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MFN 06-251

Docket No. 52-010

July 28, 2006

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555-0001

Subject: **Revised Seismic Models for the ESBWR Control Building (CB)**

Enclosure 1 contains revised seismic models for the CB. These seismic models were originally transmitted to the NRC via the Reference 1 letter. The models were revised based on the following:

- Floor oscillators were added to consider the high frequency range up to 50 Hz.
- Appendix C, which provides clarifications of Dr. Constantino's questions in his July 16, 2006 letter to the NRC, was added.

If you have any questions about the information provided here, please let me know.

Sincerely,

*Kathy Sedney for*

David H. Hinds  
Manager, ESBWR

*DH*

Reference

1. MFN 06-194 – Letter from David H. Hinds to U.S. Nuclear Regulatory Commission, *Seismic Models for the ESBWR Reactor/Fuel Building Complex (RFBF) and Control Building (CB)*, dated June 28, 2006

Enclosure:


1. MFN 06-251 - Revised Seismic Models for the ESBWR Control Building (CB)

cc: WD Beckner USNRC (w/o enclosures)  
AE Cubbage USNRC (with enclosures)  
LA Dudes USNRC (w/o enclosures)  
GB Stramback GE/San Jose (with enclosures)  
eDRF 0000-0056-6114

**ENCLOSURE 1**

**MFN 06-251**

**Revised Seismic Models for the  
ESBWR Control Building (CB)**

Shimizu Engineering Report					
Project	General Electric Company ESBWR Project		Shimizu Document No.	SER-ESB-024	
Title	Revised Control Building Stick Model		Rev.	1	
			Issued Date	6/22/06	
			Revised Date	7/26/06	
<p>NOTE:</p> <p>This document provides the revised Control Building (CB) stick model in response to NRC's Audit comment on RAI 3.7-36.</p> <p>Rev. 0 of this report was originally issued by Reference 1.</p> <p>The following portions were revised in this revision.</p> <ol style="list-style-type: none"> <li>1) Floor oscillators are added to consider the high frequency range up to 50 Hz.</li> <li>2) Appendix C, which provides clarifications on Dr. Constantino's questions in his 7/16 letter to the NRC, was added.</li> </ol> <p>Reference: 1. SH-ESB-2006-0068, dated June 22, 2006</p>					
1	7/26/06	Revision of seismic model. Addition of Appendix C.	Y.O.	M.T	S.O
0	6/22/06	Initial Issue	Y.O.	M.T	S.O
Rev.	Date	Note	Approve	Review	Prepare
 <b>Shimizu Corporation</b>		Prepared by	S. Oguri	7/26/06	
		Reviewed by	M. Takeda	7/26/06	
		Approved by	Y. Orito	7/26/06	

## 1. Outline

This document provides the revised Control Building (CB) stick model in response to NRC's Audit comment on RAI 3.7-36.

The followings are revised portions from the original DCD model.

- 1) Add a mass in the middle of each stick connecting between the adjacent floors. The degree of freedoms were increased to capture the high frequency modes up to 50 Hz.
- 2) Add oscillator masses to capture floor modes at the high frequency up to 50 Hz.
- 3) Add a mass on the roof floor to model the penthouse dynamic behavior.

Tables 1 through 3 and Figures 1 and 2 show the revised model properties.

Appendix A shows eigenvalue analysis results.

Appendix B provides additional information for the preparation of SASSI model.

Appendix C provides clarifications on Dr. Constantino's questions in his 7/16 letter to the NRC.

## 2. Provided Data

The revised model properties in DAC3N and SASSI text format are provided separately as follows.

No.	File Name	Content	Program	Unit
1	SER-ESB-024-1.txt	Floor oscillators are modeled as it is. (lumped mass stick model used for design)	DAC3N	ton, cm
2	SER-ESB-024-2.txt	Floor oscillators are eliminated and their weights are added to the wall nodes. This model is used for the eigenvalue analysis in Appendix A.	DAC3N	ton, cm
3	SER-ESB-024-3.txt	Floor oscillators are modeled as it is. This model is basically same as No.1 model with modification for SASSI as described in Appendices B and C.	SASSI	ton, m
4	SER-ESB-024-4.txt	Floor oscillators are eliminated and their weights are added to the wall nodes.	SASSI	ton, m

Note; "ton" is metric tons for weight.

**Table 1 Seismic Model Properties of CB Model**

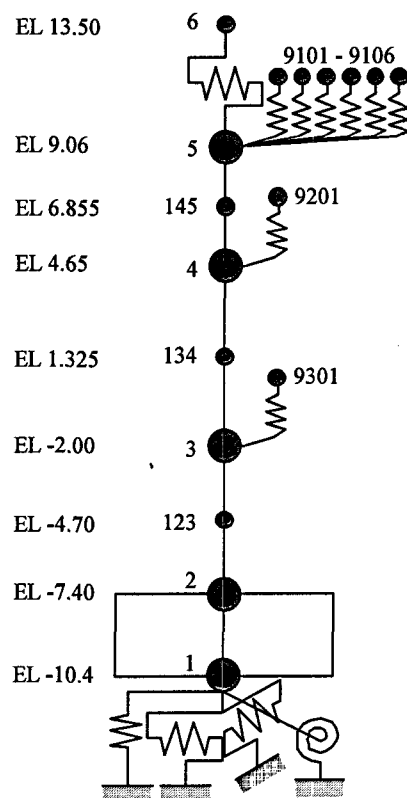
EL (m)	Node No.	Weight (kN)			Rotational Inertia ( $\times 10^4 \text{ kN}\cdot\text{m}^2$ )			Elem. No.	Shear Area ( $\text{m}^2$ )		Axial Area ( $\text{m}^2$ )	Moment of Inertia ( $\times 10^2 \text{ m}^4$ )			Material No.
		X (NS-dir)	Y (EW-dir)	Z (Vertical)	Jxx (EW-dir)	Jyy (NS-dir)	Jzz Torsion		Sx (NS-dir)	Sy (EW-dir)		Ixx (EW-dir)	Iyy (NS-dir)	Izz Torsion	
13.500	6	11278	11278	0	0	0	0								
		Spring Constant X-dir. $8.58 \times 10^4 \text{ MN/m}$ Y-dir. $5.62 \times 10^4 \text{ MN/m}$													
9.060	5	22065	22065	21427	191	303	492	14	39.47	31.06	68.57	31.98	58.43	120.63	13
6.855	145	6080	6080	6080	0	0	0	145	39.47	31.06	68.57	31.98	58.43	120.63	13
4.650	4	26576	26576	23999	222	341	608	13	54.28	42.16	93.20	49.90	91.06	162.24	13
1.325	134	11180	11180	11180	0	0	0	134	54.28	42.16	93.20	49.90	91.06	162.24	13
-2.000	3	23173	23173	21708	221	328	592	12	54.54	61.45	110.95	94.13	92.09	161.49	13
-4.700	123	9356	9356	9356	0	0	0	123	54.54	61.45	110.95	94.13	92.09	161.49	13
-7.400	2	35333	35333	35333	217	333	542	11	721.14	721.14	721.14	340.40	551.73	985.06	9
-10.400	1	27949	27949	27949	134	216	346								

**Table 2 Material Constant**

	Material No.	Young's Modulus ( $\times 10^4 \text{ kN/m}^2$ )	Shear Modulus ( $\times 10^4 \text{ kN/m}^2$ )	Poisson's Ratio	Critical Damping (%)
					SSE
Basemat	9	2491	1055	0.17	7.0
Others	13	2785	1180	0.17	7.0

**Table 3 Slab Node Properties and Spring Constants**

EL (m)	Oscillators					
	Node No.	Weight (kN)	Spring No.	Node No.		Stiffness ( $\times 10^2$ kN/m)
				I-node	J-node	
9.06	9101	7311	9101	5	9101	2.98E+04
	9102	2502	9102	5	9102	2.22E+04
	9103	340	9103	5	9103	5.91E+03
	9104	680	9104	5	9104	1.91E+03
	9105	387	9105	5	9105	1.60E+04
	9106	696	9106	5	9106	4.89E+04
4.65	9201	2577	9201	4	9201	1.76E+05
-2.00	9301	1466	9301	3	9301	8.39E+04

**Figure 1 CB Seismic Model**



● Center of MASS  
 — Beam Element w/o Axial Area  
 --- Axial Element

● Center of MASS  
 — Beam Element w/o Axial Area  
 --- Axial Element

EL9.06 m 5 ●  
 EL6.855 m 145 ●  
 EL4.65 m 4 ●  
 EL1.325 m 134 ●  
 EL-2.0 m 3 ●  
 EL-4.7 m 123 ●  
 EL-7.4 m 2 ●  
 EL-10.4 m 1 ●

XZ Plane

EL9.06 m 5 ●  
 EL6.855 m 145 ●  
 EL4.65 m 4 ●  
 EL1.325 m 134 ●  
 EL-2.0 m 3 ●  
 EL-4.7 m 123 ●  
 EL-7.4 m 2 ●  
 EL-10.4 m 1 ●

YZ Plane

EL (m)	Node No.	Center of Gravity (m)		Center of Rigidity (m)		Centroid (m)	
		X (NS-dir)	Y (EW-dir)	X (NS-dir)	Y (EW-dir)	X (EW-dir)	Y (NS-dir)
9.060	5	14.62	11.33	15.14	11.45	14.89	11.45
6.855	145	14.53	11.12	15.14	11.45	14.89	11.45
4.650	4	14.53	11.12	14.94	11.51	14.80	11.48
1.325	134	14.48	11.10	14.94	11.51	14.80	11.48
-2.000	3	14.48	11.10	14.81	11.45	14.76	11.45
-4.700	123	14.63	11.31	14.70	11.45	14.76	11.45
-7.400	2	14.63	11.31	14.70	11.45	14.70	11.45
-10.400	1	14.56	11.22				

Figure 2 Center of Gravity, Center of Rigidity and Centroid

## Appendix A Eigenvalue Analysis Results

Analysis model conditions are follows.

- Fixed base case
- Eliminate floor oscillators and add their weights to Node 5, 4 and 3.

It was confirmed from the results that the number of dynamic degrees of freedom is no less than twice the number of modes below the cutoff frequency, 50Hz. (reference : RAI 3.4-24)

**Table A-1 Eigenvalue Analysis Results**

FIX	X			Y			Z		
	NODE= 8	DOF= 15		NODE= 8	DOF= 15		NODE= 7	DOF= 7	
1	2-th	10.89 Hz	6 X	1-th	10.28 Hz	6 Y	4-th	25.01 Hz	5 Z
2	3-th	16.67 Hz	6 X	6-th	26.96 Hz	134 Y	5-th	25.98 Hz	5 Z
3	8-th	34.56 Hz	6 X	7-th	32.07 Hz	6 Y	15-th	67.94 Hz	3 Z
4	10-th	46.76 Hz	6 X	9-th	44.33 Hz	6 Y	17-th	73.89 Hz	3 Z
5	11-th	49.64 Hz	6 X	12-th	53.14 Hz	5 Y			
6	13-th	61.04 Hz	6 X	18-th	87.75 Hz	134 Y			
7	14-th	64.7 Hz	5 X	19-th	92.71 Hz	134 Y			
8	16-th	72.05 Hz	4 X						
9	20-th	96.72 Hz	134 X						
10									
11									
12									
13									
14									
15									

**Appendix B Additional Information for SASSI Model**

The building structure model for the SASSI was modified from the original lumped mass-stick model as follows.


- 1) External walls below grade are modeled by shell elements which have the actual thickness
- 2) The stiffness and weight of the shell element is subtracted from the stick properties.

Table B-1 shows the model properties for SASSI obtained according to the above procedure. Figures B-2 and B-3 show the external walls below grade. Figure B-3 shows elevations of stick model masses and soil layers. Figure B-4 shows plan of the excavated soil model.

### Table B-1 SASSI Model Properties

EL (m)	Node No.	Weight (kN)			Rotational Inertia (x 10 <sup>4</sup> kN·m <sup>2</sup> )			Elem. No.	Shear Area (m <sup>2</sup> )		Axial Area (m <sup>2</sup> )	Moment of Inertia (x10 <sup>2</sup> m <sup>4</sup> )			Material No.
		X (NS-dir)	Y (EW-dir)	Z (Vertical)	Jxx (EW-dir)	Jyy (NS-dir)	Jzz Torsion		Sx (NS-dir)	Sy (EW-dir)	Sa (UD-dir)	Ixx (EW-dir)	Iyy (NS-dir)	Izz Torsion	
13.500	6	11278	11278	0	0	0	0								
									Spring Constant X-dir. 8.58x10 <sup>4</sup> MN/m Y-dir. 5.62x10 <sup>4</sup> MN/m						
9.060	5	22065	22065	21427	191	303	492	14	39.47	31.06	68.57	31.98	58.43	120.63	13
6.855	145	6080	6080	6080	0	0	0	145	39.47	31.06	68.57	31.98	58.43	120.63	13
4.650	4	24710	24710	22133	151	238	388	234	54.28	42.16	93.20	49.90	91.06	162.24	13
9.500	234	0	0	0	0	0	0	13	0.00	0.00	0.00	0.00	0.00	0.00	13
1.325	134	400	400	400	0	0	0	134	0.00	0.00	0.00	0.00	0.00	0.00	13
-2.000	3	19737	19737	18272	95	154	250	12	0.00	19.80	19.80	45.25	0.00	0.00	13
-4.700	123	334	334	334	0	0	0	123	0.00	19.80	19.80	45.25	0.00	0.00	13
-7.400	2	33765	33765	33765	163	262	420	11	721.14	721.14	721.14	340.40	551.73	985.06	9
-10.400	1	27949	27949	27949	134	216	346								

Below Grade

	EL (m)	Node No.	Center of Gravity (m)		Center of Rigidity (m)		Centroid (m)	
			X (NS-dir)	Y (EW-dir)	X (NS-dir)	Y (EW-dir)	X (EW-dir)	Y (NS-dir)
	9.060	5	14.62	11.33				
	6.855	145	14.51	11.00	15.14	11.45	14.89	11.4
	4.650	4	14.51	11.00	15.14	11.45	14.89	11.4
					14.94	11.51	14.80	11.4
 Below Grade	4.500	234	14.51	11.00				
	1.325	134	14.42	10.83	14.70	14.70	14.70	11.4
					14.70	14.70	14.70	11.4
	-2.000	3	14.42	10.83	14.70	14.70	14.70	11.4
	-4.700	123	14.63	11.26	14.70	14.70	14.70	11.4
	-7.400	2	14.63	11.26	14.70	14.70	14.70	11.4
	-10.400	1	14.56	11.22				

Below Grade

Note : Contribution of external walls below grade, which are shaded in Figures B-1 and B-2, are subtracted.

