=	1e+010,			
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102	A=	1e+010,			
103	A=	1e+010,			
104	A=	1e+010,			
105	A=	1e+010,			
106	A=	1e+010,			
107	A=	1e+010,			
108	A=	1e+010,			
109	A=	1e+010,			
110	A=	1e+010,			
111	A=	1e+010,			
112	A=	1e+010,			
113	A=	1e+010,			
114	A=	1e+010,			
115	A=	1e+010,			
116	A=	1e+010,			
117	A=	1e+010,			
118	A=	1e+010,			
119	A=	1e+010,			
120	A=	1e+010,			
121	A=	1e+010,			
122	A=	1e+010,			
123	A=	1e+010,			
124	A=	1e+010,			
125	A=	1e+010,			
126	A=	1e+010,			
127	A=	1e+010,			
128	A=	1e+010,			
129	A=	1e+010,			
130	A=	1e+010,			
131	A=	1e+010,			
132	A=	1e+010,			
133	A=	1e+010,			
134	A=	1e+010,			
135	A=	1e+010,			
136	A=	1e+010,			
137	A=	1e+010,			
138	A=	1e+010,			
139	A=	1e+010,			
140	A=	1e+010,			
141	A=	1e+010,			
142	A=	1e+010,			
143	A=	1e+010,			
144	A=	1e+010,			
145	A=	1e+010,			
146	A=	1e+010,			
147	A=	1e+010,			
148	A=	1e+010,			
149	A=	1e+010,			
150	A=	1e+010,			
151	A=	1e+010,			
152	A=	1e+010,			
153	A=	1e+010,			
154	A=	1e+010,			
155	A=	1e+010,			
156	A=	1e+010,			
157	A=	1e+010,			
158	A=	1e+010,			
159	A=	1e+010,			
160	A=	1e+010,			
161	A=	1e+010,			
162	A=	1e+010,			
163	A=	1e+010,			
164	A=	1e+010,			
165	A=	1e+010,			
166	A=	1e+010,			
167	A=	1e+010,			
168	A=	1e+010,			
169	A=	1e+010,			
170	A=	1e+010,			
171	A=	1e+010,			
172	A=	1e+010,			
173	A=	1e+010,			
174	A=	1e+010,			
175	A=	1e+010,			
176	A=	1e+010,			
177	A=	1e+010,			
178	A=	1e+010,			
179	A=	1e+010,			
180	A=	1e+010,			
181	A=	1e+010,			
182	A=	1e+010,			
183	A=	1e+010,			
184	A=	1e+010,			
185	A=	1e+010,			
186	A=	1e+010,			
187	A=	1e+010,			
188	A=	1e+010,			
189	A=	1e+010,			
190	A=	1e+010,			
191	A=	1e+010,			
192	A=	1e+010,			
193	A=	1e+010,			
194	A=	1e+010,			
195	A=	1e+010,			
196	A=	1e+010,			
197	A=	1e+010,			
198	A=	1e+010,			
199	A=	1e+010,			
200	A=	1e+010,			

48	A=1.946000e+003	J=7.637295e+006	I=4.947000e+006	AS=
e+006	AS=5.990000e+002	B=0.700000e+002	G=250724786	
49	F=2.034000e+003	J=8.057507e+006	I=5.130000e+006	AS=
e+006	AS=6.530000e+002	B=2.400000e+002	G=250724786	
50	A=1.684000e+003	J=7.565734e+006	I=3.782867e+006	AS=
e+006	AS=5.690000e+002	B=5.600000e+002	G=250724786	
51	A=1e+010	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
52	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
53	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
54	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
55	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
56	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
57	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
58	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
59	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
60	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
61	A=2.689000e+003	J=3.078869e+007	I=1.539434e+007	AS=
e+007	AS=1.345000e+003	B=1.345000e+003	G=250724786	
62	A=2.689000e+003	J=3.078869e+007	I=1.539434e+007	AS=
e+007	AS=1.345000e+003	B=1.345000e+003	G=250724786	
63	A=2.007000e+003	J=2.276931e+007	I=1.138466e+007	AS=
e+007	AS=1.006000e+003	B=1.006000e+003	G=250724786	
64	A=1.350000e+003	J=2.100000e+007	I=1.100000e+007	AS=
e+007	AS=9.500000e+002	B=9.500000e+002	G=250724786	
65	A=9.500000e+002	J=1.676040e+007	I=9.100000e+006	AS=
e+006	AS=8.900000e+002	B=8.900000e+002	G=250724786	
66	A=5.500000e+002	J=1.237401e+007	I=7.200000e+006	AS=
e+006	AS=3.000000e+002	B=3.000000e+002	G=250724786	
67	A=3.000000e+002	J=7.958520e+006	I=4.137000e+006	AS=
e+006	AS=5.000000e+002	B=5.000000e+002	G=250724786	
68	A=2.000000e+002	J=4.246100e+006	I=1.980000e+006	AS=
e+006	AS=3.600000e+002	B=3.600000e+002	G=250724786	
69	A=1.000000e+002	J=1.699405e+006	I=6.960000e+005	AS=
e+005	AS=2.500000e+002	B=2.500000e+002	G=250724786	
70	A=5.000000e+001	J=3.903040e+005	I=1.500000e+005	AS=
e+005	AS=3.000000e+002	B=3.000000e+002	G=250724786	
71	A=3.000000e+001	J=1.491900e+004	I=5.000000e+002	AS=
e+002	AS=3.500000e+001	B=3.500000e+001	G=250724786	
72	A=1.500000e+001	J=7.659000e+003	I=5.000000e+001	AS=
e+001	AS=4.500000e+002	B=4.500000e+002	G=250724786	
73	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
74	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
75	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		
76	A=1e+006	J=1e+010	I=1e+010	AS=
0	E=586696000	G=250724786		

0,	0	E=586696000	G=250724786		
77	A= 1e+006,	J= 1e+010,	I= 1e+010,	1e+010,	AS=
0,	0	E=586696000	G=250724786		
78	A= 1e+006,	J= 1e+010,	I= 1e+010,	1e+010,	AS=
0,	0	E=586696000	G=250724786		
79	A= 1e+006,	J= 1e+010,	I= 1e+010,	1e+010,	AS=
0,	0	E=586696000	G=250724786		
80	A= 1e+006,	J= 1e+010,	I= 1e+010,	1e+010,	AS=
0,	0	E=586696000	G=250724786		
81	A=7.980000e+002,	J=3.124550e+005,	I=1.883600e+005,	2.883420	
e+005,	AS=3.310000e+002,	4.730000e+002	E=586696000	G=250724786	
82	A=6.480000e+002,	J=2.842170e+005,	I=1.788890e+005,	2.526040	
e+005,	AS=3.370000e+002,	3.620000e+002	E=586696000	G=250724786	
83	A=6.480000e+002,	J=2.940030e+005,	I=1.788890e+005,	2.526040	
e+005,	AS=3.370000e+002,	3.490000e+002	E=586696000	G=250724786	
84	A=7.760000e+002,	J=6.885860e+005,	I=2.131970e+005,	7.068540	
e+005,	AS=3.110000e+002,	5.030000e+002	E=586696000	G=250724786	
85	A=7.760000e+002,	J=6.493180e+005,	I=2.131970e+005,	7.068540	
e+005,	AS=2.810000e+002,	4.830000e+002	E=586696000	G=250724786	
86	A=8.160000e+002,	J=7.758760e+005,	I=2.947470e+005,	8.590330	
e+005,	AS=4.440000e+002,	3.250000e+002	E=586696000	G=250724786	
87	A=9.860000e+002,	J=7.854450e+005,	I=3.617980e+005,	8.322510	
e+005,	AS=4.660000e+002,	4.450000e+002	E=586696000	G=250724786	
88	A= 1e+006,	J= 1e+010,	I= 1e+010,	1e+010,	AS=
0,	0	E=586696000	G=250724786		
89	A= 1e+006,	J= 1e+010,	I= 1e+010,	1e+010,	AS=
0,	0	E=586696000	G=250724786		
90	A= 1e+006,	J= 1e+010,	I= 1e+010,	1e+010,	AS=
0,	0	E=586696000	G=250724786		
91	A=7.980000e+002,	J=3.124550e+005,	I=1.883600e+005,	2.883420	
e+005,	AS=3.310000e+002,	4.730000e+002	E=586696000	G=250724786	
92	A=6.480000e+002,	J=2.842170e+005,	I=1.788890e+005,	2.526040	
e+005,	AS=3.370000e+002,	3.620000e+002	E=586696000	G=250724786	
93	A=6.480000e+002,	J=2.940030e+005,	I=1.788890e+005,	2.526040	
e+005,	AS=3.370000e+002,	3.490000e+002	E=586696000	G=250724786	
94	A=7.760000e+002,	J=6.885860e+005,	I=2.131970e+005,	7.068540	
e+005,	AS=3.110000e+002,	5.030000e+002	E=586696000	G=250724786	
95	A=7.760000e+002,	J=6.493180e+005,	I=2.131970e+005,	7.068540	
e+005,	AS=2.810000e+002,	4.830000e+002	E=586696000	G=250724786	
96	A=8.160000e+002,	J=7.758760e+005,	I=2.947470e+005,	8.590330	
e+005,	AS=4.440000e+002,	3.250000e+002	E=586696000	G=250724786	
97	A=9.860000e+002,	J=7.854450e+005,	I=3.617980e+005,	8.322510	
e+005,	AS=4.660000e+002,	4.450000e+002	E=586696000	G=250724786	
98	A= 1e+006,	J= 1e+010,	I= 1e+010,	1e+010,	AS=
0,	0	E=586696000	G=250724786		
99	A=25.00,	J=1.0e+10,	I=1.0E+10,	1.0E+10	AS=0.0,
100	A= 1e+006,	J= 1e+010,	I= 1e+010,	1e+010,	AS=
0,	0	E=586696000	G=250724786		
101	A=2.796000e+003,	J=5.828510e+006,	I=6.780287e+006,	3.889532	
e+006,	AS=1.415000e+003,	1.130000e+003	E=586696000	G=250724786	
102	A=2.826000e+003,	J=6.024443e+006,	I=6.754354e+006,	4.480810	
e+006,	AS=1.383000e+003,	1.158000e+003	E=586696000	G=250724786	
103	A=2.510000e+003,	J=4.765741e+006,	I=5.406196e+006,	4.445845	
e+006,	AS=9.100000e+002,	1.197000e+003	E=586696000	G=250724786	
104	A=2.148000e+003,	J=2.908011e+006,	I=2.901461e+006,	4.030628	
e+006,	AS=1.396000e+003,	6.270000e+002	E=586696000	G=250724786	
105	A=1.588000e+003,	J=1.214056e+006,	I=2.132990e+006,	1.984054	

+006,	AS=7.940000e+002	5.040000e+002	E=586676000	E=250724786	AS=
106,	A=	1e+006,	J=	1e+010,	1e+010,
0,	0	0	E=586696000	G=250724786	AS=
107,	A=	1e+006,	J=	1e+010,	1e+010,
0,	0	0	F=586696000	G=250724786	AS=
108,	A=	1e+006,	J=	1e+010,	1e+010,
0,	0	0	E=586696000	G=250724786	AS=
109,	A=	1e+006,	J=	1e+010,	1e+010,
0,	0	0	E=586696000	G=250724786	AS=
110,	A=	1e+006,	J=	1e+010,	1e+010,
0,	0	0	E=586696000	G=250724786	AS=
111,	A=2.796500e+003,	J=5.828510e+006,		1=6.780287e+006,	3.889532
e+006,	AS=1.415000e+003,	1.130000e+003	E=586696000	G=250724786	
112,	A=2.826000e+003,	J=6.024448e+006,		1=6.794354e+006,	4.480910
e+006,	AS=1.383000e+003,	1.158000e+003	E=586696000	G=250724786	
113,	A=2.510000e+003,	J=4.765741e+006,		1=5.406196e+006,	4.445845
e+006,	AS=9.100000e+002,	1.197000e+003	E=586696000	G=250724786	
114,	A=2.0176000e+003,	J=2.192306e+006,		1=3.499532e+006,	3.637365
e+006,	AS=7.540000e+002,	9.760000e+002	E=586696000	G=250724786	
115,	A=1.588000e+003,	J=1.214105e+006,		1=2.132990e+006,	1.984054
e+006,	AS=7.940000e+002,	5.040000e+002	E=586696000	G=250724786	
116,	A=	1e+006,	J=	1e+010,	AS=
0,	0	0	E=586696000	G=250724786	
117,	A=	1.000,	AS=	1.000,	1.00000
.382E+10	G=	.153E+10		1.00000	I=
118,	A=	1.000	AS=	1.000,	1.00000
.382E+10	G=	.153E+10		1.00000	I=
119,	A=	1.000	AS=	1.000,	1.00009
.382E+10	G=	.153E+10		1.00009	I=
120,	A=	1.000	AS=	1.000,	1.00000
.382E+10	G=	.153E+10		1.00000	I=
121,	A=	29.687	AS=	14.840,	1597.100
.374E+10	G=	.150E+10		14.840	J=
122,	A=	38.785	AS=	19.389,	2475.800
.374E+10	G=	.150E+10		19.389	J=
123,	A=	38.785	AS=	19.389,	2475.800
.374E+10	G=	.150E+10		19.389	J=
124,	A=	47.951	AS=	23.972,	3130.900
.374E+10	G=	.150E+10		23.972	J=
125,	A=	47.951	AS=	23.972,	3130.900
.374E+10	G=	.150E+10		23.972	J=
126,	A=	1.736	AS=	1.736,	.241
.432E+10	G=	.173E+10		1.736	J=
127,	A=	1.333	AS=	1.104,	.156
.432E+10	G=	.173E+10		1.104	J=
128,	A=	101.000	AS=	100.000,	5000.000
.400E+13	G=	.160E+13		100.000	J=
129,	A=	15.417	AS=	12.799,	30.101
.432E+10	G=	.173E+10		12.799	J=
130,	A=	15.417	AS=	12.799,	30.101
.432E+10	G=	.173E+10		12.799	J=
131,	A=	2.396	AS=	1.986,	.557
.432E+10	G=	.173E+10		1.986	J=
132,	A=	10.833	AS=	8.993,	14.439
.432E+10	G=	.173E+10		8.993	J=
133,	A=	10.833	AS=	8.993,	14.439
.432E+10	G=	.173E+10		8.993	J=

134	A=	4.375	AS=	3.632,	3.632	J=	2.536	I=	1.117,	2.279	E=
		.432E+10	G=	.173E+10							
135	A=	4.222	AS=	3.507,	3.507	J=	2.334	I=	1.003,	2.199	E=
		.432E+10	G=	.173E+10							
136	A=	9.090	AS=	4.542,	4.542	J=	27.832	I=	13.916,	13.916	E=
		.432E+10	G=	.173E+10							
137	A=	10.924	AS=	5.458,	5.458	J=	38.646	I=	19.323,	19.323	E=
		.432E+10	G=	.173E+10							
138	A=	10.924	AS=	2.728,	3.507	J=	38.646	I=	.293,	.618	E=
		.432E+10	G=	.173E+10							
139	A=	.321	AS=	.001,	.001	J=	.0001	I=	.0001,	.0001	E=
		.432E+10	G=	.173E+10							
140	A=	.527	AS=	.000,	4.991	J=	80.739	I=	.620,	8.092	E=
		.389E+10	G=	.156E+10							
141	A=	17.715	AS=	8.854,	8.854	J=	160.630	I=	80.319,	80.319	E=
		.418E+10	G=	.167E+10							
142	A=	16.611	AS=	8.306,	8.306	J=	151.150	I=	75.577,	75.577	E=
		.374E+10	G=	.150E+10							
143	A=	4.340	AS=	2.174,	2.174	J=	29.787	I=	14.893,	14.893	E=
		.374E+10	G=	.150E+10							
144	A=	3.757	AS=	1.875,	1.875	J=	18.978	I=	9.489,	9.489	E=
		.374E+10	G=	.150E+10							
145	A=	19.167	AS=	9.583,	9.583	J=	68.190	I=	26.645,	34.105	E=
		.374E+10	G=	.150E+10							
146	A=	4.2.167	AS=	21.083,	21.083	J=	1163.500	I=	581.780,	581.780	E=
		.374E+10	G=	.150E+10							
147	A=	41.590	AS=	20.799,	20.799	J=	20.3.500	I=	1031.700,	1031.700	E=
		.374E+10	G=	.150E+10							
148	A=	185.220	AS=	151.450,	151.450	J=	5636.000	I=	2818.000,	2818.000	E=
		.374E+10	G=	.150E+10							
149	A=	21.194	AS=	10.597,	10.597	J=	1390.500	I=	695.250,	695.250	E=
		.374E+10	G=	.150E+10							
150	A=	21.194	AS=	10.597,	10.597	J=	1390.500	I=	695.250,	695.250	E=
		.389E+10	G=	.156E+10							
151	A=	33.618	AS=	16.812,	16.812	J=	2424.400	I=	1212.200,	1212.200	E=
		.374E+10	G=	.150E+10							
152	A=	37.278	AS=	18.639,	18.639	J=	3299.900	I=	1649.900,	1649.900	E=
		.374E+10	G=	.150E+10							
153	A=	29.687	AS=	14.840,	14.840	J=	1597.190	I=	798.550,	798.550	E=
		.374E+10	G=	.150E+10							
154	A=	29.826	AS=	14.910,	14.910	J=	2928.500	I=	1464.200,	1464.200	E=
		.389E+10	G=	.156E+10							
155	A=	29.826	AS=	14.910,	14.910	J=	2928.500	I=	1464.200,	1464.200	E=
		.374E+10	G=	.150E+10							
156	A=	1.060	AS=	.694,	.694	J=	.0001	I=	.0001,	.0001	E=
		.432E+10	G=	.173E+10							
157	A=	.224	AS=	.694,	.694	J=	.482	I=	.482,	.482	E=
		.432E+10	G=	.173E+10							
158	A=	.694	AS=	.374,	.374	J=	.482	I=	.012,	.012	E=
		.432E+10	G=	.173E+10							
159	A=	30.521	AS=	15.264,	15.264	J=	3006.400	I=	1503.200,	1503.200	E=
		.374E+10	G=	.150E+10							
160	A=	12.417	AS=	1.576,	1.576	J=	62.563	I=	.352,	.719	E=
		.432E+10	G=	.173E+10							
161	A=	12.417	AS=	6.208,	6.208	J=	62.563	I=	31.281,	31.281	E=
		.432E+10	G=	.173E+10							
162	A=	8.181	AS=	4.090,	4.090	J=	35.667	I=	17.834,	17.834	E=
		.432E+10	G=	.173E+10							