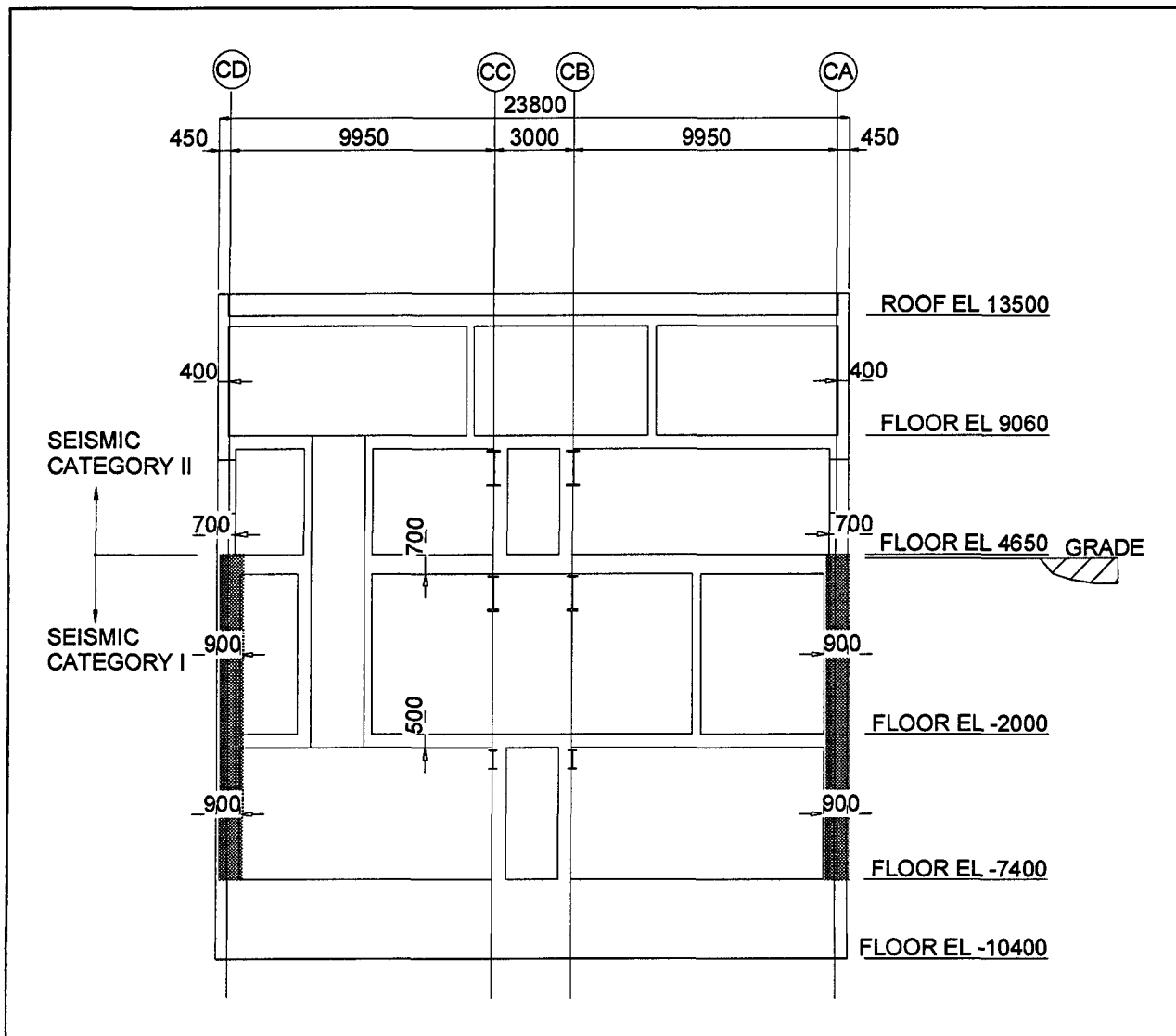
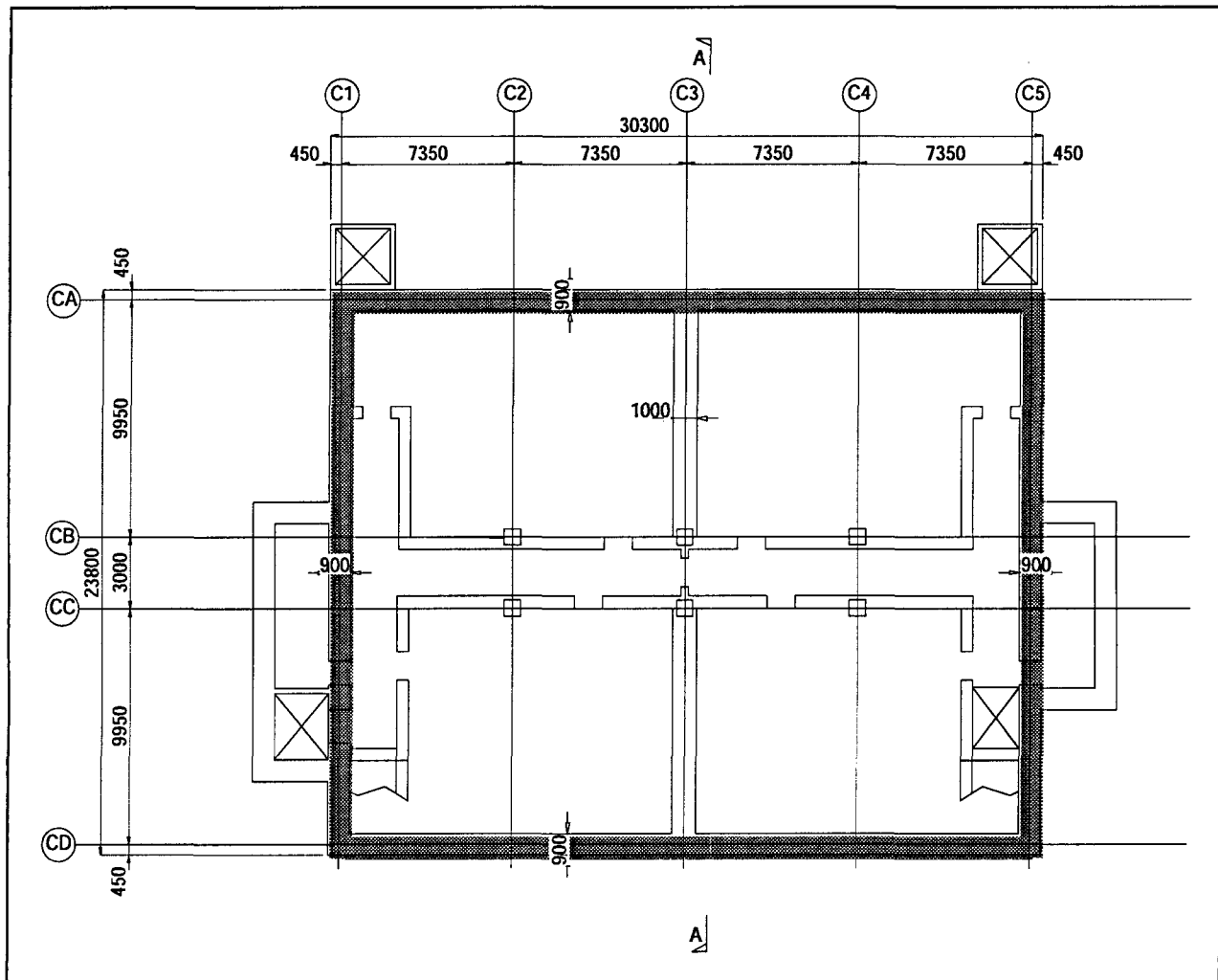
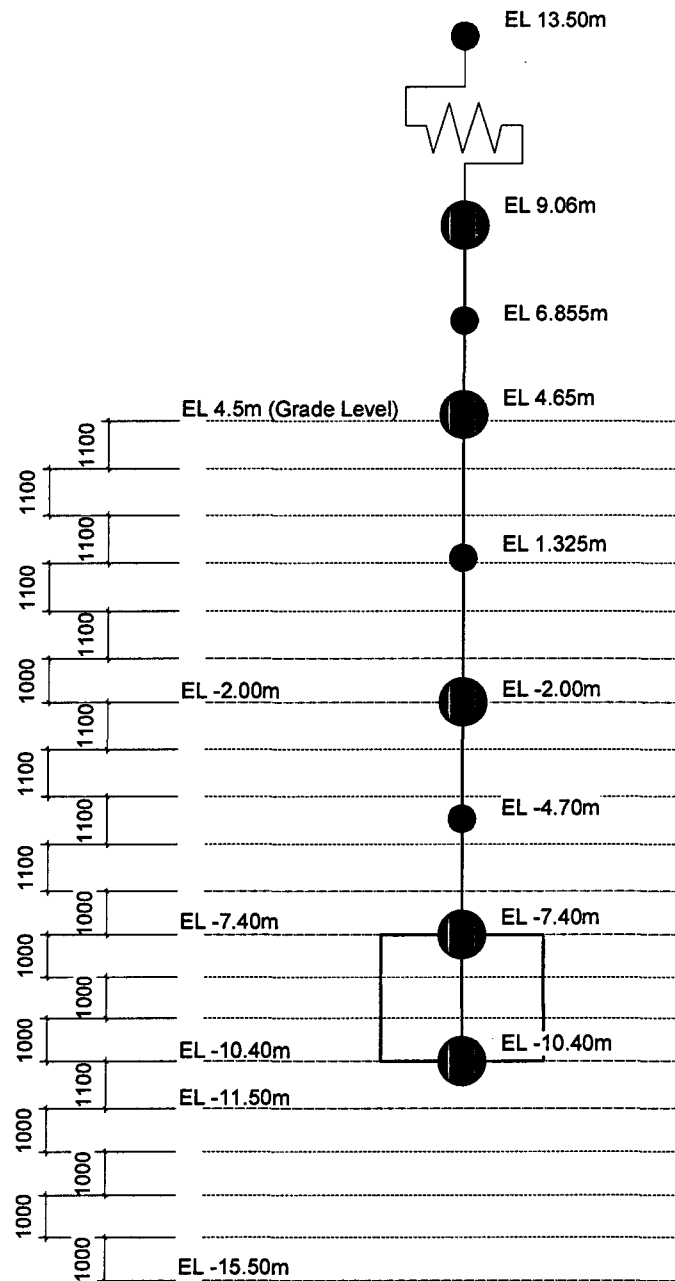


Figure B-1 Control Building EW-section

**Figure B-2 Control Building Floor at EL -7400**

**Figure B-3 Structural Stick Model and Soil Layers**

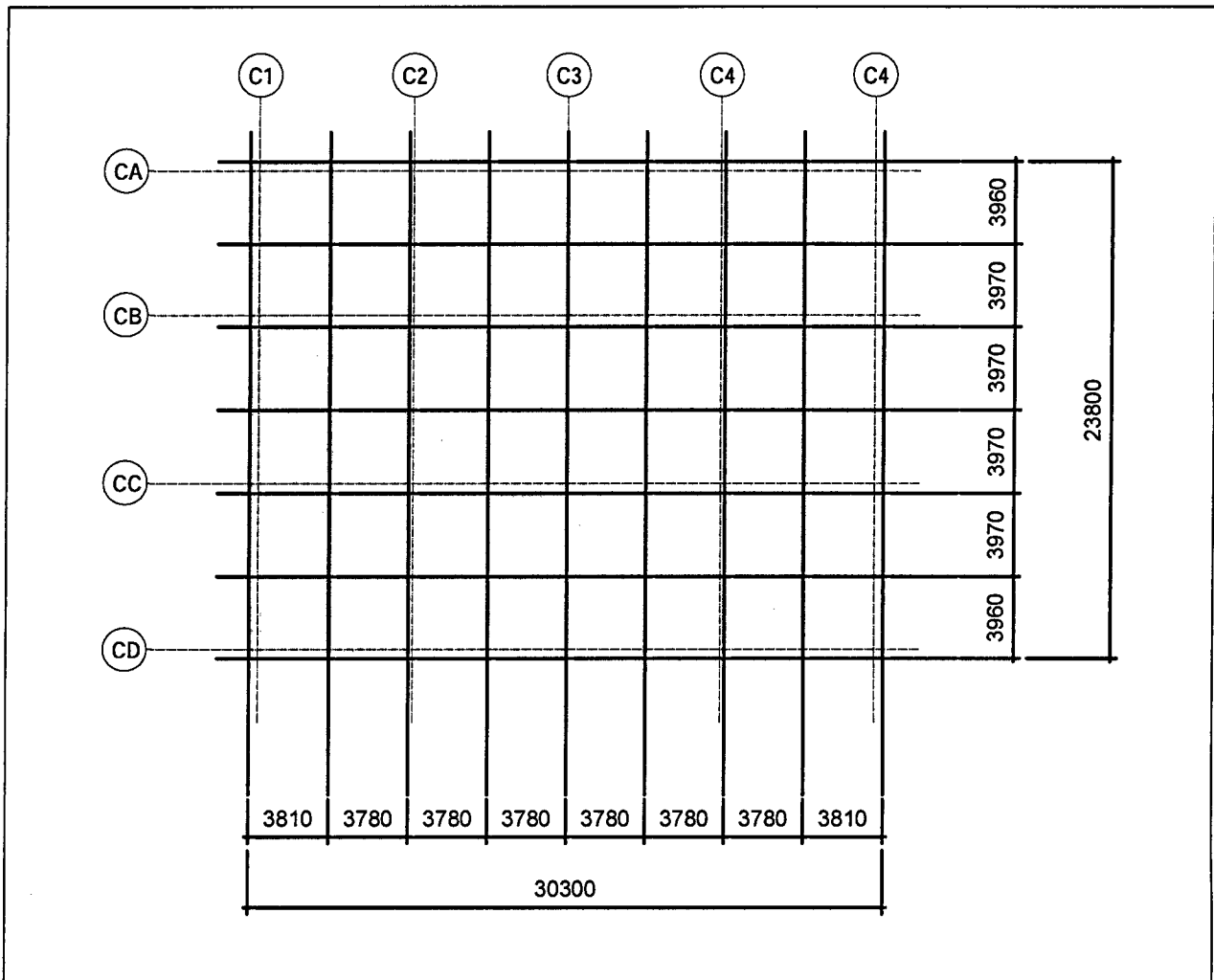


Figure B-4 Excavated Soil Model (Plan)



**Appendix C Clarifications on Dr. Constantino's questions in his 7/16 letter to the NRC**

This Appendix provides clarifications on Dr. Constantino's questions in his 7/16 letter to the NRC.

Before completing our development of the Control Building SASSI Model, we performed a quick comparison of previously provided stick models with those noted in SASSI house file. Some comments and questions on these models follow below. It would help us a great deal if GE staff could review our questions and respond as quickly as possible. Similar questions will follow later after we review the much large reactor building model. Throughout this document, italics indicate data taken from the report referenced in the title, and regular font indicates data taken from the SASSI house file.

- As shown in Table 1, the joint elevations between the SASSI house file and the report don't match up exactly. Is there a reason for these discrepancies?

Nodal Z values	
SASSI house	<i>Report</i>
-10.4	<i>-10.4</i>
-7.4	<i>-7.4</i>
	<i>-4.7</i>
-2	<i>-2</i>
	<i>1.35</i>
4.5	
4.65	<i>4.65</i>
	<i>6.855</i>
9.06	<i>9.06</i>

Table 1

[Response]

The reason for these discrepancies is that the SASSI house file was based on the original stick model and did not reflect the changes in the stick model provided in MFN 06-194. The updated SASSI house files, consistent with the current stick model properties in this report, are provided in "SER-ESB-024-3.txt" and "SER-ESB-024-4.txt" for models with and without floor oscillators, respectively.

## MATERIAL PROPERTIES

Table 2 compares the Young's Modulus, E, given in the SASSI house file with the Young's Modulus given in the report. The units given in the report are kN/m<sup>2</sup>, while the house file has gravity specified as 9.810.

- What is the correct young modulus, and what are the units for the numbers given?
- Why is the stiffness of the stick representing the facility floor in the house file out of proportion to that of the report?

Elevation			Elevation		
node1	node2	E (SASSI)	Node1	node2	E (report)
-10.4	-7.4	2.83E+06	-10.4	-7.4	2.49E+07
-7.4	-2	2.83E+06	-7.4	-4.7	2.79E+07
			-4.7	-2	2.79E+07
-2	4.5	2.83E+06	-2	1.35	2.79E+07
			1.35	4.65	2.79E+07
4.5	4.65	2.83E+06			
4.65	9.06	2.83E+06	4.65	6.855	2.79E+07
			6.855	9.06	2.79E+07

Table 2

[Response]

The units for Young's modules are in ton/m<sup>2</sup> in SASSI and kN/m<sup>2</sup> in the report. That is why the values differ by a factor of 9.81.

Stick between node 1 (EL-10.4) and node 2 (EL-7.4) is representing the basemat, whose Young's modulus is 2.49E7 kN/m<sup>2</sup> as shown in Table 1 of this report. On the other hands, Young's modulus for the other building portion is 2.79E7 kN/m<sup>2</sup>. The updated SASSI house files is consistent with these values.

### LOCATION OF SHEAR BEAMS, AXIAL BEAMS, AND LUMPED MASSES

The horizontal X and Y locations for the axial beams, when shifted by an amount such that the locations of the lumped masses and center of gravity align, are very close to location of the centroid for every level. However, as shown in Table 3, they don't match exactly.

- Are the axial beams intended to correspond exactly to the location of the centroid?
- If not, what do they correspond to, and if so, what is the reasoning behind the differences in location between the centroid and the axial beam, in both X and Y?

					<b>Assumed coordinate mapping values</b>					
<b>AXIAL BEAMS</b>					<b>X=-8.80</b>	<b>Y=-59.15</b>	<b>Centroid</b>			
Beam	X	Y	Z1	Z2			X	Y	Z-1	Z-2
6	23.5	70.6	-10.4	-7.4	14.7	11.45	14.7	11.45	-10.4	-7.4
							14.76	11.45	-7.4	-4.7
7	23.5	70.6	-7.4	-2	14.7	11.45	14.76	11.48	-4.7	-2
8	23.5	70.6	-2	4.5	14.7	11.45	14.8	11.48	-2	1.325
9	23.5	70.6	4.5	4.65	14.7	11.45	14.8	11.45	1.325	4.65
							14.89	11.45	4.65	6.855
10	23.69	70.6	4.65	9.06	14.89	11.45	14.89	11.45	6.855	9.06

Table 3

[Response]

The axial beams are intended to correspond exactly to the location of the centroid.

The centroid shown in the above table seems to be based on Table 1 of the report. Table 1 of the report shows centroid of the DAC3N stick model. The centroid of the SASSI stick model is shown in Table B-1. The reason of difference is that the SASSI model includes shell elements for the external walls.

## GEOMETRIC PROPERTIES

The geometric properties of the SASSI house file match with the data given in Table B-1 of the report. Beams 4 and 9 do not exist in the report, and based on the beams' elevations their properties do not correspond to those given in the report.

- Why do the geometric properties for beams 4 and 9 match the geometric properties for the beam above, rather than the beam below, as would match the properties given in the report?

Beam	axial area	shear 2	shear3	Torsion	bending2	Bending3	
1	1	721.14	721.14	9.85E+04	3.40E+04	5.52E+04	OK
2	1	1	19.8	1	4.53E+03	1	OK
3	1	1	1	1	1	1	OK
4	1	39.47	31.06	1.21E+04	3.20E+03	5.84E+03	
5	1	39.47	31.06	1.21E+04	3.20E+03	5.84E+03	OK
6	721.14	1	1	1	1	1	OK
7	19.8	1	1	1	1	1	OK
8	1	1	1	1	1	1	OK
9	68.57	1	1	1	1	1	
10	68.57	1	1	1	1	1	OK

Table 4

### [Response]

To facilitate SASSI modeling an additional node at the grade level (EL. 4.5) is added to the stick. As a result, the beam element representing the walls from EL 4.65 to EL 1.325 is split into two parts in SASSI, beams 4 and 9 from EL 4.65 to 4.5 and beams 5 and 10 from EL 4.5 to 1.325. Since they all represent the same walls, the properties for beams 4 and 9 are the same as those for beams 5 and 10 below.

## LUMPED MASS VALUES

The data given in *italics* in Table 5 has been converted into Newtons. The lumped masses in the house file appear to be input as weights.

- What is the source of the differences between these values?
- What are the correct units used in the house file?

X	Y	Z	Tran X (N)	Tran Y (N)	Tran Z (N)	Rot XX (Nm2)	Rot YY (Nm2)	Rot ZZ (Nm2)
			<i>Tran X (N)</i>	<i>Tran Y (N)</i>	<i>Tran Z (N)</i>	<i>Rot XX (Nm2)</i>	<i>Rot YY (Nm2)</i>	<i>Rot ZZ (Nm2)</i>
23.36	70.37	-10.4	0	0	0	0	0	0
For fixed base, mass will not effect movement of building								
23.44	70.41	-7.4	4.26E+02	4.26E+02	4.26E+02	2.90E+04	4.70E+04	7.50E+04
			<i>3.38E+08</i>	<i>3.38E+08</i>	<i>3.38E+08</i>	<i>1.63E+06</i>	<i>2.62E+06</i>	<i>4.20E+06</i>
23.22	69.98	-2	2.05E+03	2.05E+03	2.05E+03	9.70E+04	1.57E+05	2.55E+05
			<i>1.97E+08</i>	<i>1.97E+08</i>	<i>1.97E+08</i>	<i>9.50E+05</i>	<i>1.54E+06</i>	<i>2.50E+06</i>
23.31	70.16	4.65	2.85E+03	2.85E+03	2.85E+03	1.54E+05	2.43E+05	3.96E+05
			<i>2.47E+08</i>	<i>2.47E+08</i>	<i>2.47E+08</i>	<i>1.51E+06</i>	<i>2.38E+06</i>	<i>3.88E+06</i>
23.42	70.47	9.06	3.71E+03	3.71E+03	2.57E+03	1.94E+05	3.09E+05	5.02E+05
			<i>2.21E+08</i>	<i>2.21E+08</i>	<i>2.21E+08</i>	<i>1.91E+06</i>	<i>3.03E+06</i>	<i>4.92E+06</i>

Table 5

[Response]

The lumped mass values in Tables 1 and B-1 of the report are in kN units. The lumped masses in the SASSI file are expressed in the units of metric tons as weights. The conversion factor used is 1 ton = 9.81 kN.





## SER-ESB-024-1.txt

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\*\*\* dac3n \*\*\* < g-2 > inpt data echo

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7--  
titl esbwr cb dynamic analysis -medium- (disp mdv1=5)

istp	njob	lcpu	lchk	lprn						
	1000	1000	1	2						
mstp	leig	meiu	mtrv	lprn	npr1	npr2	tole	emin	emax	
	1	30	100	2	30	30			500.0	
mstp	1	30	58	2	30	30			200.0	
menr										

iter	lite	nite	nktm	nkit	lcnv	lstu	lstp			
	1	10	1	10	110		1			
ite2		epsd		epsf		epse		emsd	emsf	emse
		1.0e-08		1.0e-06		1.0e-12		1.0e-08	1.0e-04	1.0e-12

	key1	key2	key3	inum
outr				
ewav	joi	acc		
ewav	joi	dis		
ewav	sp1			
ewav	ds1			

	inum	xyzxyz	x-coord	y-coord	z-coord	ray-damp1	ray-damp2
joi	9101	ff fff	0	0	9.06e+2		
joi	9102	ff fff	0	0	9.06e+2		
joi	9103	ff fff	0	0	9.06e+2		
joi	9104	ff fff	0	0	9.06e+2		
joi	9105	ff fff	0	0	9.06e+2		

sp1	8001	5	6	8001	1
sp1	8002	5	6	8002	2



## SER-ESB-024-1.txt

```

spl      8003      5      6      8002      3
      imat      rstf      hdm1      hdm2      henr
smat      8001 8.760e+04      -1.0      -1.0      0.07
smat      8002 5.730e+04      -1.0      -1.0      0.07
smat      8003 1.0e+10      -1.0      -1.0      0.07

```

```

joi      6      ffff 14.618e+2 11.321e+2 13.5e+2
joi      5      14.618e+2 11.321e+2 9.06e+2
joi     145      14.529e+2 11.119e+2 6.855e+2
joi      4      14.529e+2 11.119e+2 4.65e+2
joi     134      14.497e+2 11.087e+2 1.325e+2
joi      3      14.497e+2 11.087e+2 -2.0e+2
joi     123      14.637e+2 11.289e+2 -4.700e+2
joi      2      14.637e+2 11.289e+2 -7.4e+2
joi     112      14.563e+2 11.215e+2 -8.900e+2
joi     999      fffffff 10000.0      0.0      0.0

```

```

      x-weight y-weight z-weight x-inertia y-inertia z-inertia
wei      6      1150.0      1150.0      0.0      0.01      0.01      0.01
wei      5      2250.0      2250.0      2185.0 19.45e+8 30.87e+8 50.19e+8

```

```

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7--

```

continue to next page

1=====

```

*** dac3n ***      < g-2 > inpt data echo

```

```

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7--
wei      4      2710.0      2710.0      2447.0 22.68e+8 34.80e+8 61.98e+8
wei      3      2363.0      2363.0      2214.0 22.55e+8 33.44e+8 60.34e+8
wei      2      3603.0      3603.0      3603.0 22.16e+8 33.94e+8 55.28e+8
wei      1      2850.0      2850.0      2850.0 13.70e+8 22.05e+8 35.31e+8
wei     999      0.00001      0.00001      0.00001      0.00001      0.00001
wei     9101      0      0      745.5      0      0      0
wei     9102      0      0      255.0      0      0      0
wei     9103      0      0      34.6      0      0      0
wei     9104      0      0      69.4      0      0      0
wei     9105      0      0      39.5      0      0      0

wei     145      620.0      620.0      620.0      0.001      0.001      0.001
wei     134      1140.0      1140.0      1140.0      0.001      0.001      0.001
wei     123      954.1      954.1      954.1      0.001      0.001      0.001
wei     112      2850.0      2850.0      2850.0      0.001      0.001      0.001

```

```

      inum inod jnod knod irgd imat isct
bm1     104      4      5      999 4104      13      104
bm1     103      3      4      999 3103      13      103
bm1     102      2      3      999 2102      13      102
bm1     101      1      2      999 1101      9       101
bm1     204      4      5      999 4204      13      204
bm1     203      3      4      999 3203      13      203
bm1     202      2      3      999 2202      13      202
bm1     201      1      2      999 1201      13      201
shear elem
bm1     104      145      5      999 4104      13      104
bm1     2104      4      145      999 4504      13      104
bm1     103      134      4      999 3103      13      103
bm1     2103      3      134      999 3503      13      103
bm1     102      123      3      999 2102      13      102
bm1     2102      2      123      999 2502      13      102
bm1     101      1      2      999 1101      9       101

```

SER-ESB-024-1.txt

bm1	2101	1	112	999	1501	9	101
axial	elem						
bm1	204	145	5	999	4204	13	204
bm1	2204	4	145	999	4604	13	204
bm1	203	134	4	999	3203	13	203
bm1	2203	3	134	999	3603	13	203
bm1	202	123	3	999	2202	13	202
bm1	2202	2	123	999	2602	13	202
bm1	201	1	2	999	1201	9	201
bm1	2201	1	112	999	1601	9	201

sp1	inum	inod	jnod	knod	irgd	imat	iknd
sp1	9101	5	9101			9101	3
sp1	9102	5	9102			9102	3
sp1	9103	5	9103			9103	3
sp1	9104	5	9104			9104	3
sp1	9105	5	9105			9105	3

-----1-----2-----3-----4-----5-----6-----7-----  
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\*\*\* dac3n \*\*\* < g-2 > inpt data echo

-----1-----2-----3-----4-----5-----6-----7-----

rigid link		xi	yi	zi	xj	yj	zj
shear	elem						
rigd	4104	61.1	33.1	0.0	52.2	12.9	0.0
rigd	4504	61.1	33.1	0.0	61.1	33.1	0.0
rigd	3103	44.1	41.8	0.0	40.9	38.6	0.0
rigd	3503	44.1	41.8	0.0	44.1	41.8	0.0
rigd	2102	17.7	16.1	0.0	31.7	36.3	0.0
rigd	2502	17.7	16.1	0.0	17.7	16.1	0.0
rigd	1101	13.7	23.5	0.0	6.3	16.1	0.0
rigd	1501	13.7	23.5	0.0	13.7	23.5	0.0
axial	elem						
rigd	4204	36.5	33.1	0.0	27.6	12.9	0.0
rigd	4604	36.5	33.1	0.0	36.5	33.1	0.0
rigd	3203	30.7	39.4	0.0	27.5	36.2	0.0
rigd	3603	30.7	39.4	0.0	30.7	39.4	0.0
rigd	2202	12.3	16.1	0.0	26.3	36.3	0.0
rigd	2602	12.3	16.1	0.0	12.3	16.1	0.0
rigd	1201	13.7	23.5	0.0	6.3	16.1	0.0
rigd	1601	13.7	23.5	0.0	13.7	23.5	0.0

bsct	isct	sa	sb	sc	ja	ib	ic
bsct	104	0.0001	39.47e4	31.06e4	120.63e10	31.98e10	58.43e10
bsct	103	0.0001	54.28e4	42.16e4	162.24e10	49.90e10	91.06e10
bsct	102	0.0001	54.54e4	61.45e4	161.49e10	94.13e10	92.09e10
bsct	101	0.0001	721.14e4	721.14e4	985.06e10	340.40e10	551.73e10
bsct	204	68.57e4	0.0001	0.0001	0.0001	0.0001	0.0001
bsct	203	93.20e4	0.0001	0.0001	0.0001	0.0001	0.0001
bsct	202	110.95e4	0.0001	0.0001	0.0001	0.0001	0.0001
bsct	201	721.14e4	0.0001	0.0001	0.0001	0.0001	0.0001

bmat	imat	gg	ee	hdm1	hdm2	henr
bmat	13	1.20e2	2.84e2	-1.0	-1.0	0.07
bmat	9	1.08e2	2.54e2	-1.0	-1.0	0.07
	imat	rstf		hdm1	hdm2	henr

## SER-ESB-024-1.txt

```

smat 9101 3.035e3 -1.0 -1.0 0.07
smat 9102 2.259e3 -1.0 -1.0 0.07
smat 9103 6.030e2 -1.0 -1.0 0.07
smat 9104 2.073e3 -1.0 -1.0 0.07
smat 9105 1.632e3 -1.0 -1.0 0.07
dstp mstp mdv1 mdv2 lprn dltalpha beta
      2200 5 1 2 0.010

wav ncod mcod idir xmax
wav 1000 1 1 0.0
wav 1000 2 2 0.0
wav 1000 3 3 0.0

```

## soil data

```

-----1-----2-----3-----4-----5-----6-----7--
continue to next page
1=====

```

```

*** dac3n *** < g-2 > inpt data echo
=====

```

```

-----1-----2-----3-----4-----5-----6-----7--

```

## c/b case fix

```

=====
joi 1 fffffff 14.563e+2 11.215e+2 -10.4e+2
=====

```

## oscillator #2

```

=====
joi 9106 ff fff 0.00 0.00 906.0 -1.0 -1.0
joi 9201 ff fff 0.00 0.00 465.0 -1.0 -1.0
joi 9301 ff fff 0.00 0.00 -200.0 -1.0 -1.0
*****
wei 9106 0.1 0.1 71.0 0.1 0.1 0.1
wei 9201 0.1 0.1 262.8 0.1 0.1 0.1
wei 9301 0.1 0.1 149.4 0.1 0.1 0.1
*****
spl 9106 5 9106 9106 3
spl 9201 4 9201 9201 3
spl 9301 3 9301 9301 3
*****
smat 9106 4.991e+03 -1.0 -1.0 0.07
smat 9201 1.792e+04 -1.0 -1.0 0.07
smat 9301 8.554e+05 -1.0 -1.0 0.07
=====

```

```

-----1-----2-----3-----4-----5-----6-----7--
end of input data .
1=====

```

```

*** dac3n *** < i-0 > information of dac3n system
=====

```

SER-ESB-024-1.txt

-----  
 1996.01.01  
 -----

----- project member -----

1986 koyanagi hasegawa watanabe  
 1987 koyanagi nakai itikawa fukuwa  
 takahashi hayashi watanabe  
 tamura kaneko oosawa  
 1988 koyanagi fukuwa hayashi watanabe  
 ootsuki tamura kaneko kikuchi  
 1989 koyanagi fukuwa hayashi watanabe  
 yokoyama taki  
 ootsuki takura kaneko kikuchi  
 1990 koyanagi fukuwa hayashi watanabe yokoyama  
 ootsuki fukutake tamura kaneko kikuchi  
 1991 koyanagi watanabe kikuchi  
 1992 koyanagi watanabe kikuchi  
 1993 koyanagi watanabe kikuchi  
 1994 koyanagi watanabe kikuchi  
 1995 watanabe kikuchi  
 1996 watanabe kikuchi  
 1997 watanabe kikuchi

1=====

\*\*\* dac3n \*\*\* < i-1 > check echo of "titl" "istp" card

\*\*\* titls \*\*\*

esbwr cb dynamic analysis -medium- (disp mdv1=5)

hlinix	hupl0x	hbilix	hntrix	hmultx
htkd1x	hdtrmx	hgenkx	hbifrx	hgentx
hgnpkx	hdtrix	hdtr2x	hfuncx	hrmbgx
hdtrfx	hbrgkx	habltx	h1rb3x	h1rbkx
hgv3x	hslipx	hinadx	hpeakx	huprtx
hupkvx	hupvrx	hmsmcx	hmsncx	
1joi1joi	2wavnon	3vbrnon	11ds1spl	21spl1spl
22spnsp1	28trssp1	31bm1spl	32bmnspl	4up1non
5uphnon	6gumnon	7uptnon	13dsespl	14dskspl
23spespl	25spbsp1	26spdsp1	27sptspl	34bmkspl
36clkspl	43grnnon	51recrcc	61matnon	62mt2non
65vecnon	71wlkw1k	72wnkw1k	81cnkspl	84bnkspl
86bckspl	112spisp1	113fr2spl	115sp2spl	116sp3spl
124bmssp1	199engnon	141mssspl	142penspl	143msmspl
144ex1spl	145v95spl			

## SER-ESB-024-1.txt

\*\*\* istp card \*\*\*

```

njob = 1000      : n-code of job
                  def= 10000
ncpu = 1000      : cpu time limit (sec) ( not use )
                  def= 1000
lchk = 1         : calculation level
                  0,1= to data
                  2= check only
lprn = 2         : print level for i-step (def=2)
lket = 5         : keta-su of printout
                  5= normal
                  7= 7-keta
                  9= 9-keta

```

1=====

```

*** dac3n ***    < i-2 > check echo of "dstp" card

```

=====

\*\*\* dstp card \*\*\*

```

land = 2         : analysis flag for d-step
                  0,1=not exec,2=exec
mstp = 2200      : number of time step
mdv1 = 5         : divid number of time step
mdv2 = 1         : skip number of output data
lprn = 2         : print level for d-step (def=2)
npr1 = 0         : start time step for print
npr2 = 0         : end time step for print
mwww = 11000     : output wave length
dlt1 = 1.000E-02 : time increment
dlt2 = 2.000E-03 : time increment (calculate)
dlt3 = 2.000E-03 : time increment (output)
alph = 5.000E-01 : constant of newmark beta method
                  def=0.5
beta = 2.500E-01 : constant of newmark beta method
                  def=0.25

```

1=====

```

*** dac3n ***    < i-3 > echo of "rayl","iter","pdef" car

```

=====

\*\*\* rayl card \*\*\*

```

lray = 1         : flag of rayleigh damping
                  0,1= not considered
                  2= considered
lrat = 1         : flag of rayleigh damping
                  0,1= propotion to original stif.
                  2= propotion to temporary stif.
hdm1 = .000E+00 : damping constanr at frq1
hdm2 = .000E+00 : damping constanr at frq2
frq1 = .000E+00 : freq to evaluate hdm1

```

SER-ESB-024-1.txt  
 frq2 = .000E+00: freq to evaluate hdm2

\*\*\* iter card \*\*\*

```

lite =    1      : iteration method
                  0,1=newton1, 2:newton2
nite =   10      : maximum number of iteration
                  def= 5
nktm =    1      : time interval to remake matrix
                  def= 1
nkit =   10      : max number of iteration
                  to remake matrix
                  def= 0
lcnv =  110      : flag of convergence
                  def= 110 disp. & force criteria
                  (100=disp,010=force,001=energy)
lstu =    3      : flag of lstf
                  2      : use (n-1)step stiffness
                  3(def): use (n)step (i-1)iter.
lstp =    1      : flag of stop
                  0(def): stop if conv. error
                  1      : not stop
epsd = 1.000E-08: error on displacement
                  def= 1.0e-6
epsf = 1.000E-06: error on unbalanced force
                  def= 1.0e-6
epse = 1.000E-12: error on energy
                  def= 1.0e-12
epmd = 1.000E-08: error on rotation
                  def= 1.0e-8
epmf = 1.000E-04: error on unbalanced moment
                  def= 1.0e-4
epme = 1.000E-12: error on energy
                  def= 1.0e-12