113	113	M=15, 15, 1	LP= 0, 129
114	114	M=19, 19, 1	LP= 0, 124
115	115	M=19, 19, 1	LP= 0, 129
116	116	M=16, 16, 1	LP= 0, 130
117	117	M=19, 19, 1	LP= 0, 130
118	118	M=19, 19, 1	LP= 0, 130
119	119	M=17, 17, 1	LP= 0, 131
120	120	M=19, 19, 1	LP= 0, 131
121	121	M=19, 19, 1	LP= 0, 131
122	122	M=18, 18, 1	LP= 0, 132
123	123	M=19, 19, 1	LP= 0, 132
124	124	M=14, 14, 1	LP= 0, 128
125	125	M=21, 21, 1	LP= 0, 206
201	201	M=23, 23, 1	LP= 0, 206
202	202	M=22, 22, 1	LP= 0, 207
203	203	M=23, 23, 1	LP= 0, 207
204	204	M=23, 23, 1	LP= 0, 207
205	205	M=31, 31, 1	LP= 0, 306
301	301	M=33, 33, 1	LP= 0, 306
302	302	M=32, 32, 1	LP= 0, 307
303	303	M=33, 33, 1	LP= 0, 307
304	304	M=32, 32, 1	LP= 0, 307
305	305	M=99, 99, 1	LP= 0, 402
401	401	M=61, 61, 1	LP= 0, 530
501	501	M=51, 51, 1	LP= 0, 530
502	502	M=51, 51, 1	LP= 0, 530
503	503	M=51, 51, 1	LP= 0, 530
504	504	M=42, 42, 1	LP= 0, 531
505	505	M=51, 51, 1	LP= 0, 531
506	506	M=51, 51, 1	LP= 0, 531
507	507	M=43, 43, 1	LP= 0, 532
508	508	M=51, 51, 1	LP= 0, 532
509	509	M=51, 51, 1	LP= 0, 532
510	510	M=44, 44, 1	LP= 0, 533
511	511	M=51, 51, 1	LP= 0, 533
512	512	M=51, 51, 1	LP= 0, 533
513	513	M=45, 45, 1	LP= 0, 534
514	514	M=51, 51, 1	LP= 0, 534
515	515	M=51, 51, 1	LP= 0, 534
516	516	M=46, 46, 1	LP= 0, 535
517	517	M=51, 51, 1	LP= 0, 535
518	518	M=51, 51, 1	LP= 0, 535
519	519	M=47, 47, 1	LP= 0, 536
520	520	M=51, 51, 1	LP= 0, 536
521	521	M=51, 51, 1	LP= 0, 536
522	522	M=48, 48, 1	LP= 0, 537
523	523	M=51, 51, 1	LP= 0, 537
524	524	M=49, 49, 1	LP= 0, 538
525	525	M=51, 51, 1	LP= 0, 538
526	526	M=51, 51, 1	LP= 0, 538
527	527	M=50, 50, 1	LP= 0, 539
528	528	M=51, 51, 1	LP= 0, 539
529	529	M=42, 42, 1	LP= 0, 531
530	530	M=42, 42, 1	LP= 0, 531
531	531	M=43, 43, 1	LP= 0, 532
532	532	M=43, 43, 1	LP= 0, 532
533	533	M=43, 43, 1	LP= 0, 532
534	534	M=47, 47, 1	LP= 0, 536
535	535	M=47, 47, 1	LP= 0, 536
546	546	M=47, 47, 1	LP= 0, 536

601	632	633	M=61,61, 1	LP= 0,645
602	633	634	M=62,62, 1	LP= 0,646
603	634	688	M=63,63, 1	LP= 0,647
604	635	689	M=64,64, 1	LP= 0,648
605	636	690	M=65,65, 1	LP= 0,649
606	637	638	M=66,66, 1	LP= 0,650
607	638	649	M=67,67, 1	LP= 0,651
608	639	640	M=68,68, 1	LP= 0,652
609	640	641	M=69,69, 1	LP= 0,653
610	641	642	M=70,70, 1	LP= 0,654
611	642	643	M=71,71, 1	LP= 0,655
612	643	644	M=72,72, 1	LP= 0,656
613	688	635	M=63,63, 1	LP= 0,647
614	689	636	M=64,64, 1	LP= 0,648
615	690	637	M=65,65, 1	LP= 0,649
701	701	702	M=81,81, 1	LP= 0,720
702	702	703	M=82,82, 1	LP= 0,720
703	702	704	M=88,88, 1	LP= 0,720
704	704	705	M=82,82, 1	LP= 0,721
705	705	706	M=88,88, 1	LP= 0,721
706	705	707	M=83,83, 1	LP= 0,722
707	707	708	M=85,85, 1	LP= 0,722
708	707	709	M=88,88, 1	LP= 0,722
709	709	710	M=84,84, 1	LP= 0,723
710	710	711	M=88,88, 1	LP= 0,723
711	710	712	M=85,85, 1	LP= 0,724
712	712	713	M=88,88, 1	LP= 0,724
713	712	714	M=88,88, 1	LP= 0,724
714	714	715	M=86,86, 1	LP= 0,725
715	715	716	M=88,88, 1	LP= 0,725
716	715	717	M=88,88, 1	LP= 0,725
717	717	718	M=87,87, 1	LP= 0,726
718	718	719	M=88,88, 1	LP= 0,726
801	801	802	M=91,91, 1	LP= 0,820
802	802	803	M=98,98, 1	LP= 0,820
803	802	804	M=98,98, 1	LP= 0,820
804	804	805	M=92,92, 1	LP= 0,821
805	805	806	M=98,98, 1	LP= 0,821
806	805	807	M=93,93, 1	LP= 0,822
807	807	808	M=98,98, 1	LP= 0,822
808	807	809	M=98,98, 1	LP= 0,822
809	809	810	M=94,94, 1	LP= 0,823
810	810	811	M=98,98, 1	LP= 0,823
811	810	812	M=95,95, 1	LP= 0,824
812	812	813	M=98,98, 1	LP= 0,824
813	812	814	M=98,98, 1	LP= 0,824
814	814	815	M=96,96, 1	LP= 0,825
815	815	816	M=98,98, 1	LP= 0,825
816	815	817	M=98,98, 1	LP= 0,825
817	817	818	M=97,97, 1	LP= 0,826
818	818	819	M=98,98, 1	LP= 0,826
901	901	902	M=101,101, 1	LP= 0,916
902	902	903	M=106,106, 1	LP= 0,916
903	902	904	M=106,106, 1	LP= 0,916
904	904	905	M=102,102, 1	LP= 0,917
905	905	906	M=106,106, 1	LP= 0,917
906	905	907	M=106,106, 1	LP= 0,917

907	907	921	M=103, 105, 1	LP= 0, 918
908	908	909	M=106, 106, 1	LP= 0, 918
909	908	910	M=106, 106, 1	LP= 0, 915
910	910	911	M=104, 104, 1	LP= 0, 919
911	911	912	M=105, 106, 1	LP= 0, 915
912	911	913	M=106, 106, 1	LP= 0, 919
913	913	914	M=105, 105, 1	LP= 0, 920
914	914	915	M=106, 106, 1	LP= 0, 920
915	921	908	M=103, 103, 1	LP= 0, 918
1001	1001	1002	M=111, 111, 1	LP= 0, 1016
1002	1002	1003	M=116, 116, 1	LP= 0, 1016
1003	1002	1004	M=116, 116, 1	LP= 0, 1016
1004	1004	1005	M=112, 112, 1	LP= 0, 1017
1005	1005	1006	M=116, 116, 1	LP= 0, 1017
1006	1005	1007	M=116, 116, 1	LP= 0, 1017
1007	1007	1021	M=113, 113, 1	LP= 0, 1018
1008	1008	1009	M=116, 116, 1	LP= 0, 1018
1009	1008	1010	M=116, 116, 1	LP= 0, 1018
1010	1010	1011	M=114, 114, 1	LP= 0, 1019
1011	1011	1012	M=116, 116, 1	LP= 0, 1019
1012	1011	1013	M=116, 116, 1	LP= 0, 1019
1013	1013	1014	M=115, 115, 1	LP= 0, 1020
1014	1014	1015	M=116, 116, 1	LP= 0, 1020
1015	1015	1021	M=113, 113, 1	LP= 0, 1018
1101	1	501	M= 20, 20, 1	LP= 0, 502
1102	101	501	M= 20, 20, 1	LP= 0, 502
1103	201	501	M= 20, 20, 1	LP= 0, 502
1104	501	501	M= 20, 20, 1	LP= 0, 502
1105	632	512	M= 20, 20, 1	LP= 0, 511
1106	701	501	M= 20, 20, 1	LP= 0, 502
1107	801	501	M= 20, 20, 1	LP= 0, 502
1108	901	501	M= 20, 20, 1	LP= 0, 502
1109	1001	501	M= 20, 20, 1	LP= 0, 502
1111	401	506	M= 20, 20, 1	LP= 0, 400
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1202	6	506	M=10, 10, 1	LP=0, 35
1203	9	541	M=10, 10, 1	LP=0, 36
1204	12	512	M=10, 10, 1	LP=0, 37
1205	15	633	M=10, 10, 1	LP=0, 38
1206	18	634	M=10, 10, 1	LP=0, 39
1207	21	699	M=10, 10, 1	LP=0, 40
1208	24	690	M=10, 10, 1	LP=0, 41
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1211	106	540	M=10, 10, 1	LP=0, 135
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1214	115	633	M=10, 10, 1	LP=0, 138
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1221	303	503	M=10, 10, 1	LP=0, 309
1222	305	506	M=10, 10, 1	LP=0, 310
1223	308	540	M=10, 10, 1	LP=0, 311

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1513	105	308	M=10,10,1	LP=0, 301
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1523	712	911	M=10,10,1	LP=0, 910
1524	715	914	M=10,10,1	LP=0, 913
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1527	807	1021	M=10,10,1	LP=0, 1007
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1534	908	1008	M=10,10,1	LP=0, 1007
1535	911	1011	M=10,10,1	LP=0, 1010
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CE SYSTEM 80 + VERTICAL MODEL

SYSTEM DATA

EXECUTION CODE - - - - - 0
NUMBER OF LOAD CONDITIONS - - - - - 1
STEADY STATE LOAD FREQUENCY - - - - - .0000E+00
NUMBER OF EIGENVALUES - - - - - 20
EIGEN CONVERGENCE TOLERANCE - - - - - .1000E-03
EIGEN CUTOFF TIME PERIOD - - - - - .0000E+00

DESIGN VERIFICATION	
CLIENT	ABB CE
JOB NO.	5663 00013
CALC/PROB NO.	STE-01
BY: LHM	DATE 9/26/92
CHKD. SAD	DATE 7/14/92

CE SYSTEM 80 + VERTICAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
1	-163.740	70.220	50.000
2	-163.740	70.220	68.500
3	-140.518	84.316	69.527
4	-161.390	71.760	68.500
5	-161.390	71.760	90.250
6	-145.324	74.308	90.000
7	-155.780	73.400	90.250
8	-155.780	73.400	101.000
9	-159.121	60.210	103.688
10	-153.700	74.700	101.000
11	-153.700	74.700	114.000
12	-140.621	73.851	115.518
13	-158.160	67.580	114.000
14	-158.160	67.580	129.000
15	-149.677	68.133	129.128
16	-161.740	76.240	129.000
17	-161.740	76.240	144.500
18	-139.615	78.777	145.386
19	-146.120	91.350	144.500
20	-146.120	91.350	168.500
21	-132.682	80.203	169.092
22	-148.610	89.490	168.500
23	-148.610	89.490	189.500
24	-144.299	80.625	188.196
25	-163.740	80.220	68.500
26	-161.390	81.760	90.250
27	-155.780	83.400	101.000
28	-153.700	84.700	114.000
29	-158.160	77.580	129.000
30	-161.740	86.240	144.500
31	-146.120	101.350	168.500
32	-148.610	99.490	189.500
33	-161.390	71.760	79.500
34	-140.518	84.316	79.527
35	-145.324	74.308	100.000
36	-159.121	60.210	113.688
37	-140.621	73.851	125.518
38	-149.677	68.133	139.128
39	-139.615	78.777	155.386
40	-132.682	80.203	179.092
41	-144.299	80.625	198.196
42	-161.390	71.760	89.500
101	-180.510	-72.850	50.000
102	-180.510	-72.850	68.500
103	-159.810	-79.010	68.067
104	-186.020	-79.350	68.500
105	-186.020	-79.350	79.500
106	-187.132	-66.738	80.645
107	-182.640	-68.950	79.500
108	-182.640	-68.950	90.250
109	-156.043	-80.364	92.029
110	-163.430	-84.640	90.250

CE SYSTEM 80 + VERTICAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
111	-163.430	-84.640	114.000
112	-152.395	-79.224	113.762
113	-167.450	-83.960	114.000
114	-167.450	-83.960	129.000
115	-153.921	-71.154	129.474
116	-170.160	-77.190	129.000
117	-170.160	-77.190	144.500
118	-154.702	-69.301	145.913
119	-172.650	-77.260	144.500
120	-172.650	-77.260	168.500
121	-179.400	-66.999	168.613
122	-179.400	-74.200	168.500
123	-179.400	-74.200	189.500
124	-168.016	-67.437	188.465
125	-180.510	-62.850	68.500
126	-186.020	-69.350	79.500
127	-182.640	-58.950	90.250
128	-163.430	-74.640	114.000
129	-167.450	-73.960	129.000
130	-170.160	-67.190	144.500
131	-172.650	-67.260	168.500
132	-179.400	-64.200	189.500
133	-163.430	-84.640	101.000
134	-159.810	-79.010	78.067
135	-187.132	-66.738	90.645
136	-156.043	-80.364	102.029
137	-152.395	-79.224	123.762
138	-153.921	-71.154	139.474
139	-154.702	-69.301	155.913
140	-169.388	-66.999	178.613
141	-168.016	-67.437	198.465
142	-163.430	-84.640	111.000
201	-60.000	146.830	50.000
202	-60.000	146.830	68.500
203	-60.000	145.758	70.043
204	-60.000	146.830	90.250
205	-67.169	143.491	91.696
206	-60.000	156.830	68.500
207	-60.000	156.830	90.250
209	-60.000	145.758	80.043
210	-67.169	143.491	101.696
301	-60.000	-146.830	50.000
302	-60.000	-146.830	68.500
303	-60.000	-145.758	70.043
304	-60.000	-146.830	90.250
305	-67.169	-143.491	91.696
306	-60.000	-136.830	68.500
307	-60.000	-136.830	90.250
308	-60.000	-146.830	79.500
309	-60.000	-145.758	80.043
310	-67.169	-143.491	101.696
311	-60.000	-146.830	89.500

CE SYSTEM 80 + VERTICAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
400	.000	.000	174.700
401	.000	.000	91.750
402	.000	10.000	91.750
501	1.150	.000	50.000
502	1.150	.000	68.500
503	-.632	-.021	70.193
504	-3.150	.000	68.500
505	-3.150	.000	90.250
506	-.520	-.015	88.089
507	-.400	.000	90.250
508	-.400	.000	104.500
509	-5.867	.216	104.510
510	-4.310	.820	104.500
511	-4.310	.820	114.000
512	-2.118	.395	114.133
513	-8.740	1.760	114.000
514	-8.740	1.760	120.000
515	-7.738	2.033	126.730
516	-8.930	1.470	120.000
517	-8.930	1.470	144.500
518	-1.169	1.029	143.586
519	3.190	2.970	144.500
520	3.190	2.970	164.330
521	-.290	5.816	165.700
522	.340	5.140	164.330
523	.340	5.140	178.000
524	-2.180	3.470	178.000
525	-2.180	3.470	191.330
526	-1.674	1.243	189.429
527	.000	.000	191.330
528	.000	.000	210.000
529	2.959	2.959	208.122
530	1.150	10.000	68.500
531	-3.150	10.000	90.250
532	-.400	10.000	104.500
533	-4.310	10.820	114.000
534	-8.740	11.760	120.000
535	-8.930	11.470	144.500
536	3.190	12.970	164.330
537	.340	15.140	178.000
538	-2.180	13.470	191.330
539	.000	10.000	210.000
540	-3.150	.000	79.500
541	-.400	.000	101.000
542	-3.150	.000	84.208
543	-.400	.000	102.106
544	-.400	.000	103.828
545	3.190	2.970	148.663
546	3.190	2.970	159.402
632	.000	.000	115.500
633	.000	.000	129.000
634	.000	.000	144.500