```

\*\*\* pdef card \*\*\*

```

lpde =    0      : p-delta effect
                  = 0 : not considered
                  = 1 : considered

```

1=====

\*\*\* dac3n \*\*\* < i-11 > check echo of "rigd" card

=====

i	irgd	x-cod(i)	y-cod(i)	z-cod(i)	x-cod(j)	y-cod(j)	z-cod(j)
1	4104	6.110E+01	3.310E+01	.000E+00	5.220E+01	1.290E+01	.000E+00
2	4504	6.110E+01	3.310E+01	.000E+00	6.110E+01	3.310E+01	.000E+00
3	3103	4.410E+01	4.180E+01	.000E+00	4.090E+01	3.860E+01	.000E+00
4	3503	4.410E+01	4.180E+01	.000E+00	4.410E+01	4.180E+01	.000E+00
5	2102	1.770E+01	1.610E+01	.000E+00	3.170E+01	3.630E+01	.000E+00
6	2502	1.770E+01	1.610E+01	.000E+00	1.770E+01	1.610E+01	.000E+00
7	1101	1.370E+01	2.350E+01	.000E+00	6.300E+00	1.610E+01	.000E+00
8	1501	1.370E+01	2.350E+01	.000E+00	1.370E+01	2.350E+01	.000E+00
9	4204	3.650E+01	3.310E+01	.000E+00	2.760E+01	1.290E+01	.000E+00
10	4604	3.650E+01	3.310E+01	.000E+00	3.650E+01	3.310E+01	.000E+00

## SER-ESB-024-1.txt

11	3203	3.070E+01	3.940E+01	.000E+00	2.750E+01	3.620E+01	.000E+00
12	3603	3.070E+01	3.940E+01	.000E+00	3.070E+01	3.940E+01	.000E+00
13	2202	1.230E+01	1.610E+01	.000E+00	2.630E+01	3.630E+01	.000E+00
14	2602	1.230E+01	1.610E+01	.000E+00	1.230E+01	1.610E+01	.000E+00
15	1201	1.370E+01	2.350E+01	.000E+00	6.300E+00	1.610E+01	.000E+00
16	1601	1.370E+01	2.350E+01	.000E+00	1.370E+01	2.350E+01	.000E+00

1=====

\*\*\* dac3n \*\*\* &lt; i-16 &gt; check echo of "smat" card

=====

i	imts	stiffness	ray-damp1	ray-damp2	enrg-damp
1	8001	8.760E+04	-1.000E+00	-1.000E+00	7.000E-02
2	8002	5.730E+04	-1.000E+00	-1.000E+00	7.000E-02
3	9101	3.035E+03	-1.000E+00	-1.000E+00	7.000E-02
4	9102	2.259E+03	-1.000E+00	-1.000E+00	7.000E-02
5	9103	6.030E+02	-1.000E+00	-1.000E+00	7.000E-02
6	9104	2.073E+03	-1.000E+00	-1.000E+00	7.000E-02
7	9105	1.632E+03	-1.000E+00	-1.000E+00	7.000E-02
8	9106	4.991E+03	-1.000E+00	-1.000E+00	7.000E-02
9	9201	1.792E+04	-1.000E+00	-1.000E+00	7.000E-02
10	9301	8.554E+05	-1.000E+00	-1.000E+00	7.000E-02

1=====

\*\*\* dac3n \*\*\* &lt; i-12 &gt; check echo of "bmat" card

=====

i	imat	gg	ee	ray-damp1	ray-damp2	enrg-damp
1	13	1.200E+02	2.840E+02	-1.000E+00	-1.000E+00	7.000E-02
2	9	1.080E+02	2.540E+02	-1.000E+00	-1.000E+00	7.000E-02

1=====

\*\*\* dac3n \*\*\* &lt; i-13 &gt; check echo of "bsct" &amp; "bsctd"

=====

i	isct	sa	sb	sc	ja	ib	ic
1	104	1.000E-04	3.947E+05	3.106E+05	1.206E+12	3.198E+11	5.843E+11
2	103	1.000E-04	5.428E+05	4.216E+05	1.622E+12	4.990E+11	9.106E+11
3	102	1.000E-04	5.454E+05	6.145E+05	1.615E+12	9.413E+11	9.209E+11
4	101	1.000E-04	7.211E+06	7.211E+06	9.851E+12	3.404E+12	5.517E+12
5	204	6.857E+05	1.000E-04	1.000E-04	1.000E-04	1.000E-04	1.000E-04
6	203	9.320E+05	1.000E-04	1.000E-04	1.000E-04	1.000E-04	1.000E-04
7	202	1.110E+06	1.000E-04	1.000E-04	1.000E-04	1.000E-04	1.000E-04
8	201	7.211E+06	1.000E-04	1.000E-04	1.000E-04	1.000E-04	1.000E-04

1=====

\*\*\* dac3n \*\*\* &lt; ec-1 &gt; check echo of "joi" card

## SER-ESB-024-1.txt

```

=====
w-y      i inod  xyzxyz  x-cod  y-cod  z-cod  hd-1  hd-2  w-x
        w-z      j-x      j-y      j-z
1 9101    001000 .000E+00 .000E+00 9.060E+02 .000E+00 .000E+00 .000E+00
.000E+00 7.455E+02 .000E+00 .000E+00 .000E+00
2 9102    001000 .000E+00 .000E+00 9.060E+02 .000E+00 .000E+00 .000E+00
.000E+00 2.550E+02 .000E+00 .000E+00 .000E+00
3 9103    001000 .000E+00 .000E+00 9.060E+02 .000E+00 .000E+00 .000E+00
.000E+00 3.460E+01 .000E+00 .000E+00 .000E+00
4 9104    001000 .000E+00 .000E+00 9.060E+02 .000E+00 .000E+00 .000E+00
.000E+00 6.940E+01 .000E+00 .000E+00 .000E+00
5 9105    001000 .000E+00 .000E+00 9.060E+02 .000E+00 .000E+00 .000E+00
.000E+00 3.950E+01 .000E+00 .000E+00 .000E+00
6        6      110000 1.462E+03 1.132E+03 1.350E+03 .000E+00 .000E+00 1.150E+03
1.150E+03 1.150E+03 1.000E-02 1.000E-02 1.000E-02
7        5      111111 1.462E+03 1.132E+03 9.060E+02 .000E+00 .000E+00 2.250E+03
2.250E+03 2.185E+03 1.945E+09 3.087E+09 5.019E+09
8 145     111111 1.453E+03 1.112E+03 6.855E+02 .000E+00 .000E+00 6.200E+02
6.200E+02 6.200E+02 1.000E-03 1.000E-03 1.000E-03
9        4      111111 1.453E+03 1.112E+03 4.650E+02 .000E+00 .000E+00 2.710E+03
2.710E+03 2.447E+03 2.268E+09 3.480E+09 6.198E+09
10 134    111111 1.450E+03 1.109E+03 1.325E+02 .000E+00 .000E+00 1.140E+03
1.140E+03 1.140E+03 1.000E-03 1.000E-03 1.000E-03
11       3      111111 1.450E+03 1.109E+03 2.000E+02 .000E+00 .000E+00 2.363E+03
2.363E+03 2.214E+03 2.255E+09 3.344E+09 6.034E+09
12 123    111111 1.464E+03 1.129E+03 4.700E+02 .000E+00 .000E+00 9.541E+02
9.541E+02 9.541E+02 1.000E-03 1.000E-03 1.000E-03
13       2      111111 1.464E+03 1.129E+03 7.400E+02 .000E+00 .000E+00 3.603E+03
3.603E+03 3.603E+03 2.216E+09 3.394E+09 5.528E+09
14 999    000000 1.000E+04 .000E+00 .000E+00 .000E+00 .000E+00 1.000E-05
1.000E-05 1.000E-05 1.000E-05 1.000E-05 1.000E-05
15       1      000000 1.456E+03 1.122E+03 1.040E+03 .000E+00 .000E+00 2.850E+03
2.850E+03 2.850E+03 1.370E+09 2.205E+09 3.531E+09
16 9106    001000 .000E+00 .000E+00 9.060E+02 -1.000E+00 -1.000E+00 1.000E-01
1.000E-01 7.100E+01 1.000E-01 1.000E-01 1.000E-01
17 9201    001000 .000E+00 .000E+00 4.650E+02 -1.000E+00 -1.000E+00 1.000E-01
1.000E-01 2.628E+02 1.000E-01 1.000E-01 1.000E-01
18 9301    001000 .000E+00 .000E+00 2.000E+02 -1.000E+00 -1.000E+00 1.000E-01
1.000E-01 1.494E+02 1.000E-01 1.000E-01 1.000E-01
1=====

```

```

*** dac3n *** < ec-2 > check echo of "wav" card
=====

```

```

nc = 1000 : ncode of earthquake wave
mc = 1 : mcode of earthquake wave
idir = 1 : input dir. of earthquake wave
umax = .000 : used-max of earthquake wave
           if umax=0.0 then umax=original max of wave

```

data

```

nc = 1000 : ncode of earthquake wave
mc = 2 : mcode of earthquake wave

```



```

SER-ESB-024-1.txt
idir = 2 : input dir. of earthquake wave
umax = .000: used-max of earthquake wave
          if umax=0.0 then umax=original max of wave

```

data

```

nc = 1000 : ncode of earthquake wave
mc = 3 : mcode of earthquake wave
idir = 3 : input dir. of earthquake wave
umax = .000: used-max of earthquake wave
          if umax=0.0 then umax=original max of wave

```

data

```

1=====
*** dac3n *** < ec-21 > check echo of "spl" card
=====

```

```

--i-- elem-no. inod-no. jnod-no. knod-no. rigd-no. mats-no. kind-no.
1      8001      5      6      0      0      8001      1
2      8002      5      6      0      0      8002      2
3      9101      5     9101      0      0      9101      3
4      9102      5     9102      0      0      9102      3
5      9103      5     9103      0      0      9103      3
6      9104      5     9104      0      0      9104      3
7      9105      5     9105      0      0      9105      3
8      9106      5     9106      0      0      9106      3
9      9201      4     9201      0      0      9201      3
10     9301      3     9301      0      0      9301      3

```

```

1=====
*** dac3n *** < ec-31 > check echo of "bml" card
=====

```

w(ton)	i	ibea	i-join	j-join	k-join	rigd-no	matl-no	sect-no
.000E+00	1	104	145	5	999	4104	13	104
.000E+00	2	2104	4	145	999	4504	13	104
.000E+00	3	103	134	4	999	3103	13	103
.000E+00	4	2103	3	134	999	3503	13	103
.000E+00	5	102	123	3	999	2102	13	102
.000E+00	6	2102	2	123	999	2502	13	102
.000E+00	7	101	1	2	999	1101	9	101
.000E+00	8	204	145	5	999	4204	13	204
.000E+00	9	2204	4	145	999	4604	13	204
.000E+00	10	203	134	4	999	3203	13	203

```

SER-ESB-024-1.txt
.000E+00 11      2203      3      134      999      3603      13      203
.000E+00 12      202      123      3      999      2202      13      202
.000E+00 13      2202      2      123      999      2602      13      202
.000E+00 14      201      1      2      999      1201      9      201
.000E+00
1=====

```

```

*** dac3n ***      < ec-2 > check file of "wav" element
=====

```

```

--- i ---      ncode      mcode <--- titl ----->
orig-max      orig-dt      nn      use-max      fact
( 1)          1000          1 MODIFIED H1 COMPONENT
3.011E+02 1.000E-02 2200 3.011E+02 1.000E+00
( 2)          1000          2 MODIFIED H2 COMPONENT
3.011E+02 1.000E-02 2200 3.011E+02 1.000E+00
( 3)          1000          3 MODIFIED VT COMPONENT
3.011E+02 1.000E-02 2200 3.011E+02 1.000E+00
1=====

```

```

*** dac3n ***      < i-34 > check echo of "mstp,mmdl,menr"
=====

```

```

*** mstp card ***

```

```

lanm = 2      : flag of m-step
                0,1=not exec,2=exec
leig = 1      : method of eigen value
                0,1= sub-space method
meiu = 30     : degree of calculate eigen value
                def= 10
mtrv = 30     : number of trial vector
                def= auto calculated
lprm = 2      : print level for m-step (def=2)
npr1 = 30     : dof for eigen-vector print
                def= 3 , .1e.meiu
npr2 = 30     : dof for eigen-value print
                def=50 , .1e.meiu
tole = 1.000E-06: error of eigen value analysis
                def= 1.0e-6
emin = .000E+00: limit of minimum frequency (hz)
emax = 2.000E+02: limit of maximum frequency (hz)

```

```

*** mmdl card ***

```

```

lmdl = 1      : flag of modal damping
                1=not 2=consider
mmdl = 0      : degree of modal damping
                def=meiu

```

## SER-ESB-024-1.txt

\*\*\* menr card \*\*\*

```
lenr =    2      : flag of energy damping
                  1=not 2=consider
menr =   30      : degree of energy damping
                  def=meiu
```

```
1=====
*** dac3n ***   < p-1 > information of array size
=====
```

```
present size of array for x-step   : 10000000
necessary size of array for x-step :    23028
end of structure array            :    12040
end of d-step array               :    21466
end of m-step array               :    23028
```

```
1=====
*** dac3n ***   < p-8 > jel(200,30) parameter for elem.
=====
```

```
( 1) joielm
(   1) mjoir =    18 :number of joielm
(   2) mfre =    52 :degree of freedom to calculate
(   3) jfre =    52 :degree of freedom before condense
(   4) mlnk =     0 :number of lnk card
( 2) wavelm
(   1) mwav =     3 :number of wavelm
(   2) mstp =   2200 :number of analysis step
( 3) vbrelm
(   1) mvbr =     0 :number of vbrelm
(   2) mwav =     0 :number of load wave
( 4) up1elm
(   1) mjij =     0 :number of up1elm
( 5) uphe1m
(   1) mjij =     0 :number of uphe1m
( 6) gumelm
```

SER-ESB-024-1.txt

```

( 1) mjjj = 0 :number of gumelm
( 7) uptelm
( 1) mjjj = 0 :number of uptelm
(11) dslelm
( 1) mdsp = 0 :number of dslelm
(13) dseelm
( 1) mdsp = 0 :number of dseelm
(14) dskeilm
( 1) mdsp = 0 :number of dskeilm
(21) splelm
( 1) mspr = 10 :number of splelm
(22) spnelm
( 1) mspr = 0 :number of spnelm
(23) speelm
( 1) mspr = 0 :number of speelm
(25) spbelm
( 1) mspb = 0 :number of spbelm
( 2) mhst = 0 :number of hysteresis data
( 3) mdmp = 1 :number of damping data + 1
(26) spdelm
( 1) mspd = 0 :number of spdelm
( 2) mhst = 0 :number of hysteresis data
( 3) mdmp = 1 :number of damping data + 1
(27) sptelm
( 1) mspt = 0 :number of sptelm
( 2) mhst = 0 :number of hysteresis data
( 3) mdmp = 1 :number of damping data + 1
(28) trselm
( 1) mtrs = 0 :number of trselm
( 2) mtrm = 0 :number of material table data

```

1=====

\*\*\* dac3n \*\*\* < p-8 > jel(200,30) parameter for elem.

=====

```

(31) bmlelm
( 1) mbea = 14 :number of bmlelm
(32) bmnelm
( 1) mbea = 0 :number of bmnelm
(34) bmkelm

```

SER-ESB-024-1.txt

```

( 1) mbmk = 0 :number of "bmK " card
( 2) mbmt = 1 :number of "bmkt" card + 1
( 3) mbmh = 1 :number of "bmKh" card + 1
( 4) mbmr = 1 :number of "bmkr" card + 1
( 5) mhys = 0 :number of non-linear hyst. index
( 36) clkelm
( 1) mclk = 0 :number of "clk " card
( 2) mclt = 1 :number of "clkt" card + 1
( 3) mclh = 1 :number of "clKh" card + 1
( 4) mclr = 1 :number of "clkr" card + 1
( 5) mhys = 0 :number of uniaxial non-linear hyst.
( 6) mhyb = 0 :number of biaxial non-linear hyst.
( 37) clkelm
( 43) grnelm
( 1) mmat = 0 :number of matelm
( 2) ngrn = 0 :number of freedom
( 3) mgrn = 0 :number of time skip
( 4) lgrn = 0 :number of operation in convolution
( 5) igrn = 0 :ngrn * (ngrn+1)/2
( 6) jgrn = 0 :mgrn * lgrn
( 44) grnelm
( 51) recelm
( 1) mrec = 0 :number of recelm
( 2) nrev = 50 :number of reverse point
( 3) iswc = 0 :flag of switch
( 4) iswc = 0 :flag of g0 & g0x
( 5) mrei = 0 :number of "reci " card
( 6) mrep = 0 :number of "recp " card
( 7) mref = 0 :number of "recf " card
( 8) mreg = 0 :number of "recg " card
( 9) mreg = 0 :number of "recd " card
( 52) recelm
( 53) recelm
( 61) matelm
( 1) mmat = 0 :number of matelm
( 2) mjdt = 0 :array size of "jdt"

```

## SER-ESB-024-1.txt

```

      ( 3) mrdt =          0 :array size of "rdt"
( 62) mt2elm
      ( 1) mmat =          0 :number of mt2elm
      ( 2) mjdt =          0 :array size of "jdt"
( 65) vecelm
      ( 1) mkos =          0 :number of vecelm
      ( 2) mjdt =          0 :array size of "jdt"

```

1=====

```

*** dac3n ***    < p-8 > jel(200,30) parameter for elem.
=====

```

```

( 71) wlkelm
      ( 1) mw1k =          0 :number of wlkelm
      ( 2) mw1m =          0 :number of "wlkm" card
      ( 3) mw1d =          1 :number of "wlkd" card + 1
( 72) wnkelm
      ( 1) mwnk =          0 :number of "wnk " card
      ( 2) mwnm =          0 :number of "wnkm" card
      ( 3) mwnd =          1 :number of "wnkd" card + 1
      ( 4) mwnt =          0 :number of "wnkt" card
      ( 5) mwws =          0 :number of "wnws" card
      ( 6) mwwb =          0 :number of "wnwb" card
      ( 7) mwwa =          0 :number of "wnwa" card
      ( 8) mwlc =          0 :number of "wnlc" card
      ( 9) mwrc =          0 :number of "wnrc" card
( 73) wnkelm
      ( 2) mwnh =          0 :number of non-linear hyst. ( =
5*mwnk )
( 74) wnkelm
( 81) cnkelm
      ( 1) mcnk =          0 :number of "cnk " card
      ( 2) mcnt =          1 :number of "cnkt" card + 1
      ( 3) mcnh =          1 :number of "cnkh" card + 1
      ( 4) mcnr =          1 :number of "cnkr" card + 1
      ( 5) mcnc =          0 :number of "cnkc" card
      ( 6) mcns =          0 :number of "cnks" card

```

SER-ESB-024-1.txt

```

( 7) mcnq =      0 :number of "cnkq" card
( 8) mcnw =      1 :number of "cnkw" card + 1
( 9) mcnd =      1 :number of "cnkd" card + 1
( 82) cnkelm
( 2) mhys =      0 :number of uniaxial non-linear hyst.
( 3) mhyb =      0 :number of biaxial non-linear hyst.
( 83) cnkelm
( 84) bnkelm
( 1) mbnk =      0 :number of "bnk " card
( 2) mbnc =      0 :number of "bnkc" card
( 3) mbns =      0 :number of "bnks" card
( 4) mbnq =      0 :number of "bnkq" card
( 5) mbnw =      1 :number of "bnkw" card + 1
( 6) mbnr =      1 :number of "bnkr" card + 1
( 7) mbnd =      1 :number of "bnkd" card + 1
( 8) mhys =      0 :number of non-linear hyst. index
( 85) bnkelm
( 86) bckelm
( 1) mbck =      0 :number of "bck " card
( 2) mbcc =      0 :number of "bckc" card
( 3) mbcs =      0 :number of "bcks" card
( 4) mbcq =      0 :number of "bckq" card
( 5) mbcw =      1 :number of "bckw" card + 1
( 6) mbcr =      1 :number of "bckr" card + 1
( 7) mbcd =      1 :number of "bckd" card + 1
( 8) mhys =      0 :number of non-linear hyst. index

```

1=====

```

*** dac3n *** < p-8 > jel(200,30) parameter for elem.
=====

```

```

( 87) bckelm
(112) spielm
( 1) mspi =      0 :number of spielm
( 2) msph =      0 :number of spielm
(113) fr2elm
( 1) mfrc =      0 :number of fr2elm

```

SER-ESB-024-1.txt

```

( 2) mfrh = 0 :number of "fr2h " card
(115) sp2elm
( 1) msp2 = 0 :number of sp2elm
( 2) msph = 0 :number of sp2elm
(116) sp3elm
( 1) msp3 = 0 :number of sp3elm
( 2) msph = 0 :number of sp3elm
(124) bmse1m
( 1) mbms = 0 :number of "bms " card
( 2) mbmt = 1 :number of "bmst" card + 1
( 3) mbmh = 1 :number of "bmsh" card + 1
( 4) mbmr = 1 :number of "bmsr" card + 1
( 5) mhys = 0 :number of non-linear hyst. index
(141) msse1m
( 1) mmss = 0 :number of msse1m
(142) penelm
( 1) mmmm = 0 :number of penelm
(143) msme1m
( 1) mmsm = 0 :number of "msm " card
( 2) mmsr = 1 :number of "msmr" card + 1
( 3) mssf = 1 :number of "msct" card + 1
( 4) mmsh = 1 :number of "msmh" card + 1
( 5) mma1 = 1 :number of "alen" card + 1
(144) ex1elm
( 1) mspr = 0 :number of ex1elm
(145) v95elm
( 1) mmmm = 0 :number of element
( 2) mjjj = 8 :size of jjj array
( 3) mrrr = 10 :size of rrr array
(199) engelm
( 1) meng = 0 :number of engelm

```

1=====

\*\*\* dac3n \*\*\* < m-m > information of m-matrix diagnoal

```

=====
=====
( 9101)    fixed    fixed  7.607E-01    fixed    fixed    fixed
( 9102)    fixed    fixed  2.602E-01    fixed    fixed    fixed
( 9103)    fixed    fixed  3.531E-02    fixed    fixed    fixed

```



```

SER-ESB-024-1.txt
( 9104)      fixed      fixed      7.082E-02      fixed      fixed      fixed
( 9105)      fixed      fixed      4.031E-02      fixed      fixed      fixed
(   6)      1.173E+00    1.173E+00      fixed      fixed      fixed      fixed
(   5)      2.296E+00    2.296E+00    2.230E+00    1.985E+06    3.150E+06    5.121E+06
(  145)      6.327E-01    6.327E-01    6.327E-01    1.020E-06    1.020E-06    1.020E-06
(   4)      2.765E+00    2.765E+00    2.497E+00    2.314E+06    3.551E+06    6.324E+06
(  134)      1.163E+00    1.163E+00    1.163E+00    1.020E-06    1.020E-06    1.020E-06
(   3)      2.411E+00    2.411E+00    2.259E+00    2.301E+06    3.412E+06    6.157E+06
(  123)      9.736E-01    9.736E-01    9.736E-01    1.020E-06    1.020E-06    1.020E-06
(   2)      3.677E+00    3.677E+00    3.677E+00    2.261E+06    3.463E+06    5.641E+06
(  999)      fixed      fixed      fixed      fixed      fixed      fixed
(   1)      fixed      fixed      fixed      fixed      fixed      fixed
( 9106)      fixed      fixed      7.245E-02      fixed      fixed      fixed
( 9201)      fixed      fixed      2.682E-01      fixed      fixed      fixed
( 9301)      fixed      fixed      1.524E-01      fixed      fixed      fixed

```

-----  
total mass

```

-----
          x          y          z          rx          ry          rz
1.509E+01  1.509E+01  1.509E+01  8.861E+06  1.358E+07  2.324E+07

```

=====

\*\*\* dac3n \*\*\* < m-k > information of k-matrix diagnoal

=====

```

( 9101)      fixed      fixed      3.035E+03      fixed      fixed      fixed
( 9102)      fixed      fixed      2.259E+03      fixed      fixed      fixed
( 9103)      fixed      fixed      6.030E+02      fixed      fixed      fixed
( 9104)      fixed      fixed      2.073E+03      fixed      fixed      fixed
( 9105)      fixed      fixed      1.632E+03      fixed      fixed      fixed
(   6)      8.760E+04    5.730E+04      fixed      fixed      fixed      fixed
(   5)      3.013E+05    2.269E+05    8.978E+05    4.202E+11    7.497E+11    6.570E+11
(  145)      4.275E+05    3.391E+05    1.766E+06    8.420E+11    1.501E+12    1.315E+12
(   4)      4.084E+05    3.220E+05    1.697E+06    8.588E+11    1.528E+12    1.243E+12
(  134)      3.893E+05    3.049E+05    1.592E+06    8.760E+11    1.555E+12    1.172E+12
(   3)      4.372E+05    4.246E+05    2.818E+06    1.434E+12    1.752E+12    1.305E+12
(  123)      4.852E+05    5.442E+05    2.334E+06    1.990E+12    1.947E+12    1.436E+12
(   2)      2.828E+06    2.851E+06    7.273E+06    3.968E+12    5.672E+12    4.265E+12
(  999)      fixed      fixed      fixed      fixed      fixed      fixed
(   1)      fixed      fixed      fixed      fixed      fixed      fixed
( 9106)      fixed      fixed      4.991E+03      fixed      fixed      fixed
( 9201)      fixed      fixed      1.792E+04      fixed      fixed      fixed
( 9301)      fixed      fixed      8.554E+05      fixed      fixed      fixed

```

=====

\*\*\* dac3n \*\*\* < m-4 > frequency,period,partcipat. fact

=====

```

mode <--frequency--> <-- period --> <----->
participation factor ----->
          (hz)          (sec)          ( x dir. )          ( y dir. )          ( z dir.
)          ( x rot. )          ( y rot. )          ( z rot. )

```

```

1  9.9374265E+00  1.0062967E-01  2.8626444E-02  7.3062525E-02
1.2018382E+00 -1.4054450E+01  1.0543064E+01 -9.0188947E-01
2  1.0275365E+01  9.7320139E-02  1.8079501E-01  1.2860522E+00
4.9695056E-05 -1.8676067E+02  4.2912430E+01 -2.2628718E+01

```

## SER-ESB-024-1.txt

3 1.0887186E+01 9.1851103E-02 1.2483706E+00 -1.7820651E-01  
2.9828497E-03 2.1006439E+01 2.4802092E+02 2.8019803E+01  
4 1.4685850E+01 6.8092756E-02 -1.6364463E-02 -1.5970899E-02  
1.4294100E+00 -8.9666998E+00 1.1234575E+01 2.4613951E-01  
5 1.6669777E+01 5.9988806E-02 3.2982107E-04 -4.0305816E-04  
-4.7514851E-06 2.5260342E-01 3.3060175E-01 -4.4430111E+01  
6 2.0715377E+01 4.8273320E-02 -4.3412646E-02 -4.5092175E-02  
2.4561474E+00 -6.5928066E+01 8.6162478E+01 -3.0800985E-01  
7 2.5621550E+01 3.9029645E-02 -1.0392217E+00 -6.8394741E-01  
1.6810961E+00 -1.1410551E+03 2.6524060E+03 2.1174384E+01  
8 2.6160122E+01 3.8226121E-02 1.3834716E+00 4.9365606E-01  
3.9445587E+00 7.9849098E+02 -3.5397130E+03 -4.1788748E+01  
9 2.6948932E+01 3.7107222E-02 -2.1476649E-01 4.6550605E-01  
3.1341323E-02 6.9300683E+02 5.4972147E+02 2.0269957E+01  
10 2.8803013E+01 3.4718590E-02 -1.4167021E-01 -3.0214992E-01  
-4.5625408E+00 -2.6743799E+02 3.1489616E+02 1.3252139E+00  
11 3.2062998E+01 3.1188600E-02 -1.5353474E-01 -5.7213198E-01  
-2.1082703E-02 1.4360370E+03 -1.9181587E+01 2.2455427E+01  
12 3.2419162E+01 3.0845955E-02 6.7349502E-02 4.5213414E-01  
-3.3186759E+00 -1.4694775E+03 1.0662152E+02 -2.0063883E+01  
13 3.4563296E+01 2.8932426E-02 -3.8986003E-01 1.6123378E-02  
1.6282301E-02 -9.6351060E+01 -6.5594937E+02 2.1827257E+00  
14 4.1303505E+01 2.4211020E-02 4.6912815E-03 4.3258069E-03  
1.3626364E-01 -1.1168965E+01 -1.2038154E+01 -8.8601474E-02  
15 4.3127666E+01 2.3186972E-02 -1.1922729E-03 -2.0783810E-02  
-1.4181826E+00 -2.6525215E+01 4.0500938E+01 2.6776737E+00  
16 4.4325517E+01 2.2560368E-02 1.9430943E-02 3.7177430E-01  
-5.6273150E-03 -1.7206543E+02 -1.3739835E+01 -7.6754984E+01  
17 4.6755747E+01 2.1387745E-02 3.0690258E-03 7.6328740E-03  
-8.5223564E-05 -3.1613393E+00 3.5452370E-02 7.7290836E+01  
18 4.9643666E+01 2.0143557E-02 3.0100678E-01 5.3156415E-03  
-2.4725549E-03 2.8903209E+01 8.8198436E+01 -5.0614362E+01  
19 5.3144832E+01 1.8816505E-02 -8.0244337E-03 1.8479285E-01  
1.3923760E-04 1.0821121E+02 -1.0287049E+01 -2.0918839E+01  
20 6.1040654E+01 1.6382524E-02 -1.0967523E-01 6.7683401E-03  
6.1389036E-03 -8.3114787E+00 1.7212366E+02 -3.3239161E+01  
21 6.4695839E+01 1.5456945E-02 1.9857109E-03 -1.4049890E-03  
-1.5528244E-04 -8.4599599E-01 -3.0400456E+00 -2.3091697E+01  
22 6.8177940E+01 1.4667501E-02 -1.6208991E-04 2.1952872E-03  
-1.1721652E-02 5.5632958E+01 -7.0750797E+01 7.7625482E-01  
23 7.2092209E+01 1.3871124E-02 8.4136942E-04 -1.4805022E-03  
1.6105001E-03 -4.5471845E+01 -3.8700438E+01 5.5805540E-01  
24 8.0044782E+01 1.2493007E-02 2.7653802E-04 -3.5223239E-03  
4.8838051E-01 3.4512390E+01 -3.8057480E+01 -7.0681162E-02  
25 8.7789047E+01 1.1390943E-02 -4.1460762E-02 -2.0629712E-01  
-1.8390417E-02 -2.9336134E+02 9.2064326E+01 -3.6466549E-01  
26 9.2784236E+01 1.0777693E-02 3.7639353E-02 -4.7407858E-02  
6.9395200E-03 2.1694337E+02 -1.5591052E+02 2.4873999E+00  
27 9.2784240E+01 1.0777692E-02 4.6792585E-02 -5.3674040E-02  
-7.1601817E-03 2.0916239E+02 -1.5586309E+02 1.3310882E+00  
28 9.2784240E+01 1.0777692E-02 4.6764242E-02 -5.3663864E-02  
-7.0121725E-03 2.0918651E+02 -1.5580823E+02 1.3337474E+00  
29 9.2784240E+01 1.0777692E-02 4.6767825E-02 -5.3666822E-02  
-7.0107207E-03 2.0918672E+02 -1.5580979E+02 1.3333373E+00  
30 9.2784240E+01 1.0777692E-02 4.6763940E-02 -5.3666366E-02  
-7.0124925E-03 2.0918647E+02 -1.5580824E+02 1.3338391E+00  
1=====

\*\*\* dac3n \*\*\* < d-3 > " joi " maximum & time

## SER-ESB-024-1.txt

number		acc. x-direction		acc. y-direction		acc. z-direction		acc. x-rotation	
(sec)	(rad/s/s)	(gal)	(sec)	(gal)	(sec)	(gal)	(sec)	(rad/s/s)	
( 9101)						8.062E+02	13.176*		
( 9102)						-7.402E+02	13.106*		
( 9103)						-7.836E+02	13.096*		
( 9104)						-8.286E+02	8.004*		
( 9105)						6.823E+02	18.218*		
( 6)	7.401E+02	16.626*		8.265E+02	12.830*				
( 5)	7.073E+02	16.626*		7.782E+02	12.828*	3.539E+02	9.740*	1.938E-01	
( 145)	-6.446E+02	18.524*		7.249E+02	12.826*	3.485E+02	9.740*	1.760E-01	
( 4)	-5.872E+02	18.524*		6.663E+02	12.824*	3.382E+02	9.740*	1.646E-01	
( 134)	-5.593E+02	18.520*		5.227E+02	12.828*	-3.285E+02	10.194*	1.236E-01	
( 3)	-4.200E+02	18.526*		4.107E+02	10.672*	-3.193E+02	10.192*	9.444E-02	
( 123)	4.597E+02	17.484*		4.890E+02	16.954*	-3.288E+02	10.194*	-5.576E-02	
( 2)	4.060E+02	16.942*		-4.187E+02	15.984*	-3.084E+02	17.330*	3.541E-02	
( 9106)						-4.851E+02	7.886*		
( 9201)						-4.226E+02	7.884*		
( 9301)						-3.269E+02	10.192*		

\* : store in result data file

1 \_\_\_\_\_

```
*** dac3n ***      < d-3 >  " joi "  maximum & time
```









SER-ESB-024-1.txt

\* : store in result data file

```
=====
*** dac3n ***      < d-3 >  " wav "  maximum & time
=====
```

```
=====
+-----+-----+
!           !      inp           !
! number   !      acc.           !
!           !      (gal)  (sec)  !
+-----+-----+
!           !                   !
! (    1)  !  -3.011E+02 12.640*!
! (    2)  !   3.011E+02 16.950*!
! (    3)  !   3.011E+02  2.610*!
!           !                   !
+-----+-----+
```

\* : store in result data file

```
1=====
*** dac3n ***      < d-3 >  " spl "  maximum & time
```

=====							
=====							
+-----+-----+-----+-----+							
! ! ! !	bk1		bk1		bk1		bk1
! number !	dis.-xyz		vel.-xyz		fkk.-xyz		fkc -xyz
! !	(cm)	(sec)	(kine)	(sec)	(ton)	(sec)	(ton)
(sec) !							
+-----+-----+-----+-----+							
! ! ! !							
! !							
! ( 8001) !	-9.870E-03	16.628*!	5.257E-01	16.648*!	-8.646E+02	16.628*!	-8.646E+02
16.628*!							
! ( 8002) !	-1.713E-02	12.832*!	1.144E+00	9.670*!	-9.813E+02	12.832*!	-9.813E+02
12.832*!							
! ( 9101) !	-2.007E-01	13.178*!	1.195E+01	4.810*!	-6.090E+02	13.178*!	-6.090E+02
13.178*!							