CL SYSTEM 80 + VERTICAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
635	.000	.000	157.000
636	.000	.000	175.490
637	.000	.000	193.430
638	.000	.000	210.250
639	.000	.000	225.460
640	.000	.000	238.580
641	.000	.000	249.230
642	.000	.000	257.080
643	.000	.000	261.880
644	.000	.000	263.500
645	.000	10.000	.000
646	.000	10.000	.000
647	.000	10.000	.000
648	.000	10.000	.000
649	.000	10.000	.000
650	.000	10.000	.000
651	.000	10.000	.000
652	.000	10.000	.000
653	.000	10.000	.000
654	.000	10.000	.000
655	.000	10.000	.000
656	.000	10.000	.000
657	.000	10.000	.000
658	.000	10.000	.000
659	.000	10.000	.000
660	.000	10.000	.000
661	.000	10.000	.000
662	.000	10.000	.000
663	.000	10.000	.000
664	.000	10.000	.000
665	.000	10.000	.000
666	.000	10.000	.000
667	.000	10.000	.000
668	.000	10.000	.000
669	.000	10.000	.000
670	.000	10.000	.000
671	.000	10.000	.000
672	.000	10.000	.000
673	.000	10.000	.000
674	.000	10.000	.000
675	.000	10.000	.000
676	.000	10.000	129.000
677	.000	10.000	144.500
678	.000	10.000	157.000
679	.000	10.000	175.490
680	.000	10.000	193.430
681	.000	10.000	210.250
682	.000	10.000	225.460
683	.000	10.000	238.580
684	.000	10.000	249.230
685	.000	10.000	257.080
686	.000	10.000	261.880

CE SYSTEM 80 + VERTICAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
687	.000	10.000	263.500
688	.000	.000	154.500
689	.000	.000	168.500
690	.000	.000	189.500
701	26.680	143.280	50.000
702	26.680	143.280	68.500
703	28.971	144.076	69.773
704	30.000	144.890	68.500
705	30.000	144.890	90.250
706	30.000	142.190	87.655
707	30.000	144.890	104.500
708	17.397	143.321	104.399
709	17.680	146.280	104.500
710	17.680	146.280	114.000
711	18.410	143.961	115.310
712	17.680	146.280	129.000
713	21.319	137.316	131.561
714	22.750	143.750	129.000
715	22.750	143.750	144.500
716	23.458	140.409	144.995
717	24.070	137.370	144.500
718	24.070	137.370	154.500
719	22.488	132.054	154.255
720	26.680	153.280	68.500
721	30.000	154.890	90.250
722	30.000	154.890	104.500
723	17.680	156.280	114.000
724	17.680	156.280	129.000
725	22.750	153.750	144.500
726	24.070	147.370	154.500
727	25.150	166.570	144.500
728	24.480	150.790	154.500
729	20.000	147.170	90.250
730	28.971	144.076	79.773
731	30.000	142.190	97.655
732	17.397	143.321	114.399
733	18.410	143.961	125.310
734	21.319	137.316	141.561
735	23.458	140.409	154.995
736	22.488	132.054	164.255
801	26.680	-143.280	50.000
802	26.680	-143.280	68.500
803	28.971	-144.076	69.773
804	30.000	-144.890	68.500
805	30.000	-144.890	90.250
806	30.000	-142.190	87.655
807	30.000	-144.890	104.500
808	17.397	-143.321	104.399
809	17.680	-146.280	104.500
810	17.680	-146.280	114.000
811	18.410	-143.961	115.310
812	17.680	-146.280	129.000

CE SYSTEM 80 + VERTICAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
813	21.319	-137.316	131.561
814	22.750	-143.750	129.000
815	22.750	-143.750	144.500
916	23.458	-140.409	144.995
817	24.070	-137.370	144.500
818	24.070	-157.370	154.500
819	22.488	-132.054	154.255
820	26.680	-133.280	68.500
821	30.000	-134.890	90.250
822	30.000	-134.890	104.500
823	17.680	-136.280	14.000
824	17.680	-136.280	29.000
825	22.750	-133.750	144.500
826	24.070	-127.370	154.500
827	25.150	-146.570	144.500
828	24.480	-130.790	154.500
82'	20.000	-147.170	90.250
830	28.971	-144.076	79.773
831	30.000	-142.190	97.655
832	17.397	-143.321	114.399
833	18.410	-143.961	125.310
834	21.319	-137.316	141.561
835	23.458	-140.409	154.995
836	22.488	-132.054	164.255
901	131.310	100.060	50.000
902	131.310	100.060	68.500
903	120.100	94.890	69.574
904	130.050	100.310	68.500
905	130.050	100.310	90.250
906	120.046	94.829	91.111
907	130.710	102.830	90.250
908	130.710	102.830	114.000
909	122.450	85.417	112.028
910	133.000	86.390	114.000
911	133.000	86.390	129.000
912	136.263	73.647	129.595
913	148.860	86.270	129.000
914	148.860	86.270	144.500
915	146.874	82.335	147.955
916	131.310	110.060	68.500
917	130.050	110.310	90.250
918	130.710	112.830	114.000
919	133.000	96.390	129.000
920	148.860	96.270	144.500
921	130.710	102.830	104.500
922	120.100	94.890	79.574
923	120.046	94.829	101.111
924	122.450	85.417	122.028
925	136.263	73.647	139.595
926	146.874	82.335	157.955
927	130.710	102.830	114.500
1001	131.310	-100.060	50.000

CE SYSTEM 80 + VERTICAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
1002	131.310	-100.060	68.500
1003	120.186	-94.890	69.582
1004	130.050	-100.310	68.500
1005	130.050	-100.310	90.250
1006	120.541	-94.287	91.035
1007	130.710	-102.830	90.250
1008	130.710	-102.830	114.000
1009	120.514	-89.418	113.010
1010	132.280	-97.140	114.000
1011	132.280	-97.140	129.000
1012	130.874	-84.307	129.420
1013	148.860	-86.270	129.000
1014	148.860	-86.270	144.500
1015	146.944	-82.491	147.917
1016	131.310	-90.060	68.500
1017	130.050	-90.310	90.250
1018	130.710	-92.830	114.000
1019	132.280	-87.140	129.000
1020	148.860	-76.270	144.500
1021	130.710	-102.830	104.500
1022	120.186	-94.890	79.582
1023	120.541	-94.287	101.035
1024	120.514	-89.418	123.010
1025	130.874	-84.307	139.420
1026	146.944	-82.491	157.917
1027	130.710	-102.830	114.500
2221	-8.923	-5.152	84.708
2222	-7.588	-4.381	84.708
2223	-6.117	-3.532	84.708
2224	-8.923	5.152	84.208
2225	8.923	5.152	84.208
2226	-8.923	-5.152	84.208
2227	8.923	-5.152	84.208
2228	6.117	-3.532	84.708
2229	7.587	-4.381	84.708
2230	8.923	-5.152	84.708
2231	-8.923	5.152	84.708
2232	-7.588	4.381	84.708
2233	-6.117	3.532	84.708
2234	.000	.000	84.708
2235	-8.923	5.152	85.041
2236	8.923	5.152	85.041
2237	-8.923	-5.152	85.041
2238	8.923	-5.152	85.041
2239	.000	.000	86.677
2240	-8.923	5.152	103.036
2241	8.923	5.152	103.036
2242	-8.923	-5.152	103.036
2243	8.923	-5.152	103.036
2244	6.117	3.532	84.708
2245	-8.923	5.152	103.828
2246	8.923	5.152	103.828

CE SYSTEM 80 + VERTICAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
2247	-8.923	-5.152	103.828
2248	8.923	-5.152	103.828
2249	7.588	-4.381	84.708
2250	-10.006	3.275	103.828
2251	10.006	3.275	103.828
2252	-10.006	-3.275	103.828
2253	10.006	-3.275	103.828
2254	8.923	5.152	84.708
2255	-9.548	4.069	103.828
2256	9.548	4.069	103.828
2257	-9.548	-4.069	103.828
2258	9.548	-4.069	103.828
2259	.000	.000	.000
2260	.000	.000	.000
2261	.000	32.333	102.106
2262	.000	-32.333	102.106
2263	.000	32.333	102.622
2264	.000	-32.333	102.622
2265	.000	32.333	102.747
2266	.000	-32.333	102.747
2267	.000	32.333	102.830
2268	.000	-32.333	102.830
2269	.000	32.333	103.163
2270	.000	-32.333	103.163
2271	.000	32.333	104.125
2272	.000	-32.333	104.125
2273	.000	32.333	105.080
2274	.000	-32.333	105.080
2275	.000	32.333	106.317
2276	.000	-32.333	106.317
2277	.000	32.333	110.035
2278	.000	-32.333	110.035
2279	.000	32.333	113.755
2280	.000	-32.333	113.755
2281	-7.597	-4.386	84.708
2282	-7.597	4.386	84.708
2283	7.597	-4.386	84.708
2284	7.597	4.386	84.708
2285	.000	32.343	102.106
2286	.000	-32.343	102.106
2287	.000	.000	.000
2288	.000	.000	.000
2289	.000	.000	.000
2290	.000	.000	.000
2291	.000	32.333	116.005
2292	.000	-32.333	116.005
2293	.000	32.333	129.080
2294	.000	-32.333	129.080
2295	.000	32.333	137.057
2296	.000	-32.333	137.057
2297	.000	32.333	140.630
2298	.000	-32.333	140.630

CE SYSTEM 80 + VERTICAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
2299	.000	32.333	144.203
2300	.000	-32.333	144.203
2301	.000	32.333	148.663
2302	.000	-32.333	148.663
2303	.000	34.167	148.663
2304	.000	-34.167	148.663
2305	.000	40.500	148.663
2306	.000	-40.500	148.663
2307	.010	43.208	159.402
2308	.010	-43.208	159.402
2309	.010	21.458	159.402
2310	.010	-21.458	159.402
2311	.000	32.333	153.997
2312	.000	-32.333	153.997
2313	.000	32.333	159.402
2314	.000	-32.333	159.402
2315	.000	42.010	159.402
2316	.000	-42.010	159.402
2317	.000	22.656	159.402
2318	.000	-22.656	159.402
2319	.000	42.532	159.402
2320	.000	-42.532	159.402
2321	.000	43.208	159.402
2322	.000	-43.208	159.402
2323	.000	22.135	159.402
2324	.000	-22.135	159.402
2325	.000	21.458	159.402
2326	.000	-21.458	159.402
2327	5.000	.000	37.000
2328	5.000	.000	-8.000
2329	216.000	.000	40.000
2330	216.000	.000	-8.000
2331	-133.475	10.030	40.000
2332	-133.475	90.030	110.000
2333	59.007	149.797	40.000
2334	59.007	149.797	110.000
2335	-8.923	5.152	104.120
2336	8.923	5.152	104.120
2337	-8.923	-5.152	104.120
2338	8.923	-5.152	104.120
2339	161.000	.000	40.000
2340	-8.923	5.152	104.250
2341	8.923	5.152	104.250
2342	-8.923	-5.152	104.250
2343	8.923	-5.152	104.250
2344	161.000	.000	110.000
2345	-8.785	5.072	105.340
2346	8.785	5.072	105.340
2347	-8.785	-5.072	105.340
2348	8.785	-5.072	105.340
2349	-8.785	5.072	105.500
2350	-8.785	5.072	107.250

CE SYSTEM 80 + VERTICAL MODEL.

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
2351	8.785	5.072	107.250
2352	-8.785	-5.072	107.250
2353	8.785	-5.072	107.250
2354	8.785	5.072	105.500
2355	-8.785	-5.072	105.500
2356	8.785	-5.072	105.500
2357	.000	.000	95.167
2358	.000	.000	101.305
2359	.000	.000	107.250
2360	.000	.000	119.250
2361	-8.428	4.866	107.250
2362	8.428	4.866	107.250
2363	-8.428	-4.866	107.250
2364	8.428	-4.866	107.250
2365	-7.757	4.479	107.250
2366	7.757	4.479	107.250
2367	-7.757	-4.479	107.250
2368	7.757	-4.479	107.250
2369	49.752	-153.120	40.000
2370	-7.472	4.270	107.250
2371	7.472	4.270	107.250
2372	-7.472	-4.270	107.250
2373	7.472	-4.270	107.250
2374	49.752	-153.120	110.000
2375	.000	26.178	109.480
2376	.000	26.178	109.480
2377	.000	25.793	109.136
2378	.000	-25.793	109.136
2379	.000	25.274	108.770
2380	.000	-25.274	108.770
2381	.000	24.977	108.560
2382	.000	-24.977	108.560
2383	.000	24.466	108.199
2384	.000	-24.466	108.199
2385	.000	.000	40.000
2386	.000	.000	.000
2387	.000	.000	.000
2388	.000	.000	.000
2389	.000	23.776	107.791
2390	.000	-23.776	107.791
2391	.000	23.033	107.493
2392	.000	-23.033	107.493
2393	.000	22.253	107.311
2394	.000	-22.253	107.311
2395	.000	21.454	107.250
2396	.000	-21.454	107.250
2397	.000	10.542	107.250
2398	.000	-10.542	107.250
2399	.000	9.970	107.250
2400	.000	-9.970	107.250
2401	.000	9.508	107.250
2402	.000	-9.508	107.250

CE SYSTEM 80 + VERTICAL MODEL

GENERATED JOINT COORDINATES

JOINT	X	Y	Z
2403	.000	8.958	107.250
2404	.000	-8.958	107.250
2405	.000	8.540	107.250
2406	.000	-8.540	107.250
2407	.000	.000	.000
2408	.000	.000	.000
2409	10.000	.000	148.663
2410	10.000	.000	159.402
2411	10.000	.000	159.402
2412	10.000	.000	107.250
2413	.000	.000	.000
2414	.000	.000	.000
2415	.000	.000	.000
2416	.000	.000	.100

CE SYSTEM 80 + VERTICAL MODEL

CONSTRAINT DATA

JOINT	RX	RY	RZ	RXX	RYY	RZZ
1	1	1	1	1	1	1
25	1	1	1	1	1	1
26	1	1	1	1	1	1
27	1	1	1	1	1	1
28	1	1	1	1	1	1
29	1	1	1	1	1	1
30	1	1	1	1	1	1
31	1	1	1	1	1	1
32	1	1	1	1	1	1
34	1	1	1	1	1	1
35	1	1	1	1	1	1
36	1	1	1	1	1	1
37	1	1	1	1	1	1
38	1	1	1	1	1	1
39	1	1	1	1	1	1
40	1	1	1	1	1	1
41	1	1	1	1	1	1
42	1	1	1	1	1	1
101	1	1	1	1	1	1
125	1	1	1	1	1	1
126	1	1	1	1	1	1
127	1	1	1	1	1	1
128	1	1	1	1	1	1
129	1	1	1	1	1	1
130	1	1	1	1	1	1
131	1	1	1	1	1	1
132	1	1	1	1	1	1
134	1	1	1	1	1	1
135	1	1	1	1	1	1
136	1	1	1	1	1	1
137	1	1	1	1	1	1
138	1	1	1	1	1	1
139	1	1	1	1	1	1
140	1	1	1	1	1	1
141	1	1	1	1	1	1
142	1	1	1	1	1	1
201	1	1	1	1	1	1
206	1	1	1	1	1	1
207	1	1	1	1	1	1
209	1	1	1	1	1	1
210	1	1	1	1	1	1
301	1	1	1	1	1	1
306	1	1	1	1	1	1
307	1	1	1	1	1	1
309	1	1	1	1	1	1
310	1	1	1	1	1	1
311	1	1	1	1	1	1
402	1	1	1	1	1	1
501	1	1	1	1	1	1
530	1	1	1	1	1	1
531	1	1	1	1	1	1
532	1	1	1	1	1	1

CE SYSTEM 80 + VERTICAL MODEL

RESTRAINT DATA

JOINT	RX	RY	RZ	RXX	RYY	RZZ
533	1	1	1	1	1	1
534	1	1	1	1	1	1
535	1	1	1	1	1	1
536	1	1	1	1	1	1
537	1	1	1	1	1	1
538	1	1	1	1	1	1
F19	1	1	1	1	1	1
645	1	1	1	1	1	1
646	1	1	1	1	1	1
647	1	1	1	1	1	1
648	1	1	1	1	1	1
649	1	1	1	1	1	1
650	1	1	1	1	1	1
651	1	1	1	1	1	1
652	1	1	1	1	1	1
653	1	1	1	1	1	1
654	1	1	1	1	1	1
655	1	1	1	1	1	1
656	1	1	1	1	1	1
657	1	1	1	1	1	1
658	1	1	1	1	1	1
659	1	1	1	1	1	1
660	1	1	1	1	1	1
661	1	1	1	1	1	1
662	1	1	1	1	1	1
663	1	1	1	1	1	1
664	1	1	1	1	1	1
665	1	1	1	1	1	1
666	1	1	1	1	1	1
667	1	1	1	1	1	1
668	1	1	1	1	1	1
669	1	1	1	1	1	1
670	1	1	1	1	1	1
671	1	1	1	1	1	1
672	1	1	1	1	1	1
673	1	1	1	1	1	1
674	1	1	1	1	1	1
675	1	1	1	1	1	1
676	1	1	1	1	1	1
677	1	1	1	1	1	1
678	1	1	1	1	1	1
679	1	1	1	1	1	1
680	1	1	1	1	1	1
681	1	1	1	1	1	1
682	1	1	1	1	1	1
683	1	1	1	1	1	1
684	1	1	1	1	1	1
685	1	1	1	1	1	1
686	1	1	1	1	1	1
687	1	1	1	1	1	1
701	1	1	1	1	1	1
720	1	1	1	1	1	1