		SER-ESB-024-1.txt					
! ( 9102) !	8.495E-02	13.106*!	7.189E+00	18.202*!	1.919E+02	13.106*!	1.919E+02
13.106*!							
! ( 9103) !	4.545E-02	13.098*!	-4.723E+00	13.110*!	2.740E+01	13.098*!	2.740E+01
13.098*!							
!		!		!		!	
!							
! ( 9104) !	2.791E-02	8.004*!	-4.119E+00	6.628*!	5.785E+01	8.004*!	5.785E+01
8.004*!							
! ( 9105) !	-1.702E-02	18.218*!	3.029E+00	18.226*!	-2.778E+01	18.218*!	-2.778E+01
18.218*!							
! ( 9106) !	7.116E-03	7.886*!	-1.162E+00	18.204*!	3.552E+01	7.886*!	3.552E+01
7.886*!							
! ( 9201) !	6.346E-03	7.886*!	-1.054E+00	18.204*!	1.137E+02	7.886*!	1.137E+02
7.886*!							
! ( 9301) !	5.782E-05	10.192*!	-8.646E-03	18.200*!	4.946E+01	10.192*!	4.946E+01
10.192*!							
!		!		!		!	
!							

```

* : store in result data file
1=====
*** dac3n ***    < d-3 >  " bml "  maximum & time

```

[illegible]



## SER-ESB-024-1.txt

```

!      !      !      !      !      !      !
! ( 2203) ! 1.042E-05 10.198*! -1.937E-08 14.650*! 2.708E-08 12.828*! 1.754E-09
12.830*! -3.029E-08 11.242*! 1.607E-08 14.648*!
! ( 202) ! 1.112E-05 10.198*! 3.505E-08 17.496*! 3.245E-08 12.826*! 1.669E-09
12.828*! -2.251E-08 11.242*! 2.279E-08 14.650*!
! ( 2202) ! 1.203E-05 10.196*! 3.735E-08 17.494*! 3.401E-08 12.828*! 1.711E-09
12.828*! -2.832E-08 11.242*! 2.888E-08 14.650*!
! ( 201) ! 2.648E-06 10.198*! 3.001E-09 17.496*! 3.026E-09 16.958*! 3.078E-10
14.650*! -1.085E-08 12.828*! 6.693E-09 14.648*!
!      !      !      !      !      !
!      !      !      !      !      !

```

```

* : store in result data file

```

```

=====
*** dac3n *** < d-3 > " bml " maximum & time
=====

```

```

+-----+-----+-----+-----+
!      !      !      !      !      !      !
!      !      !      !      !      !      !
! number ! b-moment ! c-moment ! b-curvature !
c-curvature !
! (sec) ! (ton*cm) (sec) ! (ton*cm) (sec) ! (1/cm) (sec) ! (1/cm)

```

```

+-----+-----+-----+-----+
!      !      !      !      !      !      !
! ( 104) ! 9.138E+05 9.690*! 9.137E+05 14.652*! 1.006E-08 9.690*! 5.506E-09
14.652*!
! ( 2104) ! -1.582E+06 11.242*! 1.531E+06 14.652*! -1.742E-08 11.242*! 9.229E-09
14.652*!
! ( 103) ! -3.453E+06 11.242*! 3.349E+06 14.648*! -2.436E-08 11.242*! 1.295E-08
14.648*!
! ( 2103) ! -5.133E+06 11.242*! 4.967E+06 14.648*! -3.622E-08 11.242*! 1.921E-08
14.648*!
! ( 102) ! -6.778E+06 11.242*! 6.732E+06 14.650*! -2.535E-08 11.242*! 2.574E-08
14.650*!
!      !      !      !      !      !
! ( 2102) ! -8.373E+06 12.828*! 8.374E+06 14.650*! -3.132E-08 12.828*! 3.202E-08
14.650*!
! ( 101) ! -1.043E+07 12.826*! 1.042E+07 14.648*! -1.207E-08 12.826*! 7.437E-09
14.648*!
! ( 204) ! -5.564E-08 11.242*! 4.001E-08 14.650*! -1.959E-06 11.242*! 1.409E-06
14.650*!
! ( 2204) ! -6.438E-08 11.242*! 4.669E-08 14.650*! -2.267E-06 11.242*! 1.644E-06
14.650*!
! ( 203) ! -4.855E-08 12.828*! 3.501E-08 14.648*! -1.709E-06 12.828*! 1.233E-06
14.648*!
!      !      !      !      !      !
! ( 2203) ! -5.483E-08 12.828*! 3.909E-08 14.650*! -1.931E-06 12.828*! 1.376E-06

```

## SER-ESB-024-1.txt

```

14.650*!
! ( 202) ! -5.318E-08 12.826*! -5.739E-08 17.496*! -1.872E-06 12.826*! -2.021E-06
17.496*!
! ( 2202) ! -5.590E-08 12.828*! -6.129E-08 17.494*! -1.968E-06 12.828*! -2.158E-06
17.494*!
! ( 201) ! -5.152E-09 16.958*! -5.030E-09 17.496*! -2.028E-07 16.958*! -1.980E-07
17.496*!
! ! ! ! !
! ! ! ! !

```

```

+-----+-----+-----+-----+-----+
-----+

```

\* : store in result data file

```

1=====
=====

```

```

*** dac3n *** < d-3 > " bml " maximum & time

```

```

=====
=====

```

```

+-----+-----+-----+-----+-----+
-----+
! ! jnod ! jnod ! jnod ! jnod
! number ! b-momnet ! c-moment ! b-curvature !
c-curvature ! (ton*cm) (sec) ! (ton*cm) (sec) ! (1/cm) (sec) ! (1/cm)
(sec) !

```

```

+-----+-----+-----+-----+-----+
-----+
! ! ! ! !
! ( 104) ! 3.737E+05 9.688*! 3.794E+05 14.652*! 4.115E-09 9.688*! 2.286E-09
14.652*!
! ( 2104) ! 9.105E+05 9.690*! 9.119E+05 14.652*! 1.002E-08 9.690*! 5.495E-09
14.652*!
! ( 103) ! -1.931E+06 11.242*! 1.884E+06 14.648*! -1.362E-08 11.242*! 7.287E-09
14.648*!
! ( 2103) ! -3.451E+06 11.242*! 3.346E+06 14.648*! -2.435E-08 11.242*! 1.294E-08
14.648*!
! ( 102) ! -5.256E+06 11.242*! 5.189E+06 14.650*! -1.966E-08 11.242*! 1.984E-08
14.650*!
! ! ! ! !
! ( 2102) ! -6.777E+06 11.242*! 6.731E+06 14.650*! -2.535E-08 11.242*! 2.574E-08
14.650*!
! ( 101) ! -8.375E+06 12.828*! 8.366E+06 14.650*! -9.686E-09 12.828*! 5.969E-09
14.650*!
! ( 204) ! 5.526E-08 11.242*! -3.979E-08 14.650*! 1.946E-06 11.242*! -1.401E-06
14.650*!
! ( 2204) ! 6.361E-08 11.242*! -4.627E-08 14.650*! 2.240E-06 11.242*! -1.629E-06
14.650*!
! ( 203) ! 4.761E-08 12.828*! -3.444E-08 14.648*! 1.676E-06 12.828*! -1.213E-06
14.648*!
! ! ! ! !
! ( 2203) ! 5.322E-08 12.828*! -3.818E-08 14.650*! 1.874E-06 12.828*! -1.344E-06
14.650*!
! ( 202) ! 5.196E-08 12.826*! 5.617E-08 17.496*! 1.829E-06 12.826*! 1.978E-06
17.496*!

```

SER-ESB-024-1.txt  
 ! ( 2202 ) ! 5.430E-08 12.828\*! 5.971E-08 17.494\*! 1.912E-06 12.828\*! 2.103E-06  
 17.494\*!  
 ! ( 201 ) ! 4.652E-09 16.958\*! 4.695E-09 17.496\*! 1.832E-07 16.958\*! 1.848E-07  
 17.496\*!  
 ! ! ! ! !

+-----+  
 -----+

\* : store in result data file

```
<< elmjoi >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmwav >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmvbr >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmdsl >> 1997.07.03 wata@ori.shimz.co.jp
<< elmspl >> 1997.07.03 wata@ori.shimz.co.jp
<< elmspn >> 1997.07.03 wata@ori.shimz.co.jp
<< elmtrs >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmbml >> 1997.07.03 wata@ori.shimz.co.jp
<< elmbmn >> 1997.07.03 wata@ori.shimz.co.jp
<< elmupl >> 1997.07.03 wata@ori.shimz.co.jp
<< elmuph >> 1997.07.03 hana@ori.shimz.co.jp
<< elmgum >> 1997.07.03 hanamura@atom.shimz.co.jp
<< elmupt >> 1997.07.03 tamura@atom.shimz.co.jp
<< elmdse >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmdsk >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmspe >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmspb >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmspd >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmspt >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmbmk >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmcik >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmgrn >> 1997.07.03 hayashi@ori.shimz.co.jp
<< elmrec >> 1997.07.03 fukutake@ori.shimz.co.jp
<< elmmat >> 1997.07.03 wata@ori.shimz.co.jp
<< elmmt2 >> 1997.07.03 wata@ori.shimz.co.jp
<< elmvec >> 1997.07.03 wata@ori.shimz.co.jp
<< elmwlk >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmwnc >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmcnk >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmbnk >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmbck >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmspi >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmfr2 >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmsp2 >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmsp3 >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmbms >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmeng >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmmss >> 1997.07.03 kikuchi@ori.shimz.co.jp
<< elmpen >> 1997.07.03 kimura@sek.shimz.co.jp
<< elmmss >> 1997.07.03 mori@ori.shimz.co.jp
<< elmex1 >> 1997.07.03 wata@ori.shimz.co.jp
<< elmv95 >> 1997.07.03 wata@ori.shimz.co.jp
```

1=====

\*\*\* dac3n \*\*\* < e-1 > control data for edit wave data

=====

njob = 1000 : job number  
 mww2 = 11000 : number of output wave length  
 Page 32

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```

mrs1 =      583 : number of result data : calculate
mout =      583 : number of result data : output to file

dlt3 =      .0020 : time increments of output wave
kmax =    10000000 : prepared size of the array
mcon =      4665 : size of the arrays for control
mwrk =    9988000 : size of the arrays for work space
                    mwrk = mww2*mper
mper =      908 : available number of wave to edit per one

```

rewind operation

nswv = 144 : number of wave data to edit

1=====

\*\*\* dac3n \*\*\* &lt; e-3 &gt; ncode &amp; mcode list of edit wave