CE SYSTEM 80 + VERTICAL MODEL

RESTRAINT DATA

JOINT	RX	RY	RZ	RXX	RYY	RZZ
721	1	1	1	1	1	1
722	1	1	1	1	1	1
723	1	1	1	1	1	1
724	1	1	1	1	1	1
725	1	1	1	1	1	1
726	1	1	1	1	1	1
727	1	1	1	1	1	1
728	1	1	1	1	1	1
729	1	1	1	1	1	1
730	1	1	1	1	1	1
731	1	1	1	1	1	1
732	1	1	1	1	1	1
733	1	1	1	1	1	1
734	1	1	1	1	1	1
735	1	1	1	1	1	1
736	1	1	1	1	1	1
801	1	1	1	1	1	1
820	1	1	1	1	1	1
821	1	1	1	1	1	1
822	1	1	1	1	1	1
823	1	1	1	1	1	1
824	1	1	1	1	1	1
825	1	1	1	1	1	1
826	1	1	1	1	1	1
827	1	1	1	1	1	1
828	1	1	1	1	1	1
829	1	1	1	1	1	1
830	1	1	1	1	1	1
831	1	1	1	1	1	1
832	1	1	1	1	1	1
833	1	1	1	1	1	1
834	1	1	1	1	1	1
835	1	1	1	1	1	1
836	1	1	1	1	1	1
901	1	1	1	1	1	1
916	1	1	1	1	1	1
917	1	1	1	1	1	1
918	1	1	1	1	1	1
919	1	1	1	1	1	1
920	1	1	1	1	1	1
922	1	1	1	1	1	1
923	1	1	1	1	1	1
924	1	1	1	1	1	1
925	1	1	1	1	1	1
926	1	1	1	1	1	1
927	1	1	1	1	1	1
1001	1	1	1	1	1	1
1016	1	1	1	1	1	1
1017	1	1	1	1	1	1
1018	1	1	1	1	1	1
1019	1	1	1	1	1	1
1020	1	1	1	1	1	1

CE SYSTEM 80 + VERTICAL MODEL

RESTRAINT DATA

JOINT	RX	RY	RZ	RXX	RYY	RZZ
1022	1	1	1	1	1	1
1023	1	1	1	1	1	1
1024	1	1	1	1	1	1
1025	1	1	1	1	1	1
1026	1	1	1	1	1	1
1027	1	1	1	1	1	1
2259	1	1	1	1	1	1
2260	1	1	1	1	1	1
2287	1	1	1	1	1	1
2288	1	1	1	1	1	1
2289	1	1	1	1	1	1
2290	1	1	1	1	1	1
2327	1	1	1	1	1	1
2328	1	1	1	1	1	1
2329	1	1	1	1	1	1
2330	1	1	1	1	1	1
2331	1	1	1	1	1	1
2332	1	1	1	1	1	1
2333	1	1	1	1	1	1
2334	1	1	1	1	1	1
2339	1	1	1	1	1	1
2344	1	1	1	1	1	1
2369	1	1	1	1	1	1
2374	1	1	1	1	1	1
2385	1	1	1	1	1	1
2386	1	1	1	1	1	1
2387	1	1	1	1	1	1
2388	1	1	1	1	1	1
2407	1	1	1	1	1	1
2408	1	1	1	1	1	1
2409	1	1	1	1	1	1
2410	1	1	1	1	1	1
2411	1	1	1	1	1	1
2412	1	1	1	1	1	1
2413	1	1	1	1	1	1
2414	1	1	1	1	1	1
2415	1	1	1	1	1	1
2416	1	1	1	1	1	1

CE SYSTEM 80 + VERTICAL MODEL

JOINT MASSES

JOINT	MX	MY	MZ	MRX	MRY	MRZ
3	.000E+00	.000E+00	.891E+06	.219E+10	.250E+10	.000E+00
6	.000E+00	.000E+00	.694E+06	.144E+10	.166E+10	.000E+00
9	.000E+00	.000E+00	.386E+06	.864E+09	.574E+09	.000E+00
12	.000E+00	.000E+00	.583E+06	.130E+10	.154E+10	.000E+00
15	.000E+00	.000E+00	.842E+06	.206E+10	.176E+10	.000E+00
18	.000E+00	.000E+00	.580E+06	.146E+10	.162E+10	.000E+00
21	.000E+00	.000E+00	.412E+06	.936E+09	.113E+10	.000E+00
24	.000E+00	.000E+00	.346E+06	.730E+09	.753E+09	.000E+00
103	.000E+00	.000E+00	.768E+06	.166E+10	.294E+10	.000E+00
106	.000E+00	.000E+00	.435E+06	.815E+09	.855E+09	.000E+00
109	.000E+00	.000E+00	.744E+06	.165E+10	.299E+10	.000E+00
112	.000E+00	.000E+00	.720E+06	.160E+10	.297E+10	.000E+00
115	.000E+00	.000E+00	.570E+06	.101E+10	.217E+10	.000E+00
118	.000E+00	.000E+00	.567E+06	.915E+09	.247E+10	.000E+00
121	.000E+00	.000E+00	.422E+06	.845E+09	.171E+10	.000E+00
124	.000E+00	.000E+00	.365E+06	.963E+09	.337E+10	.000E+00
203	.000E+00	.000E+00	.106E+06	.322E+08	.161E+09	.000E+00
205	.000E+00	.000E+00	.139E+06	.329E+08	.223E+09	.000E+00
303	.000E+00	.000E+00	.106E+06	.322E+08	.161E+09	.000E+00
305	.000E+00	.000E+00	.139E+06	.329E+08	.223E+09	.000E+00
503	.000E+00	.000E+00	.157E+07	.451E+10	.455E+10	.000E+00
506	.000E+00	.000E+00	.154E+07	.390E+10	.390E+10	.000E+00
509	.000E+00	.000E+00	.676E+06	.162E+10	.184E+10	.000E+00
512	.000E+00	.000E+00	.733E+06	.216E+10	.223E+10	.000E+00
515	.000E+00	.000E+00	.267E+06	.312E+09	.441E+09	.000E+00
518	.000E+00	.000E+00	.478E+06	.827E+09	.771E+09	.000E+00
521	.000E+00	.000E+00	.255E+06	.540E+09	.425E+09	.000E+00
526	.000E+00	.000E+00	.220E+06	.510E+09	.425E+09	.000E+00
529	.000E+00	.000E+00	.869E+05	.165E+09	.165E+09	.000E+00
632	.000E+00	.000E+00	.846E+05	.485E+09	.485E+09	.968E+09
633	.000E+00	.000E+00	.182E+06	.104E+10	.104E+10	.208E+10
634	.000E+00	.000E+00	.156E+06	.890E+10	.890E+10	.177E+10
635	.000E+00	.000E+00	.145E+06	.827E+09	.827E+09	.165E+10
636	.000E+00	.000E+00	.171E+06	.945E+09	.945E+09	.188E+10
637	.000E+00	.000E+00	.163E+06	.821E+09	.821E+09	.163E+10
638	.000E+00	.000E+00	.150E+06	.643E+09	.643E+09	.128E+10
639	.000E+00	.000E+00	.133E+06	.445E+09	.445E+09	.885E+09
640	.000E+00	.000E+00	.112E+06	.263E+09	.253E+09	.523E+09
641	.000E+00	.000E+00	.868E+05	.124E+09	.124E+09	.216E+09
642	.000E+00	.000E+00	.594E+05	.396E+08	.396E+08	.788E+08
643	.000E+00	.000E+00	.302E+05	.518E+07	.518E+07	.103E+08
644	.000E+00	.000E+00	.379E+04	.817E+05	.817E+05	.163E+06
703	.000E+00	.000E+00	.905E+05	.204E+08	.333E+08	.000E+00
706	.000E+00	.000E+00	.181E+06	.169E+08	.501E+08	.000E+00
708	.000E+00	.000E+00	.912E+05	.179E+08	.607E+08	.000E+00
711	.000E+00	.000E+00	.982E+05	.206E+08	.703E+08	.000E+00
713	.000E+00	.000E+00	.110E+06	.460E+08	.935E+08	.000E+00
716	.000E+00	.000E+00	.565E+05	.213E+08	.540E+08	.000E+00
719	.000E+00	.000E+00	.831E+05	.304E+08	.536E+08	.000E+00
803	.000E+00	.000E+00	.905E+05	.204E+08	.333E+08	.000E+00
806	.000E+00	.000E+00	.181E+06	.169E+08	.501E+08	.000E+00
808	.000E+00	.000E+00	.912E+05	.179E+08	.607E+08	.000E+00

CE SYSTEM 80 + VERTICAL MODEL

JOINT MASSES

JOINT	MX	MY	MZ	MRX	MRY	MRZ
811	.000E+00	.000E+00	.982E+05	.206E+08	.703E+08	.000E+00
813	.000E+00	.000E+00	.110E+06	.460E+08	.935E+08	.000E+00
816	.000E+00	.000E+00	.565E+05	.213E+08	.540E+08	.000E+00
819	.000E+00	.000E+00	.831E+05	.304E+08	.536E+08	.000E+00
903	.000E+00	.000E+00	.549E+06	.124E+10	.113E+10	.000E+00
906	.000E+00	.000E+00	.565E+06	.128E+10	.120E+10	.000E+00
909	.000E+00	.000E+00	.457E+06	.845E+09	.966E+09	.000E+00
912	.000E+00	.000E+00	.269E+06	.347E+09	.355E+09	.000E+00
915	.000E+00	.000E+00	.259E+06	.414E+09	.266E+09	.000E+00
1003	.000E+00	.000E+00	.550E+06	.125E+10	.113E+10	.000E+00
1006	.000E+00	.000E+00	.558E+06	.127E+10	.117E+10	.000E+00
1009	.000E+00	.000E+00	.467E+06	.936E+09	.979E+09	.000E+00
1012	.000E+00	.000E+00	.334E+06	.515E+09	.441E+09	.000E+00
1015	.000E+00	.000E+00	.260E+06	.416E+09	.267E+09	.000E+00
2293	.000E+00	.000E+00	.432E+05	.000E+00	.000E+00	.000E+00
2294	.000E+00	.000E+00	.432E+05	.000E+00	.000E+00	.000E+00
2311	.000E+00	.000E+00	.176E+05	.000E+00	.000E+00	.000E+00
2312	.000E+00	.000E+00	.176E+05	.000E+00	.000E+00	.000E+00
2357	.000E+00	.000E+00	.475E+05	.000E+00	.000E+00	.000E+00
2360	.000E+00	.000E+00	.301E+05	.000E+00	.000E+00	.000E+00
400	.000E+00	.000E+00	.233E+06	.000E+00	.000E+00	.000E+00

R A M E C O N T R O L D A T A

NUMBER OF MEMBER SECTION PROPERTIES 17?
NUMBER OF SPAN LOADING PATTERNS 0

LOAD	GRAVITATIONAL MULTIPLIERS			TEMPERATURE	PRESTRESS
COND	X	Y	Z	MULTIPLIERS	MULTIPLIERS
1	.000	.000	.000	.000	.000

CE SYSTEM 80 + VERTICAL MODEL

SECTION PROPERTY DATA

PROP ID	AREA	TORSIONAL INERTIA	MOMENTS OF INERTIA		SHEAR AREAS	
			I33	I22	A2	A3
1	.499E+04	.11195E+08	.10549E+08	.65477E+07	.217E+04	.279E+04
2	.481E+04	.10435E+08	.10411E+08	.63675E+07	.210E+04	.246E+04
3	.583E+04	.15248E+08	.11137E+08	.92344E+07	.333E+04	.426E+04
4	.523E+04	.14449E+08	.10812E+08	.89922E+07	.284E+04	.343E+04
5	.592E+04	.16988E+08	.13053E+08	.87677E+07	.329E+04	.405E+04
6	.670E+04	.22415E+08	.17906E+08	.90260E+07	.409E+04	.446E+04
7	.257E+04	.80057E+07	.62614E+07	.66378E+07	.103E+04	.116E+04
8	.237E+04	.73859E+07	.60128E+07	.65754E+07	.106E+04	.109E+04
9	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
10	.100E+08	.10000E+01	.10000E+15	.10000E+01	.000E+00	.000E+00
11	.565E+04	.13718E+08	.12565E+08	.13275E+08	.224E+04	.276E+04
12	.516E+04	.12600E+08	.98082E+07	.11547E+08	.247E+04	.271E+04
13	.631E+04	.15795E+08	.12321E+08	.13528E+08	.343E+04	.318E+04
14	.379E+04	.94591E+07	.94566E+07	.10013E+08	.107E+04	.185E+04
15	.423E+04	.12069E+08	.10348E+08	.12333E+08	.134E+04	.209E
16	.306E+04	.88276E+07	.52990E+07	.10869E+08	.101E+04	.167E+04
17	.259E+04	.62990E+07	.46189E+07	.92523E+07	.609E+03	.143E+04
18	.212E+04	.81637E+07	.45134E+07	.76898E+07	.601E+03	.111E+04
19	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
20	.100E+08	.10000E+11	.10000E+15	.10000E+15	.000E+00	.000E+00
21	.864E+03	.90237E+06	.28488E+06	.14426E+07	.165E+03	.706E+03
22	.864E+03	.88806E+06	.28488E+06	.14426E+07	.159E+03	.703E+03
23	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
24	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
25	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
26	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
27	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
28	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
29	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
30	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
31	.864E+03	.90237E+06	.28488E+06	.14426E+07	.165E+03	.706E+03
32	.864E+03	.88806E+06	.28488E+06	.14426E+07	.159E+03	.703E+03
33	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
34	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
35	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
36	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
37	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
38	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
39	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
40	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
41	.114E+05	.47586E+08	.35254E+08	.35014E+08	.511E+04	.549E+04
42	.955E+04	.59527E+08	.36833E+08	.35697E+08	.411E+04	.449E+04
43	.859E+04	.55225E+08	.34400E+08	.34643E+08	.311E+04	.360E+04
44	.971E+04	.59673E+08	.35625E+08	.37229E+08	.377E+04	.446E+04
45	.473E+04	.12296E+08	.58900E+07	.86120E+07	.242E+04	.281E+04
46	.405E+04	.11269E+08	.55820E+07	.79510E+07	.109E+04	.185E+04
47	.257E+04	.76388E+07	.57050E+07	.36690E+07	.653E+03	.122E+04
48	.195E+04	.76373E+07	.49470E+07	.40180E+07	.599E+03	.807E+03
49	.203E+04	.80575E+07	.51300E+07	.43610E+07	.653E+03	.824E+03
50	.168E+04	.75657E+07	.37829E+07	.37829E+07	.560E+03	.560E+03
51	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00

CE SYSTEM 80 + VERTICAL MODEL

SECTION PROPERTY DATA

PROP ID	AREA	TORSIONAL INERTIA	MOMENTS OF INERTIA		SHEAR AREAS	
			I33	I22	A2	A3
52	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
53	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
54	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
55	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
56	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
57	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
58	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
59	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
60	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
61	.269E+04	.30789E+08	.15394E+08	.15394E+08	.135E+04	.135E+04
62	.269E+04	.30789E+08	.15394E+08	.15394E+08	.135E+04	.135E+04
63	.201E+04	.22769E+08	.11385E+08	.11385E+08	.100E+04	.100E+04
64	.135E+04	.21000E+08	.11000E+08	.11000E+08	.950E+03	.950E+03
65	.950E+03	.16760E+08	.91000E+07	.91000E+07	.890E+03	.890E+03
66	.550E+03	.12374E+08	.72000E+07	.72000E+07	.700E+03	.700E+03
67	.300E+03	.79585E+07	.41370E+07	.41370E+07	.500E+03	.500E+03
68	.200E+03	.42491E+07	.19800E+07	.19800E+07	.360E+03	.360E+03
69	.100E+03	.16994E+07	.69600E+06	.69600E+06	.250E+03	.250E+03
70	.500E+02	.39030E+06	.15000E+06	.15000E+06	.300E+03	.300E+03
71	.300E+02	.14919E+05	.50000E+03	.50000E+03	.350E+03	.350E+03
72	.150E+02	.74590E+04	.50000E+02	.50000E+02	.450E+03	.450E+03
73	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
74	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
75	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
76	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
77	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
78	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
79	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
80	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
81	.798E+03	.31245E+06	.18836E+06	.28834E+06	.331E+03	.473E+03
82	.648E+03	.28422E+06	.17889E+06	.25260E+06	.337E+03	.362E+03
83	.648E+03	.29400E+06	.17889E+06	.25260E+06	.337E+03	.349E+03
84	.776E+03	.68859E+06	.21320E+06	.70685E+06	.311E+03	.503E+03
85	.776E+03	.64932E+06	.21320E+06	.70685E+06	.281E+03	.483E+03
86	.816E+03	.77588E+06	.29475E+06	.85903E+06	.444E+03	.325E+03
87	.986E+03	.78544E+06	.36180E+06	.83225E+06	.466E+03	.445E+03
88	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
89	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
90	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
91	.798E+03	.31245E+06	.18836E+06	.28834E+06	.331E+03	.473E+03
92	.648E+03	.28422E+06	.17889E+06	.25260E+06	.337E+03	.362E+03
93	.648E+03	.29400E+06	.17889E+06	.25260E+06	.337E+03	.349E+03
94	.776E+03	.68859E+06	.21320E+06	.70685E+06	.311E+03	.503E+03
95	.776E+03	.64932E+06	.21320E+06	.70685E+06	.281E+03	.483E+03
96	.816E+03	.77588E+06	.29475E+06	.85903E+06	.444E+03	.325E+03
97	.986E+03	.78544E+06	.36180E+06	.83225E+06	.466E+03	.445E+03
98	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
99	.250E+02	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
100	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
101	.280E+04	.58285E+07	.67801E+07	.38895E+07	.142E+04	.113E+04
102	.283E+04	.60244E+07	.67944E+07	.44808E+07	.138E+04	.116E+04

CE SYSTEM 80 + VERTICAL MODEL

ECTION PROPERTY DATA

PROP ID	AREA	TORSIONAL INERTIA	MOMENTS OF INERTIA		SHEAR AREAS	
			I33	I22	A2	A3
103	.251E+04	.47657E+07	.54062E+07	.44458E+07	.910E+03	.120E+04
104	.215E+04	.29080E+07	.29015E+07	.40306E+07	.140E+04	.627E+03
105	.159E+04	.12141E+07	.21330E+07	.19841E+07	.794E+03	.504E+03
106	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
107	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
108	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
109	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
110	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
111	.280E+04	.58285E+07	.67803E+07	.38895E+07	.142E+04	.113E+04
112	.283E+04	.60244E+07	.67944E+07	.44808E+07	.138E+04	.116E+04
113	.251E+04	.47657E+07	.54062E+07	.44458E+07	.910E+03	.120E+04
114	.208E+04	.21923E+07	.34995E+07	.36374E+07	.754E+03	.976E+03
115	.159E+04	.12141E+07	.21330E+07	.19841E+07	.794E+03	.504E+03
116	.100E+07	.10000E+11	.10000E+11	.10000E+11	.000E+00	.000E+00
117	.100E+01	.10000E+01	.10000E+01	.10000E+01	.100E+01	.100E+01
118	.100E+01	.10000E+01	.10000E+01	.10000E+01	.100E+01	.100E+01
119	.100E+01	.10000E+01	.10000E+01	.10000E+01	.100E+01	.100E+01
120	.100E+01	.10000E+01	.10000E+01	.10000E+01	.100E+01	.100E+01
121	.297E+02	.15971E+04	.79855E+03	.79855E+03	.148E+02	.148E+02
122	.388E+02	.24758E+04	.12379E+04	.12379E+04	.194E+02	.194E+02
123	.388E+02	.24758E+04	.12379E+04	.12379E+04	.194E+02	.194E+02
124	.480E+02	.31309E+04	.15654E+04	.15654E+04	.240E+02	.240E+02
125	.480E+02	.31309E+04	.15654E+04	.15654E+04	.240E+02	.240E+02
126	.174E+01	.24100E+00	.54000E-01	.24100E+00	.174E+01	.174E+01
127	.133E+01	.15600E+00	.44400E+00	.49000E-01	.110E+01	.110E+01
128	.100E+03	.50000E+04	.50000E+04	.50000E+04	.100E+03	.100E+03
129	.154E+02	.30101E+02	.12214E+02	.32118E+02	.128E+02	.128E+02
130	.154E+02	.30101E+02	.12214E+02	.32118E+02	.128E+02	.128E+02
131	.240E+01	.55700E+00	.18300E+00	.12480E+01	.199E+01	.199E+01
132	.108E+02	.14439E+02	.56420E+01	.16952E+02	.899E+01	.899E+01
133	.108E+02	.14439E+02	.56420E+01	.16952E+02	.899E+01	.899E+01
134	.438E+01	.25360E+01	.11170E+01	.22790E+01	.363E+01	.363E+01
135	.422E+01	.23340E+01	.10030E+01	.21990E+01	.351E+01	.351E+01
136	.909E+01	.27832E+02	.13916E+02	.13916E+02	.454E+01	.454E+01
137	.109E+02	.38646E+02	.19323E+02	.19323E+02	.546E+01	.546E+01
138	.109E+02	.38646E+02	.29300E+00	.61800E+00	.253E+01	.351E+01
139	.321E+00	.10000E-03	.10000E-03	.10000E-03	.100E-02	.100E-02
140	.527E+00	.80739E+02	.62000E+00	.80920E+01	.000E+00	.499E+01
141	.177E+02	.16063E+03	.80319E+02	.80319E+02	.885E+01	.885E+01
142	.166E+02	.15115E+03	.75577E+02	.75577E+02	.831E+01	.831E+01
143	.434E+01	.29787E+02	.14893E+02	.14893E+02	.217E+01	.217E+01
144	.376E+01	.18978E+02	.94890E+01	.94890E+01	.188E+01	.188E+01
145	.192E+02	.68190E+02	.26645E+02	.34105E+02	.958E+01	.958E+01
146	.422E+02	.11635E+04	.58178E+03	.58178E+03	.211E+02	.211E+02
147	.416E+02	.20635E+04	.10317E+04	.10317E+04	.208E+02	.208E+02
148	.185E+03	.56360E+04	.28180E+04	.28180E+04	.151E+03	.151E+03
149	.212E+02	.13905E+04	.69525E+03	.69525E+03	.106E+02	.106E+02
150	.212E+02	.13905E+04	.69525E+03	.69525E+03	.106E+02	.106E+02
151	.336E+02	.24244E+04	.12122E+04	.12122E+04	.168E+02	.168E+02
152	.373E+02	.32999E+04	.16499E+04	.16499E+04	.186E+02	.186E+02
153	.297E+02	.15971E+04	.79855E+03	.79855E+03	.148E+02	.148E+02

CE SYSTEM 80 + VERTICAL MODEL

SECTION PROPERTY DATA

PROP ID	AREA	TORSIONAL INERTIA	MOMENTS OF INERTIA		SHEAR AREAS	
			I33	I22	A2	A3
154	.298E+02	.29285E+04	.14642E+04	.14642E+04	.149E+02	.149E+02
155	.298E+02	.29285E+04	.14642E+04	.14642E+04	.149E+02	.149E+02
156	.106E+01	.10000E-03	.10000E-03	.10000E-03	.694E+00	.694E+00
157	.224E+00	.48200E+00	.48200E+00	.48200E+00	.694E+00	.694E+00
158	.694E+00	.48200E+00	.12000E-01	.12000E-01	.374E+00	.375E+00
159	.305E+02	.30064E+04	.15032E+04	.15032E+04	.153E+02	.153E+02
160	.124E+02	.62563E+02	.35200E+00	.71900E+00	.158E+01	.256E+01
161	.124E+02	.62563E+02	.31281E+02	.31281E+02	.621E+01	.621E+01
162	.818E+01	.35667E+02	.17834E+02	.17834E+02	.409E+01	.409E+01
163	.439E+01	.16526E+02	.82630E+01	.82630E+01	.220E+01	.220E+01
164	.37E+01	.12561E+02	.62810E+01	.62810E+01	.174E+01	.174E+01
165	.348E+01	.32500E+01	.16250E+01	.16250E+01	.176E+01	.176E+01
166	.485E+01	.18572E+02	.92860E+01	.92860E+01	.242E+01	.242E+01
167	.540E+01	.21181E+02	.10590E+02	.10590E+02	.270E+01	.270E+01
168	.665E+01	.27916E+02	.13958E+02	.13958E+02	.332E+01	.332E+01
169	.750E+01	.33676E+02	.16838E+02	.16838E+02	.375E+01	.375E+01
170	.100E-05	.10000E-05	.10000E-05	.10000E-05	.100E+03	.100E-05
171	.100E-05	.10000E+04	.10000E+04	.10000E+04	.100E+03	.100E+03
172	.100E+04	.10000E-11	.10000E-11	.10000E-11	.100E-05	.100E-05

CE SYSTEM 80 + VERTICAL MODEL

M A T E R I A L P R O P E R T Y D A T A

PROP ID	MODULUS OF ELASTICITY	WEAR MODULUS	WEIGHT PER UNIT LEN	MASS PER UNIT LEN	THERMAL EXPANSION
1	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
2	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
3	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
4	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
5	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
6	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
7	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
8	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
9	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
10	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
11	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
12	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
13	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
14	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
15	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
16	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
17	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
18	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
19	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
20	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
21	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
22	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
23	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
24	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
25	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
26	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
27	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
28	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
29	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
30	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
31	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
32	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
33	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
34	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
35	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
36	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
37	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
38	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
39	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
40	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
41	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
42	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
43	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
44	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
45	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
46	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
47	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
48	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
49	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
50	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
51	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00

CE SYSTEM 80 + VERTICAL MODEL

M A T E R I A L P R O P E R T Y D A T A

PROP ID	MODULUS OF ELASTICITY	SHEAR MODULUS	WEIGHT PER UNIT LEN	MASS PER UNIT LEN	THERMAL EXPANSION
52	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
53	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
54	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
55	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
56	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
57	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
58	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
59	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
60	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
61	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
62	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
63	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
64	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
65	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
66	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
67	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
68	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
69	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
70	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
71	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
72	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
73	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
74	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
75	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
76	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
77	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
78	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
79	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
80	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
81	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
82	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
83	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
84	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
85	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
86	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
87	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
88	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
89	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
90	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
91	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
92	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
93	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
94	.5857E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
95	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
96	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
97	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
98	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
99	.4320E+10	.1562E+10	.0000E+00	.0000E+00	.0000E+00
100	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
101	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
102	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00

CE SYSTEM 80 + VERTICAL MODEL

M A T E R I A L P R O P E R T Y D A T A

PROP ID	MODULUS OF ELASTICITY	SHEAR MODULUS	WEIGHT PER UNIT LEN	MASS PER UNIT LEN	THERMAL EXPANSION
103	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
104	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
105	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
106	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
107	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
108	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
109	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
110	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
111	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
112	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
113	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
114	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
115	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
116	.5867E+09	.2507E+09	.0000E+00	.0000E+00	.0000E+00
117	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
118	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
119	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
120	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
121	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
122	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
123	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
124	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
125	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
126	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
127	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
128	.4000E+13	.1600E+13	.0000E+00	.0000E+00	.0000E+00
129	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
130	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
131	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
132	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
133	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
134	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
135	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
136	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
137	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
138	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
139	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
140	.3890E+10	.1560E+10	.0000E+00	.0000E+00	.0000E+00
141	.4180E+10	.1670E+10	.0000E+00	.0000E+00	.0000E+00
142	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
143	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
144	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
145	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
146	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
147	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
148	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
149	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
150	.3890E+10	.1560E+10	.0000E+00	.0000E+00	.0000E+00
151	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
152	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
153	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00

CE SYSTEM 80 + VERTICAL MODEL

M A T E R I A L P R O P E R T Y D A T A

PROP ID	MODULUS OF ELASTICITY	SHEAR MODULUS	WEIGHT PER UNIT LEN	MASS PER UNIT LEN	THERMAL EXPANSION
154	.3890E+10	.1560E+10	.0000E+00	.0000E+00	.0000E+00
155	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
156	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
157	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
158	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
159	.3740E+10	.1500E+10	.0000E+00	.0000E+00	.0000E+00
160	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
161	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
162	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
163	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
164	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
165	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
166	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
167	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
168	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
169	.3820E+10	.1530E+10	.0000E+00	.0000E+00	.0000E+00
170	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
171	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00
172	.4320E+10	.1730E+10	.0000E+00	.0000E+00	.0000E+00

CE SYSTEM 80 + VERTICAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS N1	LOCAL-AXIS N2	PROPERTY-ID END-I	PROPERTY-ID END-J	VAR	REL CODES	REF TEMP	ELEMENT LENGTH
1	1	2	0	25	1	1	1	000000	.00	18.50
2	2	3	0	25	9	9	1	000000	.00	27.18
3	2	4	0	25	9	9	1	000000	.00	2.81
4	4	33	0	26	2	2	1	000000	.00	11.00
5	5	6	0	26	9	9	1	000000	.00	16.27
6	5	7	0	26	9	9	1	000000	.00	5.84
7	7	8	0	27	3	3	1	000000	.00	10.75
8	8	9	0	27	9	9	1	000000	.00	13.87
9	8	10	0	27	9	9	1	000000	.00	2.45
10	10	11	0	28	4	4	1	000000	.00	13.00
11	11	12	0	28	9	9	1	000000	.00	13.19
12	11	13	0	28	9	9	1	000000	.00	8.40
13	13	14	0	29	5	5	1	000000	.00	15.09
14	14	15	0	29	9	9	1	000000	.00	8.50
15	14	16	0	29	9	9	1	000000	.00	9.37
16	16	17	0	30	6	6	1	000000	.00	15.50
17	17	18	0	30	9	9	1	000000	.00	22.29
18	17	19	0	30	9	9	1	000000	.00	21.73
19	19	20	0	31	7	7	1	000000	.00	24.00
20	20	21	0	31	9	9	1	000000	.00	17.47
21	20	22	0	31	9	9	1	000000	.00	3.11
22	22	23	0	32	8	8	1	000000	.00	21.00
23	23	24	0	32	9	9	1	000000	.00	9.94
24	33	5	0	26	2	2	1	000000	.00	10.75
101	101	102	0	125	11	11	1	000000	.00	18.50
102	102	103	0	125	19	19	1	000000	.00	21.60
103	102	104	0	125	19	19	1	000000	.00	8.52
104	104	105	0	126	12	12	1	000000	.00	11.00
105	105	106	0	126	19	19	1	000000	.00	12.71
106	105	107	0	126	19	19	1	000000	.00	10.94
107	107	108	0	127	13	13	1	000000	.00	10.75
108	108	109	0	127	19	19	1	000000	.00	29.00
109	108	110	0	127	19	19	1	000000	.00	24.80
110	110	133	0	128	14	14	1	000000	.00	10.75
111	111	112	0	128	19	19	1	000000	.00	12.29
112	111	113	0	128	19	19	1	000000	.00	4.08
113	113	114	0	129	15	15	1	000000	.00	15.00
114	114	115	0	129	19	19	1	000000	.00	18.63
115	114	116	0	129	19	19	1	000000	.00	7.29
116	116	117	0	130	16	16	1	000000	.00	15.50
117	117	118	0	130	19	19	1	000000	.00	17.41
118	117	119	0	130	19	19	1	000000	.00	2.49
119	119	120	0	131	17	17	1	000000	.00	24.00
120	120	121	0	131	19	19	1	000000	.00	10.77
121	120	122	0	131	19	19	1	000000	.00	7.41
122	122	123	0	132	18	18	1	000000	.00	21.00
123	123	124	0	132	19	19	1	000000	.00	13.28
124	133	111	0	128	14	14	1	000000	.00	13.00
201	201	202	0	206	21	21	1	000000	.00	18.50
202	202	203	0	206	23	23	1	000000	.00	1.88
203	202	204	0	207	22	22	1	000000	.00	21.75

CE SYSTEM 80 + VERTICAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS		PROPERTY-ID		REL	REF	ELEMENT
			N1	N2	END-I	END-J	VAR	TEMP	LENGTH
204	204	205	0	207	23	23	1	000000	8.04
301	301	302	0	306	31	31	1	000000	18.50
302	302	303	0	306	33	33	1	000000	1.88
303	302	308	0	307	32	32	1	000000	11.00
304	304	305	0	307	33	33	1	000000	8.04
305	308	304	0	307	32	32	1	000000	10.75
401	401	400	0	402	99	99	1	000000	82.95
501	501	502	0	530	41	41	1	000000	18.50
502	502	503	0	530	51	51	1	000000	2.46
503	502	504	0	530	51	51	1	000000	4.30
504	504	540	0	531	42	42	1	000000	11.00
505	505	506	0	531	51	51	1	000000	3.40
506	505	507	0	531	51	51	1	000000	2.75
507	507	541	0	532	43	43	1	000000	10.75
508	508	509	0	532	51	51	1	000000	5.47
509	508	510	0	532	51	51	1	000000	4.00
510	510	511	0	533	44	44	1	000000	9.50
511	511	512	0	533	51	51	1	000000	2.24
512	511	513	0	533	51	51	1	000000	4.53
513	513	514	0	534	45	45	1	000000	6.00
514	514	515	0	534	51	51	1	000000	6.81
515	514	516	0	534	51	51	1	000000	.35
516	516	517	0	535	46	46	1	000000	24.50
517	517	518	0	535	51	51	1	000000	7.83
518	517	519	0	535	51	51	1	000000	12.21
519	519	545	0	536	47	47	1	000000	4.16
520	520	521	0	536	51	51	1	000000	4.70
521	520	522	0	536	51	51	1	000000	3.58
522	522	523	0	537	48	48	1	000000	13.67
523	523	524	0	537	51	51	1	000000	3.02
524	524	525	0	538	49	49	1	000000	13.33
525	525	526	0	538	51	51	1	000000	2.97
526	525	527	0	538	51	51	1	000000	4.10
527	527	528	0	539	50	50	1	000000	18.67
528	528	529	0	539	51	51	1	000000	4.59
529	540	542	0	531	42	42	1	000000	4.71
530	542	505	0	531	42	42	1	000000	6.04
531	541	543	0	532	43	43	1	000000	1.11
532	543	544	0	532	43	43	1	000000	1.72
533	544	508	0	532	43	43	1	000000	.67
534	545	546	0	536	47	47	1	000000	10.74
535	546	520	0	536	47	47	1	000000	4.93
601	632	633	0	645	61	61	1	000000	13.50
602	633	634	0	646	62	62	1	000000	15.50
603	634	688	0	647	63	63	1	000000	10.00
604	635	689	0	648	64	64	1	000000	11.50
605	636	690	0	649	65	65	1	000000	14.01
606	637	638	0	650	66	66	1	000000	16.82
607	638	639	0	651	67	67	1	000000	15.21
608	639	640	0	652	68	68	1	000000	13.12
609	640	641	0	653	69	69	1	000000	10.65