```

=====
ncod mcod <----- titl -----> <-----smax-----> <---dlt3--->
<---mww2---> <-----xmin-----> <-----xmax----->

```

1000	1	joi ( 9101)	acc. z-direction	(gal)	8.06238220E+02	2.000E-03
11000		-7.48190491E+02	8.06238220E+02			
1000	2	joi ( 9102)	acc. z-direction	(gal)	7.40163574E+02	2.000E-03
11000		-7.40163574E+02	6.41729370E+02			
1000	3	joi ( 9103)	acc. z-direction	(gal)	7.83623291E+02	2.000E-03
11000		-7.83623291E+02	6.95167969E+02			
1000	4	joi ( 9104)	acc. z-direction	(gal)	8.28570496E+02	2.000E-03
11000		-8.28570496E+02	7.66472534E+02			
1000	5	joi ( 9105)	acc. z-direction	(gal)	6.82319946E+02	2.000E-03
11000		-6.67593933E+02	6.82319946E+02			
1000	6	joi ( 6)	acc. x-direction	(gal)	7.40131836E+02	2.000E-03
11000		-7.18872498E+02	7.40131836E+02			
1000	7	joi ( 6)	acc. y-direction	(gal)	8.26538574E+02	2.000E-03
11000		-7.82352478E+02	8.26538574E+02			
1000	8	joi ( 5)	acc. x-direction	(gal)	7.07291138E+02	2.000E-03
11000		-6.77063477E+02	7.07291138E+02			
1000	9	joi ( 5)	acc. y-direction	(gal)	7.78230591E+02	2.000E-03
11000		-7.56903503E+02	7.78230591E+02			
1000	10	joi ( 5)	acc. z-direction	(gal)	3.53892853E+02	2.000E-03
11000		-3.37320496E+02	3.53892853E+02			
1000	11	joi ( 5)	acc. x-rotation	(rad/s/s)	1.93800777E-01	2.000E-03
11000		-1.62418753E-01	1.93800777E-01			
1000	12	joi ( 5)	acc. y-rotation	(rad/s/s)	1.25120446E-01	2.000E-03
11000		-1.25120446E-01	1.15703516E-01			
1000	13	joi ( 5)	acc. z-rotation	(rad/s/s)	1.22834928E-02	2.000E-03
11000		-9.88835841E-03	1.22834928E-02			
1000	14	joi ( 145)	acc. x-direction	(gal)	6.44595093E+02	2.000E-03
11000		-6.44595093E+02	6.43058533E+02			
1000	15	joi ( 145)	acc. y-direction	(gal)	7.24883850E+02	2.000E-03
11000		-6.66577637E+02	7.24883850E+02			
1000	16	joi ( 145)	acc. z-direction	(gal)	3.48536621E+02	2.000E-03
11000		-3.36010315E+02	3.48536621E+02			
1000	17	joi ( 145)	acc. x-rotation	(rad/s/s)	1.76045865E-01	2.000E-03
11000		-1.56510055E-01	1.76045865E-01			
1000	18	joi ( 145)	acc. y-rotation	(rad/s/s)	1.15217790E-01	2.000E-03
11000		-1.15217790E-01	1.12033956E-01			
1000	19	joi ( 145)	acc. z-rotation	(rad/s/s)	1.06209386E-02	2.000E-03
11000		-8.66777636E-03	1.06209386E-02			
1000	20	joi ( 4)	acc. x-direction	(gal)	5.87201111E+02	2.000E-03

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11000	-5.87201111E+02	5.76632813E+02			
1000	21 joi ( 4)	acc. y-direction	(gal)	6.66271790E+02	2.000E-03
11000	-5.73416748E+02	6.66271790E+02			
1000	22 joi ( 4)	acc. z-direction	(gal)	3.38178192E+02	2.000E-03
11000	-3.30945374E+02	3.38178192E+02			
1000	23 joi ( 4)	acc. x-rotation	(rad/s/s)	1.64645612E-01	2.000E-03
11000	-1.51877761E-01	1.64645612E-01			
1000	24 joi ( 4)	acc. y-rotation	(rad/s/s)	1.21118203E-01	2.000E-03
11000	-1.17640778E-01	1.21118203E-01			
1000	25 joi ( 4)	acc. z-rotation	(rad/s/s)	8.88043828E-03	2.000E-03
11000	-7.44839385E-03	8.88043828E-03			
1000	26 joi ( 134)	acc. x-direction	(gal)	5.59349487E+02	2.000E-03
11000	-5.59349487E+02	5.39781006E+02			
1000	27 joi ( 134)	acc. y-direction	(gal)	5.22666443E+02	2.000E-03
11000	-4.30035095E+02	5.22666443E+02			
1000	28 joi ( 134)	acc. z-direction	(gal)	3.28530426E+02	2.000E-03
11000	-3.28530426E+02	3.26067993E+02			
1000	29 joi ( 134)	acc. x-rotation	(rad/s/s)	1.23640306E-01	2.000E-03
11000	-1.08764574E-01	1.23640306E-01			
1000	30 joi ( 134)	acc. y-rotation	(rad/s/s)	8.75747055E-02	2.000E-03
11000	-8.75747055E-02	8.39636326E-02			
1000	31 joi ( 134)	acc. z-rotation	(rad/s/s)	6.93961093E-03	2.000E-03
11000	-6.04543276E-03	6.93961093E-03			
1000	32 joi ( 3)	acc. x-direction	(gal)	4.19993042E+02	2.000E-03
11000	-4.19993042E+02	4.10290771E+02			
1000	33 joi ( 3)	acc. y-direction	(gal)	4.10657776E+02	2.000E-03
11000	-3.68795532E+02	4.10657776E+02			
1000	34 joi ( 3)	acc. z-direction	(gal)	3.19305054E+02	2.000E-03
11000	-3.19305054E+02	3.14668304E+02			
1000	35 joi ( 3)	acc. x-rotation	(rad/s/s)	9.44419131E-02	2.000E-03
11000	-8.76239017E-02	9.44419131E-02			
1000	36 joi ( 3)	acc. y-rotation	(rad/s/s)	7.77827054E-02	2.000E-03
11000	-7.77827054E-02	7.52179250E-02			
1000	37 joi ( 3)	acc. z-rotation	(rad/s/s)	4.37186472E-03	2.000E-03
11000	-4.08839341E-03	4.37186472E-03			
1000	38 joi ( 123)	acc. x-direction	(gal)	4.59675507E+02	2.000E-03
11000	-4.24437714E+02	4.59675507E+02			
1000	39 joi ( 123)	acc. y-direction	(gal)	4.89011505E+02	2.000E-03
11000	-4.46770325E+02	4.89011505E+02			
1000	40 joi ( 123)	acc. z-direction	(gal)	3.28809875E+02	2.000E-03
11000	-3.28809875E+02	3.27357971E+02			
1000	41 joi ( 123)	acc. x-rotation	(rad/s/s)	5.57578690E-02	2.000E-03
11000	-5.57578690E-02	5.55274114E-02			
1000	42 joi ( 123)	acc. y-rotation	(rad/s/s)	4.65437211E-02	2.000E-03
11000	-4.18926813E-02	4.65437211E-02			
1000	43 joi ( 123)	acc. z-rotation	(rad/s/s)	1.07869711E-02	2.000E-03
11000	-9.54183005E-03	1.07869711E-02			
1000	44 joi ( 2)	acc. x-direction	(gal)	4.05995605E+02	2.000E-03
11000	-3.90331635E+02	4.05995605E+02			
1000	45 joi ( 2)	acc. y-direction	(gal)	4.18686890E+02	2.000E-03
11000	-4.18686890E+02	4.13788757E+02			
1000	46 joi ( 2)	acc. z-direction	(gal)	3.08424164E+02	2.000E-03
11000	-3.08424164E+02	3.01012817E+02			
1000	47 joi ( 2)	acc. x-rotation	(rad/s/s)	3.54116783E-02	2.000E-03
11000	-3.50056887E-02	3.54116783E-02			
1000	48 joi ( 2)	acc. y-rotation	(rad/s/s)	2.42600050E-02	2.000E-03
11000	-2.42600050E-02	2.37388816E-02			
1000	49 joi ( 2)	acc. z-rotation	(rad/s/s)	1.56833660E-02	2.000E-03
11000	-1.49593046E-02	1.56833660E-02			
1000	50 joi ( 9106)	acc. z-direction	(gal)	4.85087860E+02	2.000E-03
11000	-4.85087860E+02	4.81266724E+02			

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SER-ESB-024-1.txt

\*\*\* dac3n \*\*\* &lt; e-3 &gt; ncode &amp; mcode list of edit wave

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=====
ncod mcod <----- titl -----> <-----smax-----> <---dlt3--->
<--mw2--> <-----xmin-----> <-----xmax----->

1000 51 joi ( 9201) acc. z-direction (gal) 4.22558350E+02 2.000E-03
11000 -4.22558350E+02 4.14830536E+02
1000 52 joi ( 9301) acc. z-direction (gal) 3.26901581E+02 2.000E-03
11000 -3.26901581E+02 3.15678009E+02
1000 105 joi ( 9101) dis. z-direction (cm) 2.14318648E-01 2.000E-03
11000 -2.14318648E-01 1.99683577E-01
1000 106 joi ( 9102) dis. z-direction (cm) 9.12977457E-02 2.000E-03
11000 -7.90522844E-02 9.12977457E-02
1000 107 joi ( 9103) dis. z-direction (cm) 5.45630790E-02 2.000E-03
11000 -5.19760065E-02 5.45630790E-02
1000 108 joi ( 9104) dis. z-direction (cm) 3.94291133E-02 2.000E-03
11000 -3.94291133E-02 3.59574445E-02
1000 109 joi ( 9105) dis. z-direction (cm) 3.09099238E-02 2.000E-03
11000 -3.09099238E-02 2.65430510E-02
1000 110 joi ( 6) dis. x-direction (cm) 1.65323839E-01 2.000E-03
11000 -1.65323839E-01 1.63376525E-01
1000 111 joi ( 6) dis. y-direction (cm) 2.10401043E-01 2.000E-03
11000 -2.10401043E-01 1.96701512E-01
1000 112 joi ( 5) dis. x-direction (cm) 1.55453950E-01 2.000E-03
11000 -1.55453950E-01 1.54053867E-01
1000 113 joi ( 5) dis. y-direction (cm) 1.93690777E-01 2.000E-03
11000 -1.93690777E-01 1.80679902E-01
1000 114 joi ( 5) dis. z-direction (cm) 1.69969331E-02 2.000E-03
11000 -1.66376326E-02 1.69969331E-02
1000 115 joi ( 5) dis. x-rotation (rad) 3.75003001E-05 2.000E-03
11000 -3.75003001E-05 3.74163865E-05
1000 116 joi ( 5) dis. y-rotation (rad) 2.72100569E-05 2.000E-03
11000 -2.72100569E-05 2.63006277E-05
1000 117 joi ( 5) dis. z-rotation (rad) 2.74730951E-06 2.000E-03
11000 -2.67541873E-06 2.74730951E-06
1000 118 joi ( 145) dis. x-direction (cm) 1.37920633E-01 2.000E-03
11000 -1.37920633E-01 1.37410492E-01
1000 119 joi ( 145) dis. y-direction (cm) 1.69907957E-01 2.000E-03
11000 -1.69907957E-01 1.57198474E-01
1000 120 joi ( 145) dis. z-direction (cm) 1.59294140E-02 2.000E-03
11000 -1.59294140E-02 1.59252360E-02
1000 121 joi ( 145) dis. x-rotation (rad) 3.59873193E-05 2.000E-03
11000 -3.59873193E-05 3.59563492E-05
1000 122 joi ( 145) dis. y-rotation (rad) 2.64071186E-05 2.000E-03
11000 -2.64071186E-05 2.54692895E-05
1000 123 joi ( 145) dis. z-rotation (rad) 2.44584407E-06 2.000E-03
11000 -2.38324424E-06 2.44584407E-06
1000 124 joi ( 4) dis. x-direction (cm) 1.19046792E-01 2.000E-03
11000 -1.18750639E-01 1.19046792E-01
1000 125 joi ( 4) dis. y-direction (cm) 1.43826187E-01 2.000E-03
11000 -1.43826187E-01 1.31708264E-01
1000 126 joi ( 4) dis. z-direction (cm) 1.42744770E-02 2.000E-03
11000 -1.42744770E-02 1.41838398E-02
1000 127 joi ( 4) dis. x-rotation (rad) 3.30017319E-05 2.000E-03
11000 -3.30017319E-05 3.29893301E-05
1000 128 joi ( 4) dis. y-rotation (rad) 2.47963762E-05 2.000E-03
11000 -2.47963762E-05 2.38983575E-05
1000 129 joi ( 4) dis. z-rotation (rad) 2.09541031E-06 2.000E-03
11000 -2.09541031E-06 2.09541031E-06
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## SER-ESB-024-1.txt

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11000 -2.04691014E-06 2.09541031E-06
1000 130 joi ( 134) dis. x-direction (cm) 8.89248252E-02 2.000E-03
11000 -8.83176178E-02 8.89248252E-02
1000 131 joi ( 134) dis. y-direction (cm) 1.01580366E-01 2.000E-03
11000 -1.01580366E-01 9.16451067E-02
1000 132 joi ( 134) dis. z-direction (cm) 1.12427287E-02 2.000E-03
11000 -1.12427287E-02 1.11065647E-02
1000 133 joi ( 134) dis. x-rotation (rad) 2.72428570E-05 2.000E-03
11000 -2.68404910E-05 2.72428570E-05
1000 134 joi ( 134) dis. y-rotation (rad) 2.13635085E-05 2.000E-03
11000 -2.13635085E-05 2.06403911E-05
1000 135 joi ( 134) dis. z-rotation (rad) 1.57084924E-06 2.000E-03
11000 -1.53494648E-06 1.57084924E-06
1000 136 joi ( 3) dis. x-direction (cm) 5.75564019E-02 2.000E-03
11000 -5.69615848E-02 5.75564019E-02
1000 137 joi ( 3) dis. y-direction (cm) 5.78711331E-02 2.000E-03
11000 -5.78711331E-02 5.11298701E-02
1000 138 joi ( 3) dis. z-direction (cm) 7.49426568E-03 2.000E-03
11000 -7.49426568E-03 7.42685003E-03
1000 139 joi ( 3) dis. x-rotation (rad) 1.74971519E-05 2.000E-03
11000 -1.70115982E-05 1.74971519E-05
1000 140 joi ( 3) dis. y-rotation (rad) 1.59298088E-05 2.000E-03
11000 -1.59298088E-05 1.55009002E-05
1000 141 joi ( 3) dis. z-rotation (rad) 9.87594944E-07 2.000E-03
11000 -9.66584025E-07 9.87594944E-07
1000 142 joi ( 123) dis. x-direction (cm) 3.02550625E-02 2.000E-03
11000 -2.99439747E-02 3.02550625E-02
1000 143 joi ( 123) dis. y-direction (cm) 3.02674454E-02 2.000E-03
11000 -3.02674454E-02 2.63891742E-02
1000 144 joi ( 123) dis. z-direction (cm) 4.15072963E-03 2.000E-03
11000 -4.14754869E-03 4.15072963E-03
1000 145 joi ( 123) dis. x-rotation (rad) 1.13131091E-05 2.000E-03
11000 -1.08771719E-05 1.13131091E-05
1000 146 joi ( 123) dis. y-rotation (rad) 9.80224559E-06 2.000E-03
11000 -9.80224559E-06 9.49956302E-06
1000 147 joi ( 123) dis. z-rotation (rad) 5.39398116E-07 2.000E-03
11000 -5.26352892E-07 5.39398116E-07
1000 148 joi ( 2) dis. x-direction (cm) 3.14373290E-03 2.000E-03
11000 -3.11342627E-03 3.14373290E-03
1000 149 joi ( 2) dis. y-direction (cm) 3.41417058E-03 2.000E-03
11000 -3.41417058E-03 3.02148843E-03
1000 150 joi ( 2) dis. z-direction (cm) 8.27157288E-04 2.000E-03
11000 -8.27157288E-04 8.20679183E-04
1000 151 joi ( 2) dis. x-rotation (rad) 3.34695460E-06 2.000E-03
11000 -3.17251647E-06 3.34695460E-06
1000 152 joi ( 2) dis. y-rotation (rad) 2.05048082E-06 2.000E-03
11000 -2.03634659E-06 2.05048082E-06

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*** dac3n *** < e-3 > ncode & mcode list of edit wave
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ncod mcod <----- titl -----> <-----smax-----> <---dlt3--->
<---mww2--> <-----xmin-----> <-----xmax----->

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1000 153 joi ( 2) dis. z-rotation (rad) 9.23485715E-08 2.000E-03
11000 -8.62607337E-08 9.23485715E-08
1000 154 joi ( 9106) dis. z-direction (cm) 2.22684667E-02 2.000E-03
11000 -2.22684667E-02 2.21294053E-02

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1000	155	joi ( 9201)	dis. z-direction	(cm)	1.98978819E-02	2.000E-03
11000	-1.98978819E-02		1.93752144E-02			
1000	156	joi ( 9301)	dis. z-direction	(cm)	7.54682487E-03	2.000E-03
11000	-7.54682487E-03		7.48237362E-03			
1000	264	spl ( 8001)	bk1 dis.-xyz	(cm)	9.86989029E-03	2.000E-03
11000	-9.86989029E-03		9.53836925E-03			
1000	265	spl ( 8001)	bk1 vel.-xyz	(kine)	5.25652587E-01	2.000E-03
11000	-5.23927987E-01		5.25652587E-01			
1000	266	spl ( 8001)	bk1 fkk.-xyz	(ton)	8.64602417E+02	2.000E-03
11000	-8.64602417E+02		8.35561096E+02			
1000	267	spl ( 8001)	bk1 fkc -xyz	(ton)	8.64602417E+02	2.000E-03
11000	-8.64602417E+02		8.35561096E+02			
1000	268	spl ( 8002)	bk1 dis.-xyz	(cm)	1.71255004E-02	2.000E-03
11000	-1.71255004E-02		1.60811637E-02			
1000	269	spl ( 8002)	bk1 vel.-xyz	(kine)	1.14435709E+00	2.000E-03
11000	-1.07086420E+00		1.14435709E+00			
1000	270	spl ( 8002)	bk1 fkk.-xyz	(ton)	9.81291199E+02	2.000E-03
11000	-9.81291199E+02		9.21450684E+02			
1000	271	spl ( 8002)	bk1 fkc -xyz	(ton)	9.81291199E+02	2.000E-03
11000	-9.81291199E+02		9.21450684E+02			
1000	272	spl ( 9101)	bk1 dis.-xyz	(cm)	2.00664312E-01	2.000E-03
11000	-2.00664312E-01		1.86553285E-01			
1000	273	spl ( 9101)	bk1 vel.-xyz	(kine)	1.19482651E+01	2.000E-03
11000	-1.06672297E+01		1.19482651E+01			
1000	274	spl ( 9101)	bk1 fkk.-xyz	(ton)	6.09016235E+02	2.000E-03
11000	-6.09016235E+02		5.66189209E+02			
1000	275	spl ( 9101)	bk1 fkc -xyz	(ton)	6.09016235E+02	2.000E-03
11000	-6.09016235E+02		5.66189209E+02			
1000	276	spl ( 9102)	bk1 dis.-xyz	(cm)	8.49466398E-02	2.000E-03
11000	-7.43688568E-02		8.49466398E-02			
1000	277	spl ( 9102)	bk1 vel.-xyz	(kine)	7.18877029E+00	2.000E-03
11000	-6.52103949E+00		7.18877029E+00			
1000	278	spl ( 9102)	bk1 fkk.-xyz	(ton)	1.91894470E+02	2.000E-03
11000	-1.67999237E+02		1.91894470E+02			
1000	279	spl ( 9102)	bk1 fkc -xyz	(ton)	1.91894470E+02	2.000E-03
11000	-1.67999237E+02		1.91894470E+02			
1000	280	spl ( 9103)	bk1 dis.-xyz	(cm)	4.54459488E-02	2.000E-03
11000	-4.08273041E-02		4.54459488E-02			
1000	281	spl ( 9103)	bk1 vel.-xyz	(kine)	4.72287750E+00	2.000E-03
11000	-4.72287750E+00		4.64618540E+00			
1000	282	spl ( 9103)	bk1 fkk.-xyz	(ton)	2.74039059E+01	2.000E-03
11000	-2.46188641E+01		2.74039059E+01			
1000	283	spl ( 9103)	bk1 fkc -xyz	(ton)	2.74039059E+01	2.000E-03
11000	-2.46188641E+01		2.74039059E+01			
1000	284	spl ( 9104)	bk1 dis.-xyz	(cm)	2.79055629E-02	2.000E-03
11000	-2.62150336E-02		2.79055629E-02			
1000	285	spl ( 9104)	bk1 vel.-xyz	(kine)	4.11857605E+00	2.000E-03
11000	-4.11857605E+00		4.08725214E+00			
1000	286	spl ( 9104)	bk1 fkk.-xyz	(ton)	5.78482323E+01	2.000E-03
11000	-5.43437653E+01		5.78482323E+01			
1000	287	spl ( 9104)	bk1 fkc -xyz	(ton)	5.78482323E+01	2.000E-03
11000	-5.43437653E+01		5.78482323E+01			
1000	288	spl ( 9105)	bk1 dis.-xyz	(cm)	1.70240626E-02	2.000E-03
11000	-1.70240626E-02		1.65788848E-02			
1000	289	spl ( 9105)	bk1 vel.-xyz	(kine)	3.02865791E+00	2.000E-03
11000	-3.01462555E+00		3.02865791E+00			
1000	290	spl ( 9105)	bk1 fkk.-xyz	(ton)	2.77832680E+01	2.000E-03
11000	-2.77832680E+01		2.70567417E+01			
1000	291	spl ( 9105)	bk1 fkc -xyz	(ton)	2.77832680E+01	2.000E-03
11000	-2.77832680E+01		2.70567417E+01			
1000	292	spl ( 9106)	bk1 dis.-xyz	(cm)	7.11639598E-03	2.000E-03
11000	-6.88863499E-03		7.11639598E-03			
1000	293	spl ( 9106)	bk1 vel.-xyz	(kine)	1.16163480E+00	2.000E-03



SER-ESB-024-1.txt

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SER-ESB-024-2.txt

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\*\*\* dac3n \*\*\* &lt; g-2 &gt; inpt data echo

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7--  
titl esbwr cb dynamic analysis -medium- (disp mdv1=5)

njob	lcpu	lchk	lprn					
1000	1000	1	2					
leig	meiu	mtrv	lprn	npr1	npr2	tole	emin	emax
1	30	100	2	30	30			500.0
mstp	1	20	100	2	25			200.0
mstp								
menr								
mstp	mdv1	mdv2	lprn			dlt	alfa	beta
3700	5	1	2			0.005		

lite	nite	nktm	nkit	lcnv	lstu	lstp		
1	10	1	10	110	1	1		
		epsd		epsf		epse	emsd	emsf
ite2		1.0e-08		1.0e-06		1.0e-12	1.0e-08	1.0e-04
								emse
								1.0e-12
ncod	mcod	idir		xmax				
wav	9000	1	1	0.0				
wav	9000	2	2	0.0				
wav	9000	3	3	0.0				

key1 key2 key3 inum

outr			
ewav	joi	acc	
ewav	joi	dis	
ewav	sp1		
ewav	ds1		

	inum	xyzxyz	x-coord	y-coord	z-coord	ray-damp1	ray-damp2
joi	9101	ff fff	0	0	9.06e+2		
joi	9102	ff fff	0	0	9.06e+2		



## SER-ESB-024-2.txt