CE SYSTEM 80 + VERTICAL MODEL

R A M E E L E M E N T D A T A

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS N1 N2		PROPERTY-ID END-I END-J		VAR	REL CODES	REF TEMP	ELEMENT LENGTH
610	641	642	0	654	70	70	1	000000	.00	7.85
611	642	643	0	655	71	71	1	000000	.00	4.80
612	643	644	0	656	72	72	1	000000	.00	1.62
613	688	635	0	647	63	63	1	000000	.00	2.50
614	689	636	0	648	64	64	1	000000	.00	6.99
615	690	637	0	649	65	65	1	000000	.00	3.93
701	701	702	0	720	81	81	1	000000	.00	18.50
702	702	703	0	720	88	88	1	000000	.00	2.74
703	702	704	0	720	88	88	1	000000	.00	3.69
704	704	705	0	721	82	82	1	000000	.00	21.75
705	705	706	0	721	88	88	1	000000	.00	3.74
706	705	707	0	722	83	83	1	000000	.00	14.25
707	707	708	0	722	88	88	1	000000	.00	12.70
708	707	709	0	722	88	88	1	000000	.00	12.40
709	709	710	0	723	84	84	1	000000	.00	9.50
710	710	711	0	723	88	88	1	000000	.00	2.76
711	710	712	0	724	85	85	1	000000	.00	15.00
712	712	713	0	724	88	88	1	000000	.00	10.01
713	712	714	0	724	88	88	1	000000	.00	5.67
714	714	715	0	725	86	86	1	000000	.00	15.50
715	715	716	0	725	88	88	1	000000	.00	3.45
716	715	717	0	725	88	88	1	000000	.00	6.52
717	717	718	0	726	87	87	1	000000	.00	10.00
718	718	719	0	726	88	88	1	000000	.00	5.55
801	801	802	0	820	91	91	1	000000	.00	18.50
802	802	803	0	820	98	98	1	000000	.00	2.74
803	802	804	0	820	98	98	1	000000	.00	3.69
804	804	805	0	821	92	92	1	000000	.00	21.75
805	805	806	0	821	98	98	1	000000	.00	3.74
806	805	807	0	822	93	93	1	000000	.00	14.25
807	807	808	0	822	98	98	1	000000	.00	12.70
808	807	809	0	822	98	98	1	000000	.00	12.40
809	809	810	0	823	94	94	1	000000	.00	9.50
810	810	811	0	823	98	98	1	000000	.00	2.76
811	810	812	0	824	95	95	1	000000	.00	15.00
812	812	813	0	824	98	98	1	000000	.00	10.01
813	812	814	0	824	98	98	1	000000	.00	5.67
814	814	815	0	825	96	96	1	000000	.00	15.50
815	815	816	0	825	98	98	1	000000	.00	3.45
816	815	817	0	825	98	98	1	000000	.00	6.52
817	817	818	0	826	97	97	1	000000	.00	10.00
818	818	819	0	826	98	98	1	000000	.00	5.55
901	901	902	0	916	101	101	1	000000	.00	18.50
902	902	903	0	916	106	106	1	000000	.00	12.39
903	902	904	0	916	106	106	1	000000	.00	1.28
904	904	905	0	917	102	102	1	000000	.00	21.75
905	905	906	0	917	106	106	1	000000	.00	11.44
906	905	907	0	917	106	106	1	000000	.00	2.60
907	907	921	0	918	103	103	1	000000	.00	14.25
908	908	909	0	918	106	106	1	000000	.00	19.37
909	908	910	0	918	106	106	1	000000	.00	16.60

CE SYSTEM 80 + VERTICAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS N1	LOCAL-AXIS N2	PROPERTY-ID END-I	PROPERTY-ID END-J	VAR	REL CODES	REF TEMP	ELEMENT LENGTH
910	910	911	0	919	104	104	1	000000	.00	15.00
911	911	912	0	919	106	106	1	000000	.00	13.17
912	911	913	0	919	106	106	1	000000	.00	15.86
913	913	914	0	920	105	105	1	000000	.00	15.50
914	914	915	0	920	106	106	1	000000	.00	5.60
915	921	908	0	918	103	103	1	000000	.00	7.50
1001	1001	1002	0	1016	111	111	1	000000	.00	18.50
1002	1002	1003	0	1016	116	116	1	000000	.00	12.31
1003	1002	1004	0	1016	116	116	1	000000	.00	1.28
1004	1004	1005	0	1017	112	112	1	000900	.00	21.75
1005	1005	1006	0	1017	116	116	1	000000	.00	11.28
1006	1005	1007	0	1017	116	116	1	000000	.00	2.60
1007	1007	1021	0	1018	113	113	1	000000	.00	14.25
1008	1008	1009	0	1018	116	116	1	000000	.00	16.88
1009	1008	1010	0	1018	116	116	1	000000	.00	5.90
1010	1010	1011	0	1019	114	114	1	000000	.00	15.00
1011	1011	1012	0	1019	116	116	1	000000	.00	12.92
1012	1011	1013	0	1019	116	116	1	000000	.00	19.83
1013	1013	1014	0	1020	115	115	1	000000	.00	15.50
1014	1014	1015	0	1020	116	116	1	000000	.00	5.44
1015	1021	1008	0	1018	113	113	1	000000	.00	9.50
1101	1	501	0	502	20	20	1	000000	.00	179.22
1102	101	501	0	502	20	20	1	000000	.00	195.72
1103	201	501	0	502	20	20	1	000000	.00	159.05
1104	301	501	0	502	20	20	1	000000	.00	159.05
1105	632	512	0	511	20	20	1	000000	.00	2.55
1106	701	501	0	502	20	20	1	000000	.00	145.54
1107	801	501	0	502	20	20	1	000000	.00	145.54
1108	901	501	0	502	20	20	1	000000	.00	164.18
1109	1001	501	0	502	20	20	1	000000	.00	164.18
1111	401	506	0	400	20	20	1	000000	.00	3.70
1201	3	503	0	34	10	10	1	000000	.00	163.34
1202	6	506	0	35	10	10	1	000000	.00	162.78
1203	9	541	0	36	10	10	1	000000	.00	169.78
1204	12	512	0	37	10	10	1	000000	.00	156.78
1205	15	633	0	38	10	10	1	000000	.00	164.45
1206	18	634	0	39	10	10	1	000000	.00	160.31
1207	21	689	0	40	10	10	1	000000	.00	155.04
1208	24	690	0	41	10	10	1	000000	.00	165.30
1209	33	540	0	42	10	10	1	000000	.00	173.75
1210	103	503	0	134	10	10	1	000000	.00	177.71
1211	106	340	0	135	10	10	1	000000	.00	195.72
1212	109	506	0	136	10	10	1	000000	.00	175.10
1213	112	512	0	137	10	10	1	000000	.00	170.00
1214	115	633	0	138	10	10	1	000000	.00	169.50
1215	118	634	0	139	10	10	1	000000	.00	169.50
1216	121	689	0	140	10	10	1	000000	.00	182.10
1217	124	690	0	141	10	10	1	000000	.00	181.05
1218	133	541	0	142	10	10	1	000000	.00	183.69
1219	203	503	0	209	10	10	1	000000	.00	157.40
1220	205	506	0	210	10	10	1	000000	.00	158.27

CE SYSTEM 80 + VERTICAL MODEL

R A M E E L E M E N T D A T A

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS N1 N2		PROPERTY-ID END-I END-J		REL CODES	REF TEMP	ELEMENT LENGTH
1221	303	503	0	309	10	10	1 000000	.00	157.37
1222	305	506	0	310	10	10	1 000000	.00	158.24
1223	308	540	0	311	10	10	1 000000	.00	157.45
1224	703	503	0	730	10	10	1 000000	.00	147.11
1225	706	506	0	731	10	10	1 000000	.00	145.44
1226	708	509	0	732	10	10	1 000000	.00	144.91
1227	711	512	0	733	10	10	1 000000	.00	145.03
1228	713	633	0	734	10	10	1 000000	.00	138.98
1229	716	634	0	735	10	10	1 000000	.00	142.36
1230	719	688	0	736	10	10	1 000000	.00	133.96
1231	803	503	0	830	10	10	1 000000	.00	147.07
1232	806	506	0	831	10	10	1 000000	.00	145.41
1233	808	509	0	832	10	10	1 000000	.00	145.48
1234	811	512	0	833	10	10	1 000000	.00	145.81
1235	813	633	0	834	10	10	1 000000	.00	138.98
1236	816	634	0	835	10	10	1 000000	.00	142.36
1237	819	688	0	836	10	10	1 000000	.00	133.96
1238	903	503	0	922	10	10	1 000000	.00	153.57
1239	906	506	0	923	10	10	1 000000	.00	153.43
1240	909	512	0	924	10	10	1 000000	.00	150.83
1241	912	633	0	925	10	10	1 000000	.00	154.89
1242	915	634	0	926	10	10	1 000000	.00	168.41
1243	921	509	0	927	10	10	1 000000	.00	170.79
1244	1003	503	0	1022	10	10	1 000000	.00	153.61
1245	1006	506	0	1023	10	10	1 000000	.00	153.47
1246	1009	512	0	1024	10	10	1 000000	.00	152.01
1247	1012	633	0	1025	10	10	1 000000	.00	155.68
1248	1015	634	0	1026	10	10	1 000000	.00	168.55
1249	1021	509	0	1027	10	10	1 000000	.00	171.13
1250	2224	542	0	638	20	20	1 000000	.00	7.74
1251	2225	542	0	638	20	20	1 000000	.00	13.13
1252	2226	542	0	638	20	20	1 000000	.00	7.74
1253	2227	542	0	638	20	20	1 000000	.00	13.13
1254	2285	543	0	638	20	20	1 000000	.00	32.35
1255	2286	543	0	638	20	20	1 000000	.00	32.35
1256	2250	544	0	638	20	20	1 000000	.00	10.15
1257	2251	544	0	638	20	20	1 000000	.00	10.91
1258	2252	544	0	638	20	20	1 000000	.00	10.15
1259	2253	544	0	638	20	20	1 000000	.00	10.91
1260	2305	545	0	638	20	20	1 000000	.00	37.67
1261	2306	545	0	638	20	20	1 000000	.00	43.59
1262	2307	546	0	638	20	20	1 000000	.00	40.36
1263	2308	546	0	638	20	20	1 000000	.00	46.29
1264	2309	546	0	638	20	20	1 000000	.00	18.76
1265	2310	546	0	638	20	20	1 000000	.00	24.63
1301	2234	2239	0	2279	121	121	1 000000	.00	1.97
1302	2239	2357	0	2279	122	122	1 000000	.00	8.49
1303	2357	2358	0	2279	123	123	1 000000	.00	6.14
1304	2358	2359	0	2279	124	124	1 000000	.00	5.95
1305	2359	2360	0	2279	125	125	1 000000	.00	12.00
1306	2231	2282	0	2254	126	126	1 000000	.00	1.53

CE SYSTEM 80 + VERTICAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS N1 N2		PROPERTY-ID END-I END-J		VAR	REL CODES	REF TEMP	ELEMENT LENGTH
1307	2232	2233	0	2254	127	127	1	000000	.00	1.70
1308	2233	2234	0	2254	128	128	1	000000	.00	7.06
1309	2254	2284	0	2231	126	126	1	000000	.00	1.53
1310	2249	2244	0	2231	127	127	1	000000	.00	1.70
1311	2244	2234	0	2231	128	128	1	000000	.00	7.06
1312	2221	2281	0	2231	126	126	1	000000	.00	1.53
1313	2222	2223	0	2231	127	127	1	000000	.00	1.70
1314	2223	2234	0	2231	128	128	1	000000	.00	7.06
1315	2230	2283	0	2254	126	126	1	000000	.00	1.53
1316	2229	2228	0	2254	127	127	1	000000	.00	1.70
1317	2228	2234	0	2254	128	128	1	000000	.00	7.06
1318	2224	2231	0	2359	129	129	1	000000	.00	.50
1319	2231	2235	0	2359	130	130	1	000000	.00	.33
1320	2235	2240	0	2359	131	131	1	000000	.00	17.99
1321	2240	2245	0	2359	132	132	1	000000	.00	.79
1322	2245	2335	0	2359	133	133	1	000000	.00	.29
1323	2335	2340	0	2359	134	134	1	000000	.00	.13
1324	2340	2345	0	2359	135	135	1	000000	.00	1.10
1325	2345	2349	0	2359	135	135	1	000000	.00	.16
1326	2349	2350	0	2359	128	128	1	000000	.00	1.75
1327	2350	2361	0	2351	136	136	1	000000	.00	.41
1328	2361	2365	0	2351	137	137	1	000000	.00	.77
1329	2365	2370	0	2351	138	138	1	000000	.00	.35
1330	2370	2359	0	2351	128	128	1	000000	.00	8.61
1331	2250	2255	0	2335	139	139	1	000000	.00	.92
1332	2255	2245	0	2335	128	128	1	000000	.00	1.25
1333	2225	2254	0	2359	129	129	1	000000	.00	.50
1334	2254	2236	0	2359	130	130	1	000000	.00	.33
1335	2236	2241	0	2359	131	131	1	000000	.00	17.99
1336	2241	2246	0	2359	132	132	1	000000	.00	.79
1337	2246	2336	0	2359	133	133	1	000000	.00	.29
1338	2336	2341	0	2359	134	134	1	000000	.00	.13
1339	2341	2346	0	2359	135	135	1	000000	.00	1.10
1340	2346	2354	0	2359	135	135	1	000000	.00	.16
1341	2354	2351	0	2359	128	128	1	000000	.00	1.75
1342	2351	2362	0	2350	136	136	1	000000	.00	.41
1343	2362	2366	0	2350	137	137	1	000000	.00	.77
1344	2366	2371	0	2350	138	138	1	000000	.00	.35
1345	2371	2359	0	2350	128	128	1	000000	.00	8.61
1346	2251	2256	0	2335	139	139	1	000000	.00	.92
1347	2256	2246	0	2335	128	128	1	000000	.00	1.25
1348	2226	2221	0	2359	129	129	1	000000	.00	.50
1349	2221	2237	0	2359	130	130	1	000000	.00	.33
1350	2237	2242	0	2359	131	131	1	000000	.00	17.99
1351	2242	2247	0	2359	132	132	1	000000	.00	.79
1352	2247	2337	0	2359	133	133	1	000000	.00	.29
1353	2337	2342	0	2359	134	134	1	000000	.00	.13
1354	2342	2347	0	2359	135	135	1	000000	.00	1.10
1355	2347	2355	0	2359	135	135	1	000000	.00	.16
1356	2355	2352	0	2359	128	128	1	000000	.00	1.75
1357	2352	2363	0	2350	136	136	1	000000	.00	.41

CE SYSTEM 80 + VERTICAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS		PROPERTY-ID		VAR	REL COES	REF TEMP	ELEMENT LENGTH
			N1	N2	END-I	END-J				
1358	2363	2367	0	2350	137	137	1	000000	.00	.77
1359	2367	2372	0	2350	138	138	1	000000	.00	.35
1360	2372	2359	0	2350	128	128	1	000000	.00	8.61
1361	2257	2257	0	2337	139	139	1	000000	.00	.92
1362	2257	2247	0	2337	128	128	1	000000	.00	1.25
1363	2227	2230	0	2359	129	129	1	000000	.00	.50
1364	2230	2238	0	2359	130	130	1	000000	.00	.33
1365	2238	2243	0	2359	131	131	1	000000	.00	17.99
1366	2243	2248	0	2359	132	132	1	000000	.00	.79
1367	2248	2338	0	2359	133	133	1	000000	.00	.29
1368	2338	2343	0	2359	134	134	1	000000	.00	.13
1369	2343	2348	0	2359	135	135	1	000000	.00	1.10
1370	2348	2356	0	2359	135	135	1	000000	.00	.16
1371	2356	2353	0	2359	128	128	1	000000	.00	1.75
1372	2353	2364	0	2351	136	136	1	000000	.00	.41
1373	2364	2368	0	2351	137	137	1	000000	.00	.77
1374	2368	2373	0	2351	138	138	1	000000	.00	.35
1375	2373	2359	0	2351	128	128	1	000000	.00	8.61
1376	2253	2258	0	2338	139	139	1	000000	.00	.92
1377	2258	2248	0	2338	128	128	1	000000	.00	1.25
1378	2415	2416	0	2279	135	135	1	000000	.00	.10
1379	2415	2416	0	2279	135	135	1	000000	.00	.10
1380	2415	2416	0	2279	135	135	1	000000	.00	.10
1381	2261	2263	0	2321	140	140	1	000000	.00	.52
1382	2263	2265	0	2321	128	128	1	000000	.00	.13
1383	2265	2267	0	2321	141	141	1	000000	.00	.08
1384	2267	2269	0	2321	142	142	1	000000	.00	.33
1385	2269	2271	0	2321	143	143	1	000000	.00	.96
1386	2271	2273	0	2321	144	144	1	000000	.00	.96
1387	2273	2275	0	2321	145	145	1	000000	.00	1.24
1388	2275	2277	0	2321	146	146	1	000000	.00	3.72
1389	2277	2279	0	2321	147	147	1	000000	.00	3.72
1390	2279	2291	0	2321	148	148	1	000000	.00	2.25
1391	2291	2293	0	2321	149	149	1	000000	.00	13.08
1392	2293	2295	0	2321	150	150	1	000000	.00	7.98
1393	2295	2297	0	2321	151	151	1	000000	.00	3.57
1394	2297	2299	0	2321	152	152	1	000000	.00	3.57
1395	2299	2301	0	2321	153	153	1	000000	.00	4.46
1396	2301	2311	0	2321	154	154	1	000000	.00	5.33
1397	2311	2313	0	2321	155	155	1	000000	.00	5.41
1398	2305	2303	0	2409	156	156	1	000000	.00	6.33
1399	2303	2301	0	2409	157	157	1	000000	.00	1.83
1400	2325	2323	0	2410	158	158	1	000000	.00	.68
1401	2323	2317	0	2410	159	159	1	000000	.00	.52
1402	2317	2313	0	2410	128	128	1	000000	.00	9.68
1403	2321	2319	0	2410	158	158	1	000000	.00	.68
1404	2319	2315	0	2410	159	159	1	000000	.00	.52
1405	2315	2313	0	2410	128	128	1	000000	.00	9.68
1406	2415	2416	0	2279	135	135	1	000000	.00	.10
1407	2415	2416	0	2279	135	135	1	000000	.00	.10
1408	2415	2416	0	2279	135	135	1	000000	.00	.10

CE SYSTEM 80 + VERTICAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS N1 N2		PROPERTY-ID END-I END-J		VAR	REL CODES	REF TEMP	ELEMENT LENGTH
1409	2415	2416	0	2279	135	135	1	000000	.00	.10
1410	2415	2416	0	2279	135	135	1	000000	.00	.10
1411	2262	2264	0	2321	140	140	1	000000	.00	.52
1412	2264	2266	0	2321	128	128	1	000000	.00	.13
1413	2266	2268	0	2321	141	141	1	000000	.00	.08
1414	2268	2270	0	2321	142	142	1	000000	.00	.33
1415	2270	2272	0	2321	143	143	1	000000	.00	.96
1416	2272	2274	0	2321	144	144	1	000000	.00	.96
1417	2274	2276	0	2321	145	145	1	000000	.00	1.24
1418	2276	2278	0	2321	146	146	1	000000	.00	3.72
1419	2278	2280	0	2321	147	147	1	000000	.00	3.72
1420	2280	2292	0	2321	148	148	1	000000	.00	2.25
1421	2292	2294	0	2321	149	149	1	000000	.00	13.08
1422	2294	2296	0	2321	150	150	1	000000	.00	7.98
1423	2296	2298	0	2321	151	151	1	000000	.00	3.57
1424	2298	2300	0	2321	152	152	1	000000	.00	3.57
1425	2300	2302	0	2321	153	153	1	000000	.00	4.46
1426	2302	2312	0	2321	154	154	1	000000	.00	5.33
1427	2312	2314	0	2321	155	155	1	000000	.00	5.41
1428	2306	2304	0	2409	156	156	1	000000	.00	6.33
1429	2304	2302	0	2409	157	157	1	000000	.00	1.83
1430	2326	2324	0	2410	158	158	1	000000	.00	.68
1431	2324	2318	0	2410	159	159	1	000000	.00	.52
1432	2318	2314	0	2410	128	128	1	000000	.00	9.68
1433	2322	2320	0	2410	158	158	1	000000	.00	.68
1434	2320	2316	0	2410	159	159	1	000000	.00	.52
1435	2316	2314	0	2410	128	128	1	000000	.00	9.68
1436	2415	2416	0	2279	135	135	1	000000	.00	.10
1437	2415	2416	0	2279	135	135	1	000000	.00	.10
1438	2415	2416	0	2279	135	135	1	000000	.00	.10
1439	2415	2416	0	2279	135	135	1	000000	.00	.10
1440	2415	2416	0	2279	135	135	1	000000	.00	.10
1441	2359	2405	0	2412	128	128	1	000000	.00	8.54
1442	2405	2403	0	2412	160	160	1	000000	.00	.42
1443	2403	2401	0	2412	161	161	1	000000	.00	.55
1444	2401	2399	0	2412	162	162	1	000000	.00	.46
1445	2399	2397	0	2412	163	163	1	000000	.00	.57
1446	2397	2395	0	2412	164	164	1	000000	.00	10.91
1447	2395	2393	0	2279	165	165	1	000000	.00	.80
1448	2393	2391	0	2279	165	165	1	000000	.00	.80
1449	2391	2389	0	2279	165	165	1	000000	.00	.80
1450	2389	2383	0	2279	165	165	1	000000	.00	.80
1451	2383	2381	0	2279	166	166	1	000000	.00	.63
1452	2381	2379	0	2261	167	167	1	000000	.00	.36
1453	2379	2377	0	2261	168	168	1	000000	.00	.64
1454	2377	2375	0	2261	169	169	1	000000	.00	.52
1455	2375	2279	0	2261	128	128	1	000000	.00	7.49
1456	2415	2416	0	2279	135	135	1	000000	.00	.10
1457	2415	2416	0	2279	135	135	1	000000	.00	.10
1458	2415	2416	0	2279	135	135	1	000000	.00	.10
1459	2415	2416	0	2279	135	135	1	000000	.00	.10

CE SYSTEM 80 + VERTICAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS		PROPERTY-ID		REL	REF	ELEMENT
			N1	N2	END-I	END-J	VAR	TEMP	LENGTH
1460	2415	2416	0	2279	135	135	1	000000	.00 .10
1461	2359	2406	0	2412	128	128	1	000000	.00 8.54
1462	2406	2404	0	2412	160	160	1	000000	.00 .42
1463	2404	2402	0	2412	161	161	1	000000	.00 .55
1464	2402	2400	0	2412	162	162	1	000000	.00 .46
1465	2400	2398	0	2412	163	163	1	000000	.00 .57
1466	2398	2396	0	2412	164	164	1	000000	.00 10.91
1467	2396	2394	0	2279	165	165	1	000000	.00 .80
1468	2394	2392	0	2279	165	165	1	000000	.00 .80
1469	2392	2390	0	2279	165	165	1	000000	.00 .80
1470	2390	2384	0	2279	165	165	1	000000	.00 .80
1471	2384	2382	0	2279	166	166	1	000000	.00 .63
1472	2382	2380	0	2261	167	167	1	000000	.00 .36
1473	2380	2378	0	2261	168	168	1	000000	.00 .64
1474	2378	2376	0	2261	169	169	1	000000	.00 .52
1475	2376	2280	0	2261	128	128	1	000000	.00 .49
1476	2282	2232	0	2231	170	170	1	000000	.00 .01
1477	2284	2249	0	2254	170	170	1	000000	.00 .01
1478	2281	2222	0	2221	170	170	1	000000	.00 .01
1479	2283	2229	0	2230	170	170	1	000000	.00 .01
1480	2285	2261	0	2263	171	171	1	000000	.00 .01
1481	2286	2262	0	2264	171	171	1	000000	.00 .01
1482	2309	2325	0	2313	172	172	1	000000	.00 .01
1483	2307	2321	0	2313	172	172	1	000000	.00 .01
1484	2310	2326	0	2314	172	172	1	000000	.00 .01
1485	2308	2322	0	2314	172	172	1	000000	.00 .01
1501	2	102	0	101	10	10	1	000000	.00 144.05
1502	33	105	0	101	10	10	1	000000	.00 153.10
1503	5	108	0	107	10	10	1	000000	.00 142.31
1504	8	133	0	110	10	10	1	000000	.00 158.23
1505	11	111	0	110	10	10	1	000000	.00 159.64
1506	14	114	0	113	10	10	1	000000	.00 151.82
1507	17	117	0	116	10	10	1	000000	.00 153.66
1508	20	120	0	119	10	10	1	000000	.00 170.68
1509	23	123	0	119	10	10	1	000000	.00 166.56
1510	2	202	0	201	10	10	1	000000	.00 128.96
1511	5	204	0	201	10	10	1	000000	.00 126.16
1512	107	302	0	301	10	10	1	000000	.00 241.41
1513	105	308	0	301	10	10	1	000000	.00 142.95
1514	108	304	0	301	10	10	1	000000	.00 145.28
1515	202	702	0	201	10	10	1	000000	.00 86.75
1516	204	705	0	201	10	10	1	000000	.00 90.02
1517	302	802	0	801	10	10	1	000000	.00 86.75
1518	304	805	0	304	10	10	1	000000	.00 90.02
1519	702	902	0	901	10	10	1	000000	.00 113.21
1520	705	905	0	904	10	10	1	000000	.00 109.53
1521	707	921	0	907	10	10	1	000000	.00 109.14
1522	710	908	0	907	10	10	1	000000	.00 121.09
1523	711	911	0	910	10	10	1	000000	.00 129.94
1524	712	914	0	913	10	10	1	000000	.00 138.59
1525	801	1002	0	1001	10	10	1	000000	.00 113.21

CE CY: 01 00 + VERTICAL MODEL

FRAME ELEMENT DATA

ELT ID	JOINT END-I	JOINT END-J	LOCAL-AXIS		PROPERTY-ID		REL	REF	ELEMENT
			N1	N2	END-I	END-J	VAR	TEMP	LENGTH
1526	805	1005	0	1004	10	10	1	000000	.00 109.73
1527	807	1021	0	1007	10	10	1	000000	.00 109.14
1528	910	1008	0	1007	10	10	1	000000	.00 121.09
1529	812	1011	0	1010	10	10	1	000000	.00 124.69
1530	815	1014	0	1010	10	10	1	000000	.00 138.59
1531	902	1002	0	1001	10	10	1	000000	.00 200.12
1532	905	1005	0	1004	10	10	1	000000	.00 200.62
1533	921	1021	0	1007	10	10	1	000000	.00 205.65
1534	908	1008	0	1007	10	10	1	000000	.00 205.66
1535	911	1011	0	1010	10	10	1	000000	.00 183.53
1536	914	1014	0	1013	10	10	1	000000	.00 172.54

CE SYSTEM 80 + VERTICAL MODEL

TOTAL WEIGHTS AND MASSES

PROP	WEIGHT	MASS
1	.0000	.0000
2	.0000	.0000
3	.0000	.0000
4	.0000	.0000
5	.0000	.0000
6	.0000	.0000
7	.0000	.0000
8	.0000	.0000
9	.0000	.0000
10	.0000	.0000
11	.0000	.0000
12	.0000	.0000
13	.0000	.0000
14	.0000	.0000
15	.0000	.0000
16	.0000	.0000
17	.0000	.0000
18	.0000	.0000
19	.0000	.0000
20	.0000	.0000
21	.0000	.0000
22	.0000	.0000
23	.0000	.0000
24	.0000	.0000
25	.0000	.0000
26	.0000	.0000
27	.0000	.0000
28	.0000	.0000
29	.0000	.0000
30	.0000	.0000
31	.0000	.0000
32	.0000	.0000
33	.0000	.0000
34	.0000	.0000
35	.0000	.0000
36	.0000	.0000
37	.0000	.0000
38	.0000	.0000
39	.0000	.0000
40	.0000	.0000
41	.0000	.0000
42	.0000	.0000
43	.0000	.0000
44	.0000	.0000
45	.0000	.0000
46	.0000	.0000
47	.0000	.0000
48	.0000	.0000
49	.0000	.0000
50	.0000	.0000
51	.0000	.0000
52	.0000	.0000
53	.0000	.0000

CE SYSTEM 80 + VERTICAL MODEL

TOTAL WEIGHTS AND MASSES

PROP	WEIGHT	MASS
54	.0000	.0000
55	.0000	.0000
56	.0000	.0000
57	.0000	.0000
58	.0000	.0000
59	.0000	.0000
60	.0000	.0000
61	.0000	.0000
62	.0000	.0000
63	.0000	.0000
64	.0000	.0000
65	.0000	.0000
66	.0000	.0000
67	.0000	.0000
68	.0000	.0000
69	.0000	.0000
70	.0000	.0000
71	.0000	.0000
72	.0000	.0000
73	.0000	.0000
74	.0000	.0000
75	.0000	.0000
76	.0000	.0000
77	.0000	.0000
78	.0000	.0000
79	.0000	.0000
80	.0000	.0000
81	.0000	.0000
82	.0000	.0000
83	.0000	.0000
84	.0000	.0000
85	.0000	.0000
86	.0000	.0000
87	.0000	.0000
88	.0000	.0000
89	.0000	.0000
90	.0000	.0000
91	.0000	.0000
92	.0000	.0000
93	.0000	.0000
94	.0000	.0000
95	.0000	.0000
96	.0000	.0000
97	.0000	.0000
98	.0000	.0000
99	.0000	.0000
100	.0000	.0000
101	.0000	.0000
102	.0000	.0000
103	.0000	.0000
104	.0000	.0000
105	.0000	.0000
106	.0000	.0000

CE SYSTEM 80 + VERTICAL MODEL

TOTAL WEIGHTS AND MASSES

PROP	WEIGHT	MASS
107	.0000	.0000
108	.0000	.0000
109	.0000	.0000
110	.0000	.0000
111	.0000	.0000
112	.0000	.0000
113	.0000	.0000
114	.0000	.0000
115	.0000	.0000
116	.0000	.0000
117	.0000	.0000
118	.0000	.0000
119	.0000	.0000
120	.0000	.0000
121	.0000	.0000
122	.0000	.0000
123	.0000	.0000
124	.0000	.0000
125	.0000	.0000
126	.0000	.0000
127	.0000	.0000
128	.0000	.0000
129	.0000	.0000
130	.0000	.0000
131	.0000	.0000
132	.0000	.0000
133	.0000	.0000
134	.0000	.0000
135	.0000	.0000
136	.0000	.0000
137	.0000	.0000
138	.0000	.0000
139	.0000	.0000
140	.0000	.0000
141	.0000	.0000
142	.0000	.0000
143	.0000	.0000
144	.0000	.0000
145	.0000	.0000
146	.0000	.0000
147	.0000	.0000
148	.0000	.0000
149	.0000	.0000
150	.0000	.0000
151	.0000	.0000
152	.0000	.0000
153	.0000	.0000
154	.0000	.0000
155	.0000	.0000
156	.0000	.0000
157	.0000	.0000
158	.0000	.0000
159	.0000	.0000

CE SYSTEM 80 + VERTICAL MODEL

TOTAL WEIGHTS AND MASSES

PROP	WEIGHT	MASS
160	.0000	.0000
161	.0000	.0000
162	.0000	.0000
163	.0000	.0000
164	.0000	.0000
165	.0000	.0000
166	.0000	.0000
167	.0000	.0000
168	.0000	.0000
169	.0000	.0000
170	.0000	.0000
171	.0000	.0000
172	.0000	.0000
TOTAL	.0000	.0000

CE SYSTEM 80 + VERTICAL MODEL

JOINT AND ELEMENT OUTPUT SELECTION

TYPE		FIRST ID	LAST ID	ID INC	CODE
3	(JOINT MODES)	1	2416	1	1
3	(JOINT MODES)	25	32	1	0
3	(JOINT MODES)	34	42	1	0
3	(JOINT MODES)	125	132	1	0
3	(JOINT MODES)	134	142	1	0
3	(JOINT MODES)	206	207	1	0
3	(JOINT MODES)	209	210	1	0
3	(JOINT MODES)	306	307	1	0
3	(JOINT MODES)	309	311	1	0
3	(JOINT MODES)	402	402	1	0
3	(JOINT MODES)	530	539	1	0
3	(JOINT MODES)	645	687	1	0
3	(JOINT MODES)	720	729	1	0
3	(JOINT MODES)	730	736	1	0
3	(JOINT MODES)	820	829	1	0
3	(JOINT MODES)	830	836	1	0
3	(JOINT MODES)	916	920	1	0
3	(JOINT MODES)	922	927	1	0
3	(JOINT MODES)	1016	1020	1	0
3	(JOINT MODES)	1022	1027	1	0
3	(JOINT MODES)	2259	2260	1	0
3	(JOINT MODES)	2287	2290	1	0
3	(JOINT MODES)	2327	2334	1	0
3	(JOINT MODES)	2339	2339	1	0
3	(JOINT MODES)	2344	2344	1	0
3	(JOINT MODES)	2369	2369	1	0
3	(JOINT MODES)	2374	2374	1	0
3	(JOINT MODES)	2385	2385	1	0
3	(JOINT MODES)	2386	2388	1	0
3	(JOINT MODES)	2407	2416	1	0
3	(JOINT MODES)	1	1	1	0
3	(JOINT MODES)	101	101	1	0
3	(JOINT MODES)	201	201	1	0
3	(JOINT MODES)	301	301	1	0
3	(JOINT MODES)	501	501	1	0
3	(JOINT MODES)	701	701	1	0
3	(JOINT MODES)	801	801	1	0
3	(JOINT MODES)	901	901	1	0
3	(JOINT MODES)	1001	1001	1	0
5	(FRAME ELEMT)	1	1536	1	0
6	(SHELL ELEMT)	1	60	1	0

OUTPUT FILES CREATED BY PROGRAM

INPUT DATA ECHO	cev2cnrc.SAP
SOLUTION ERRORS AND WARNINGS	cev2cnrc.EKR
EQUATION NUMBERING	cev2cnrc.EQN
FREQUENCIES	cev2cnrc.RIT
DISPLACEMENTS AND REACTIONS	cev2cnrc.SOL
FRAME ELEMENT FORCES	cev2cnrc.F3F

ATTACHMENT 3

TABLE - 1

MODAL DAMPING IN SAP90 FORMAT (HOR. MODEL)

1 0.040	2 0.040	3 0.069	4 0.069	5 0.070
6 0.067	7 0.068	8 0.068	9 0.031	10 0.035
11 0.064	12 0.030	13 0.031	14 0.064	15 0.043
16 0.032	17 0.070	18 0.070	19 0.070	20 0.068
21 0.033	22 0.068	23 0.070	24 0.070	25 0.048
26 0.054	27 0.070	28 0.068	29 0.067	30 0.070
31 0.070	32 0.069	33 0.066	34 0.069	35 0.070
36 0.069	37 0.070	38 0.070	39 0.070	40 0.070

DESIGN VERIFICATION	
CLIENT	ABB CE
JOB NO.	8687 08013
CALC/PROB NO.	CTR-01
BY	SM
DATE	9/3/92
CHKD	SD
DATE	9/4/92

TABLE - 2

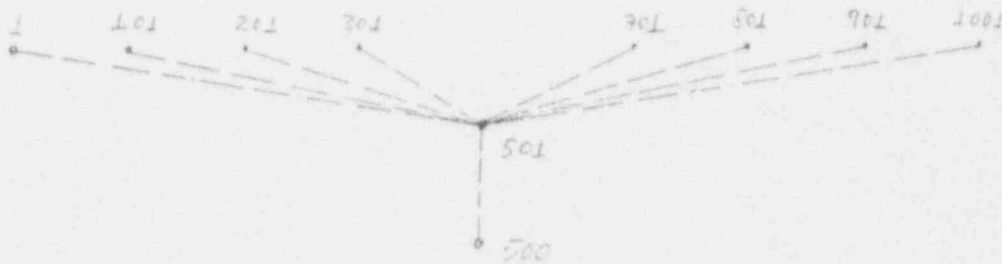
MODAL DAMPING IN SAP90 FORMAT (VERT. MODEL)

1	0.040	2	0.070	3	0.070	4	0.070	5	0.070
6	0.070	7	0.070	8	0.068	9	0.031	10	0.032
11	0.070	12	0.070	13	0.070	14	0.070	15	0.070
16	0.070	17	0.070	18	0.070	19	0.070	20	0.070

DESIGN VERIFICATION	
CLIENT	ACE
JOB NO	1012 00012
CALC/PROB NO	STR-01
BY: AM	DATE: 9/1/92
CHKD: (M)	DATE: 9/9/92

ATTACHMENT 4

FOR SST ANALYSIS
 PROVIDE CONNECTIONS AS SHOWN
 (ALL LINES RIGID)



COORDINATES of NODE 500 :
 X = 0
 Y = 0
 Z = + 40'

FIGURE B

0	LDK	8/15/92	JAD	7/4/92	 AEB Impell Corporation	JOB NO 1673-0002	PAGE
REV	BY	DATE	CHECKED	DATE		CALC NO STR-01	CONT ON

TABLE 3 - Foundation Masses (Horizontal Model)

NODE	FOUNDATION MASSES(HOR. MODEL)				
	X-TRAN	Y-TRAN	X-ROT	Y-ROT	Z-ROT
1	.124E+07	.124E+07	.260E+10	.296E+10	.550E+10
101	.155E+07	.155E+07	.309E+10	.526E+10	.829E+10
201	.308E+06	.308E+06	.582E+08	.385E+09	.430E+09
301	.308E+06	.308E+06	.582E+08	.385E+09	.430E+09
501	2.351E+06	2.351E+06	6.939E+09	7.012E+09	1.383E+10
701	.153E+06	.153E+06	.283E+08	.526E+08	.732E+08
801	.153E+06	.153E+06	.283E+08	.526E+08	.732E+08
901	.104E+07	.104E+07	.217E+10	.184E+10	.397E+10
1001	.104E+07	.104E+07	.217E+10	.184E+10	.397E+10

TABLE 4 - Foundation Masses (Vertical Model)

NODE	FOUNDATION MASSES (VERT. MODEL)			
	Z-TRAN	X-ROT	Y-ROT	Z-ROT
1	.124E+07	.260E+10	.296E+10	.550E+10
101	.155E+07	.309E+10	.526E+10	.829E+10
201	.308E+06	.532E+08	.385E+09	.430E+09
301	.308E+06	.582E+08	.385E+09	.430E+09
501	2.351E+06	6.939E+09	7.012E+09	1.383E+10
701	.153E+06	.283E+08	.526E+08	.732E+08
801	.153E+06	.283E+08	.526E+08	.732E+08
901	.104E+07	.217E+10	.187E+10	.397E+10
1001	.104E+07	.217E+10	.187E+10	.397E+10

ATTACHMENT 5

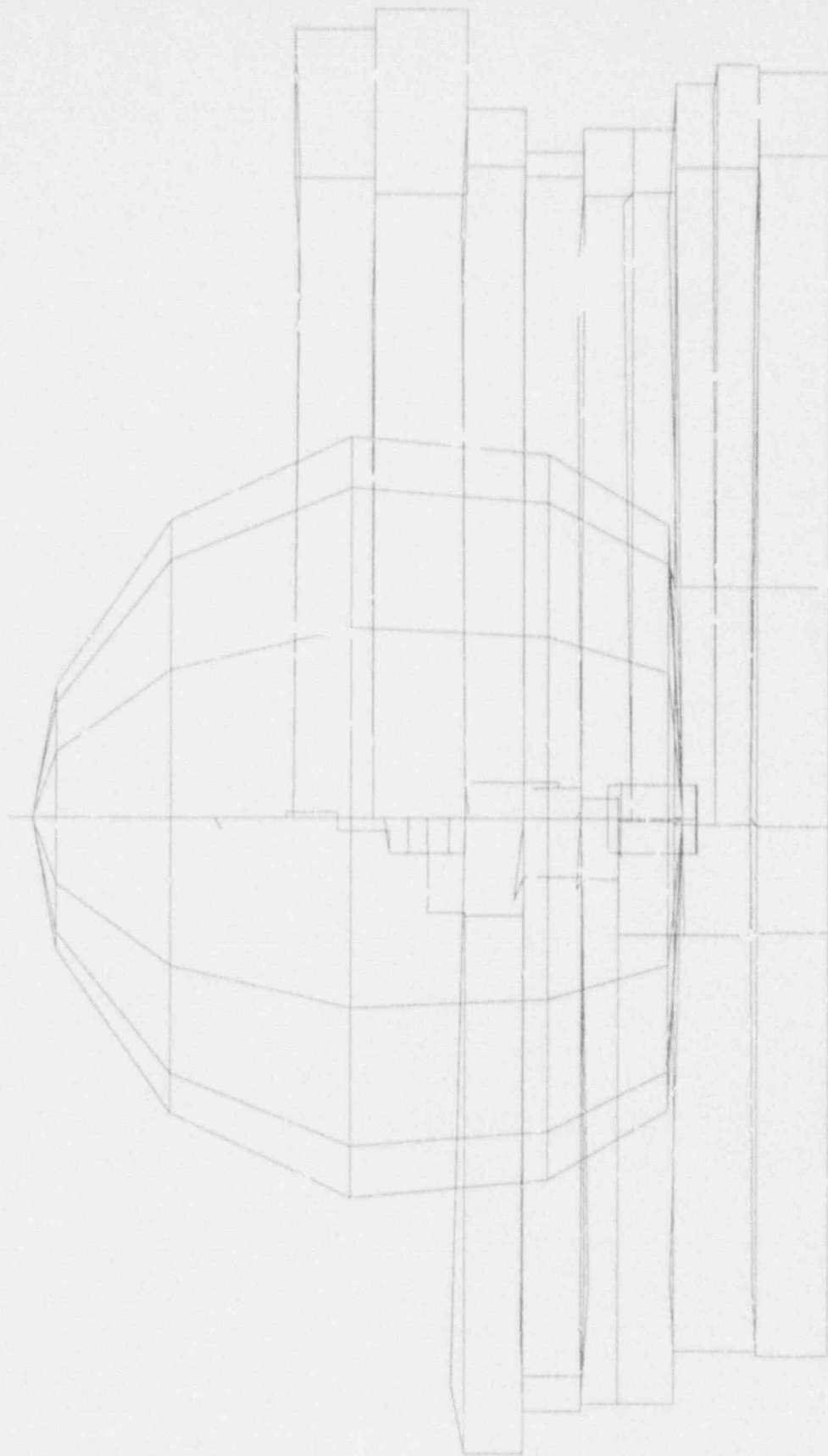
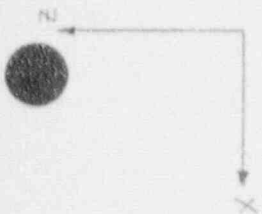


FIGURE 9

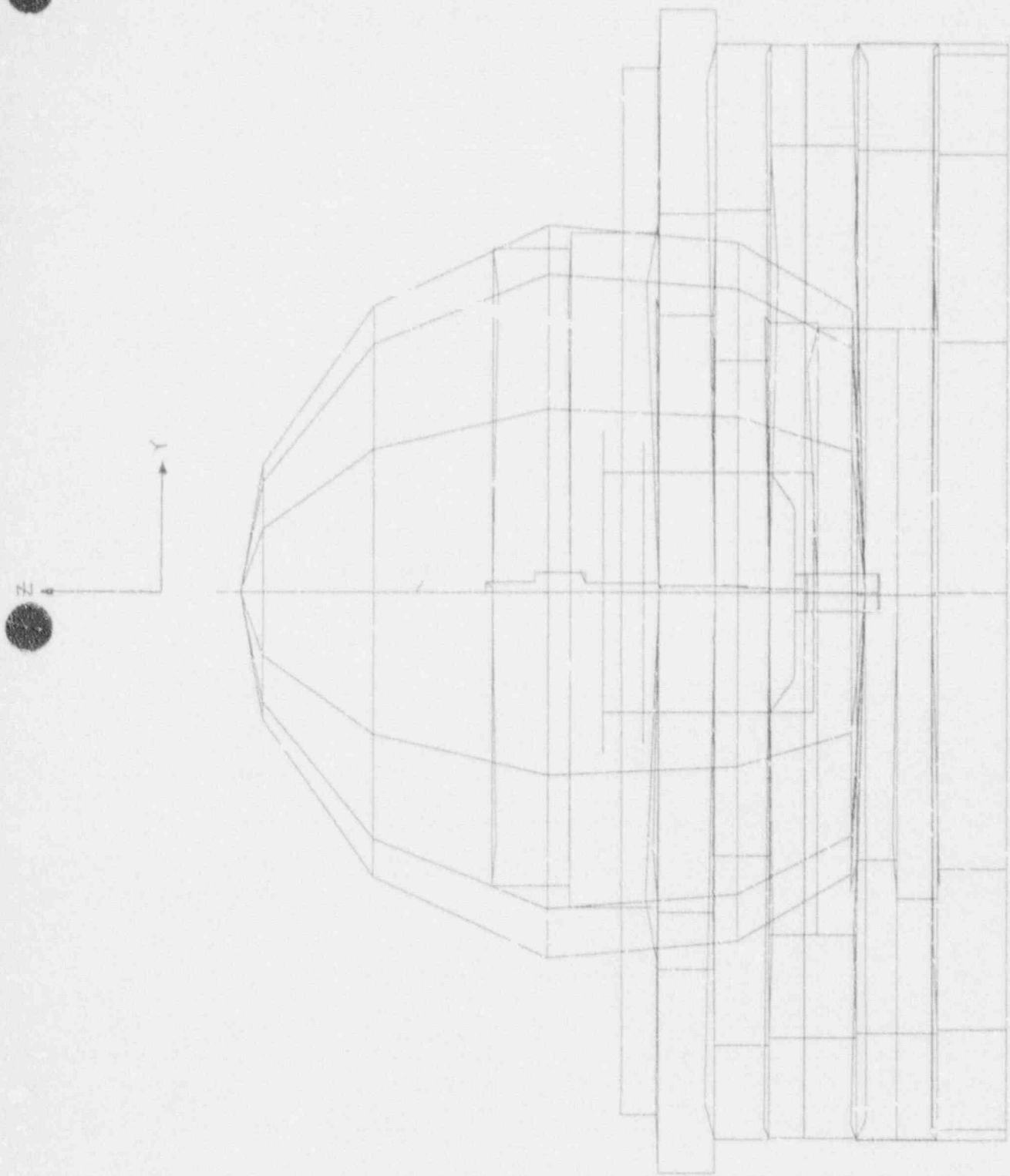


FIGURE 10

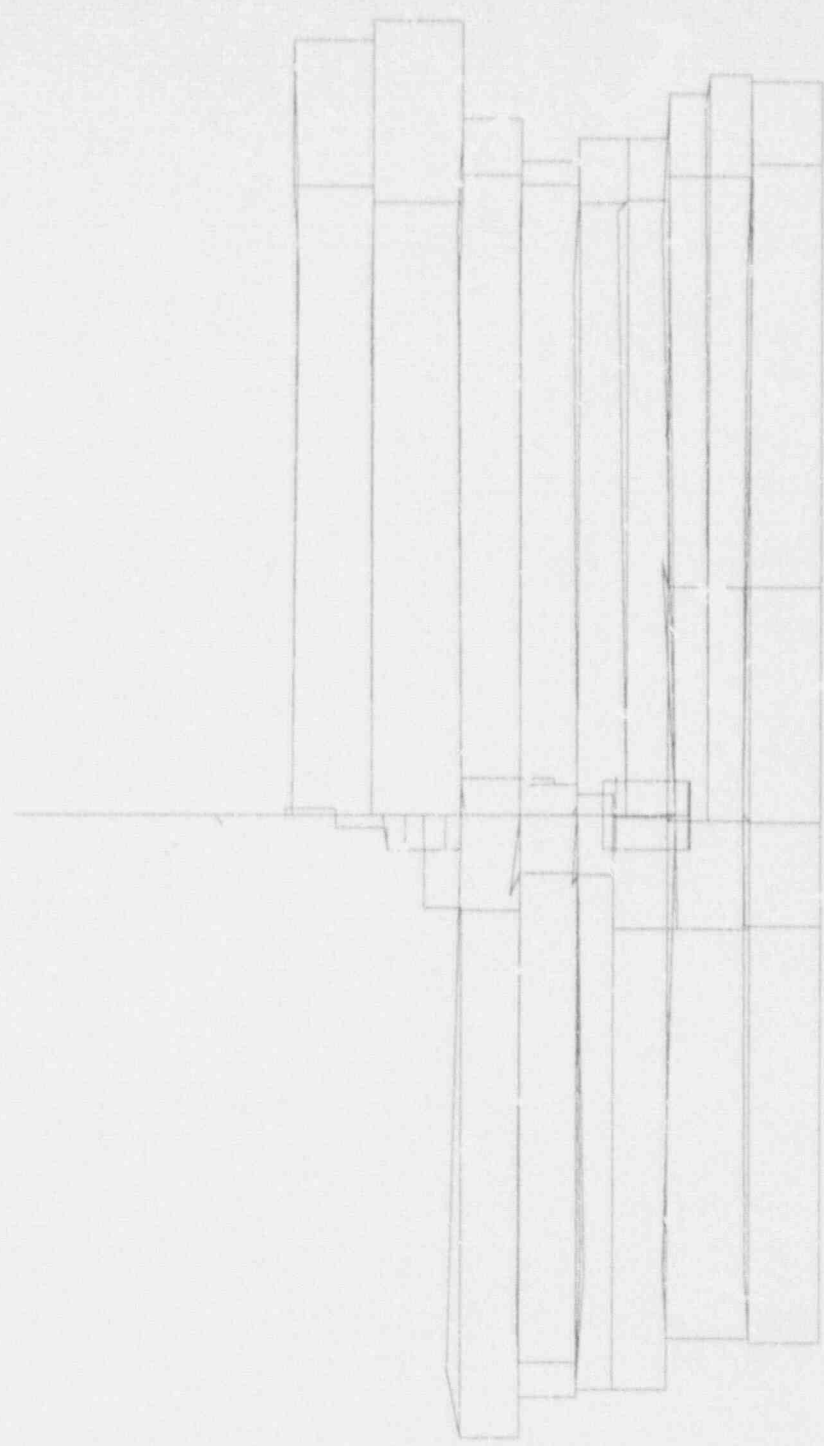
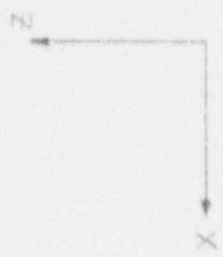


FIGURE 11



FIGURE 12