```

joi 9103 ff fff 0 0 9.06e+2
joi 9104 ff fff 0 0 9.06e+2
joi 9105 ff fff 0 0 9.06e+2

spl 8001 5 6 8001 1
spl 8002 5 6 8002 2
spl 8003 5 6 8002 3
imat rstf hdm1 hdm2 henr
smat 8001 8.760e+04 -1.0 -1.0 0.07
smat 8002 5.730e+04 -1.0 -1.0 0.07
smat 8003 1.0e+10 -1.0 -1.0 0.07

joi 6 ffff 14.618e+2 11.321e+2 13.5e+2
joi 5 14.618e+2 11.321e+2 9.06e+2
joi 145 14.529e+2 11.119e+2 6.855e+2
joi 4 14.529e+2 11.119e+2 4.65e+2
joi 134 14.497e+2 11.087e+2 1.325e+2
joi 3 14.497e+2 11.087e+2 -2.0e+2
joi 123 14.637e+2 11.289e+2 -4.700e+2
joi 2 14.637e+2 11.289e+2 -7.4e+2

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-----1-----2-----3-----4-----5-----6-----7--  
 continue to next page

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*** dac3n *** < g-2 > inpt data echo
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-----1-----2-----3-----4-----5-----6-----7--
joi 112 14.563e+2 11.215e+2 -8.900e+2
joi 1 fffffff 14.563e+2 11.215e+2 -10.4e+2
joi 999 fffffff 10000.0 0.0 0.0

x-weight y-weight z-weight x-inertia y-inertia z-inertia
wei 6 1150.0 1150.0 0.0 0.01 0.01 0.01
wei 5 2250.0 2250.0 3400.0 19.45e+8 30.87e+8 50.19e+8
wei 4 2710.0 2710.0 2710.0 22.68e+8 34.80e+8 61.98e+8
wei 3 2363.0 2363.0 2363.0 22.55e+8 33.44e+8 60.34e+8
wei 2 3603.0 3603.0 3603.0 22.16e+8 33.94e+8 55.28e+8
wei 1 2850.0 2850.0 2850.0 13.70e+8 22.05e+8 35.31e+8
wei 999 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001
wei 9101 0 0 745.5 0 0 0
wei 9102 0 0 255.0 0 0 0
wei 9103 0 0 34.6 0 0 0
wei 9104 0 0 69.4 0 0 0
wei 9105 0 0 39.5 0 0 0

wei 145 620.0 620.0 620.0 0.001 0.001 0.001
wei 134 1140.0 1140.0 1140.0 0.001 0.001 0.001
wei 123 954.1 954.1 954.1 0.001 0.001 0.001
wei 112 2850.0 2850.0 2850.0 0.001 0.001 0.001

```

```

inum inod jnod knod irgd imat isct
bm1 104 4 5 999 4104 13 104
bm1 103 3 4 999 3103 13 103
bm1 102 2 3 999 2102 13 102
bm1 101 1 2 999 1101 9 101
bm1 204 4 5 999 4204 13 204
bm1 203 3 4 999 3203 13 203
bm1 202 2 3 999 2202 13 202
bm1 201 1 2 999 1201 13 201
shear elem

```

## SER-ESB-024-2.txt

```

bm1 104 145 5 999 4104 13 104
bm1 2104 4 145 999 4504 13 104
bm1 103 134 4 999 3103 13 103
bm1 2103 3 134 999 3503 13 103
bm1 102 123 3 999 2102 13 102
bm1 2102 2 123 999 2502 13 102
bm1 101 1 2 999 1101 9 101
bm1 2101 1 112 999 1501 9 101
axial elem
bm1 204 145 5 999 4204 13 204
bm1 2204 4 145 999 4604 13 204
bm1 203 134 4 999 3203 13 203
bm1 2203 3 134 999 3603 13 203
bm1 202 123 3 999 2202 13 202
bm1 2202 2 123 999 2602 13 202
bm1 201 1 2 999 1201 9 201
bm1 2201 1 112 999 1601 9 201

```

```

-----1-----2-----3-----4-----5-----6-----7--

```

continue to next page

1

```

*** dac3n ***      < g-2 > inpt data echo

```

```

-----1-----2-----3-----4-----5-----6-----7--

```

```

      inum inod jnod knod irgd imat iknd
spl  9101 5 9101          9101 3
spl  9102 5 9102          9102 3
spl  9103 5 9103          9103 3
spl  9104 5 9104          9104 3
spl  9105 5 9105          9105 3

```

```

      rigid link
      imat      xi      yi      zi      xj      yj      zj
shear elem
rigd 4104      61.1     33.1     0.0     52.2     12.9     0.0
rigd 4504      61.1     33.1     0.0     61.1     33.1     0.0
rigd 3103      44.1     41.8     0.0     40.9     38.6     0.0
rigd 3503      44.1     41.8     0.0     44.1     41.8     0.0
rigd 2102      17.7     16.1     0.0     31.7     36.3     0.0
rigd 2502      17.7     16.1     0.0     17.7     16.1     0.0
rigd 1101      13.7     23.5     0.0      6.3     16.1     0.0
rigd 1501      13.7     23.5     0.0     13.7     23.5     0.0
axial elem
rigd 4204      36.5     33.1     0.0     27.6     12.9     0.0
rigd 4604      36.5     33.1     0.0     36.5     33.1     0.0
rigd 3203      30.7     39.4     0.0     27.5     36.2     0.0
rigd 3603      30.7     39.4     0.0     30.7     39.4     0.0
rigd 2202      12.3     16.1     0.0     26.3     36.3     0.0
rigd 2602      12.3     16.1     0.0     12.3     16.1     0.0
rigd 1201      13.7     23.5     0.0      6.3     16.1     0.0
rigd 1601      13.7     23.5     0.0     13.7     23.5     0.0

```

```

      isct      sa      sb      sc      ja      ib      ic
bsct 104      0.0001 39.47e4 31.06e4 120.63e10 31.98e10 58.43e10
bsct 103      0.0001 54.28e4 42.16e4 162.24e10 49.90e10 91.06e10
bsct 102      0.0001 54.54e4 61.45e4 161.49e10 94.13e10 92.09e10
bsct 101      0.0001 721.14e4 721.14e4 985.06e10 340.40e10 551.73e10
bsct 204      68.57e4 0.0001 0.0001 0.0001 0.0001 0.0001
bsct 203      93.20e4 0.0001 0.0001 0.0001 0.0001 0.0001

```

SER-ESB-024-2.txt

bsct	202	110.95e4	0.0001	0.0001	0.0001	0.0001	0.0001
bsct	201	721.14e4	0.0001	0.0001	0.0001	0.0001	0.0001

	imat	gg	ee	hdm1	hdm2	henr
bmat	13	1.20e2	2.84e2	-1.0	-1.0	0.07
bmat	9	1.08e2	2.54e2	-1.0	-1.0	0.07
	imat	rstf		hdm1	hdm2	henr
smat	9101	3.035e3		-1.0	-1.0	0.07
smat	9102	2.259e3		-1.0	-1.0	0.07
smat	9103	6.030e2		-1.0	-1.0	0.07
smat	9104	2.073e3		-1.0	-1.0	0.07
smat	9105	1.632e3		-1.0	-1.0	0.07

end of input data .

1=====

\*\*\* dac3n \*\*\* < i-0 > information of dac3n system

-----  
1996.01.01  
-----

----- project member -----

1986	koyanagi hasegawa watanabe
1987	koyanagi nakai itikawa fukuwa takahashi hayashi watanabe tamura kaneko oosawa
1988	koyanagi fukuwa hayashi watanabe ootsuki tamura kaneko kikuchi
1989	koyanagi fukuwa hayashi watanabe yokoyama taki ootsuki takura kaneko kikuchi
1990	koyanagi fukuwa hayashi watanabe yokoyama ootsuki fukutake tamura kaneko kikuchi
1991	koyanagi watanabe kikuchi
1992	koyanagi watanabe kikuchi
1993	koyanagi watanabe kikuchi
1994	koyanagi watanabe kikuchi
1995	watanabe kikuchi
1996	watanabe kikuchi
1997	watanabe kikuchi

1=====

\*\*\* dac3n \*\*\* < i-1 > check echo of "titl" "istp" card

\*\*\* titls \*\*\*

esbwr cb dynamic analysis -medium- (disp mdv1=5)

## SER-ESB-024-2.txt

hlinix	hup10x	hbilix	hntrix	hmultx
htkd1x	hdtrmx	hgenkx	hbifrx	hgentx
hgnpkx	hdtrix	hdxtr2x	hfuncx	hrmbgx
hdtrfx	hbrgkx	habltx	hlrb3x	hlrbkx
hgvf3x	hslipx	hinadx	hpeakx	huprtx
hupkvx	hupvrx	hmsmcx	hmsncx	

1joijoi	2wavnon	3vbrnon	11dslspl	21splspl
22spnsp1	28trsspl	31bm1spl	32bmnspl	4up1non
5uphnon	6gumnon	7uptnon	13dsespl	14dskspl
23spespl	25spbsp1	26spdsp1	27sptspl	34bmkspl
36clkspl	43grnnon	51recrec	61matnon	62mt2non
65vecnon	71wlkw1k	72wnkw1k	81cnkspl	84bnkspl
86bckspl	112spispl	113fr2spl	115sp2spl	116sp3spl
124bmsspl	199engnon	141mssspl	142penspl	143msmspl
144ex1spl	145v95spl			

\*\*\* istp card \*\*\*

```

njob = 1000      : n-code of job
                  def= 10000
ncpu = 1000      : cpu time limit (sec) ( not use )
                  def= 1000
lchk = 1          : calculation level
                  0,1= to data
                  2= check only
lprn = 2          : print level for i-step (def=2)
lket = 5          : keta-suu of printout
                  5= normal
                  7= 7-keta
                  9= 9-keta

```

1=====

\*\*\* dac3n \*\*\* &lt; i-11 &gt; check echo of "rigd" card

=====

i	irgd	x-cod(i)	y-cod(i)	z-cod(i)	x-cod(j)	y-cod(j)	z-cod(j)
1	4104	6.110E+01	3.310E+01	.000E+00	5.220E+01	1.290E+01	.000E+00
2	4504	6.110E+01	3.310E+01	.000E+00	6.110E+01	3.310E+01	.000E+00
3	3103	4.410E+01	4.180E+01	.000E+00	4.090E+01	3.860E+01	.000E+00
4	3503	4.410E+01	4.180E+01	.000E+00	4.410E+01	4.180E+01	.000E+00
5	2102	1.770E+01	1.610E+01	.000E+00	3.170E+01	3.630E+01	.000E+00
6	2502	1.770E+01	1.610E+01	.000E+00	1.770E+01	1.610E+01	.000E+00
7	1101	1.370E+01	2.350E+01	.000E+00	6.300E+00	1.610E+01	.000E+00
8	1501	1.370E+01	2.350E+01	.000E+00	1.370E+01	2.350E+01	.000E+00
9	4204	3.650E+01	3.310E+01	.000E+00	2.760E+01	1.290E+01	.000E+00
10	4604	3.650E+01	3.310E+01	.000E+00	3.650E+01	3.310E+01	.000E+00
11	3203	3.070E+01	3.940E+01	.000E+00	2.750E+01	3.620E+01	.000E+00
12	3603	3.070E+01	3.940E+01	.000E+00	3.070E+01	3.940E+01	.000E+00
13	2202	1.230E+01	1.610E+01	.000E+00	2.630E+01	3.630E+01	.000E+00
14	2602	1.230E+01	1.610E+01	.000E+00	1.230E+01	1.610E+01	.000E+00
15	1201	1.370E+01	2.350E+01	.000E+00	6.300E+00	1.610E+01	.000E+00
16	1601	1.370E+01	2.350E+01	.000E+00	1.370E+01	2.350E+01	.000E+00

1=====

## SER-ESB-024-2.txt

```
*** dac3n ***    < i-16 > check echo of "smat" card
```

```

i   imts      stiffness ray-damp1 ray-damp2 enrg-damp
1   8001      8.760E+04-1.000E+00-1.000E+00 7.000E-02
2   8002      5.730E+04-1.000E+00-1.000E+00 7.000E-02

```

1

```
*** dac3n ***    < i-12 > check echo of "bmat" card
```

```

i   imat      gg      ee ray-damp1 ray-damp2 enrg-damp
1   13      1.200E+02 2.840E+02-1.000E+00-1.000E+00 7.000E-02
2    9      1.080E+02 2.540E+02-1.000E+00-1.000E+00 7.000E-02

```

1

```
*** dac3n ***    < i-13 > check echo of "bsct" & "bsctd"
```

```

i   isct      sa      sb      sc      ja      ib      ic
1   104      1.000E-04 3.947E+05 3.106E+05 1.206E+12 3.198E+11 5.843E+11
2   103      1.000E-04 5.428E+05 4.216E+05 1.622E+12 4.990E+11 9.106E+11
3   102      1.000E-04 5.454E+05 6.145E+05 1.615E+12 9.413E+11 9.209E+11
4   101      1.000E-04 7.211E+06 7.211E+06 9.851E+12 3.404E+12 5.517E+12
5   204      6.857E+05 1.000E-04 1.000E-04 1.000E-04 1.000E-04 1.000E-04
6   203      9.320E+05 1.000E-04 1.000E-04 1.000E-04 1.000E-04 1.000E-04
7   202      1.110E+06 1.000E-04 1.000E-04 1.000E-04 1.000E-04 1.000E-04
8   201      7.211E+06 1.000E-04 1.000E-04 1.000E-04 1.000E-04 1.000E-04

```

1

```
*** dac3n ***    < ec-1 > check echo of "joi" card
```

```

w-y   i inod   xyzxyz   x-cod   y-cod   z-cod   hd-1   hd-2   w-x
      w-z      j-x      j-y      j-z
1     6     110000 1.462E+03 1.132E+03 1.350E+03 .000E+00 .000E+00 1.150E+03
1.150E+03 1.150E+03 1.000E-02 1.000E-02 1.000E-02
2     5     111111 1.462E+03 1.132E+03 9.060E+02 .000E+00 .000E+00 2.250E+03
2.250E+03 3.400E+03 1.945E+09 3.087E+09 5.019E+09
3    145     111111 1.453E+03 1.112E+03 6.855E+02 .000E+00 .000E+00 6.200E+02
6.200E+02 6.200E+02 1.000E-03 1.000E-03 1.000E-03
4     4     111111 1.453E+03 1.112E+03 4.650E+02 .000E+00 .000E+00 2.710E+03

```

## SER-ESB-024-2.txt

```

2.710E+03 2.710E+03 2.268E+09 3.480E+09 6.198E+09
  5 134 111111 1.450E+03 1.109E+03 1.325E+02 .000E+00 .000E+00 1.140E+03
1.140E+03 1.140E+03 1.000E-03 1.000E-03 1.000E-03
  6 3 111111 1.450E+03 1.109E+03-2.000E+02 .000E+00 .000E+00 2.363E+03
2.363E+03 2.363E+03 2.255E+09 3.344E+09 6.034E+09
  7 123 111111 1.464E+03 1.129E+03-4.700E+02 .000E+00 .000E+00 9.541E+02
9.541E+02 9.541E+02 1.000E-03 1.000E-03 1.000E-03
  8 2 111111 1.464E+03 1.129E+03-7.400E+02 .000E+00 .000E+00 3.603E+03
3.603E+03 3.603E+03 2.216E+09 3.394E+09 5.528E+09
  9 1 000000 1.456E+03 1.122E+03-1.040E+03 .000E+00 .000E+00 2.850E+03
2.850E+03 2.850E+03 1.370E+09 2.205E+09 3.531E+09
 10 999 000000 1.000E+04 .000E+00 .000E+00 .000E+00 .000E+00 1.000E-05
1.000E-05 1.000E-05 1.000E-05 1.000E-05 1.000E-05
1=====

```

```

*** dac3n *** < ec-21 > check echo of "spl" card
=====

```

```

--i-- elem-no. inod-no. jnod-no. knod-no. rigd-no. mats-no. kind-no.
      1      8001      5      6      0      0      8001      1
      2      8002      5      6      0      0      8002      2
1=====

```

```

*** dac3n *** < ec-31 > check echo of "bml" card
=====

```

w(ton)	i	ibea	i-join	j-join	k-join	rigd-no	matl-no	sect-no
.000E+00	1	104	145	5	999	4104	13	104
.000E+00	2	2104	4	145	999	4504	13	104
.000E+00	3	103	134	4	999	3103	13	103
.000E+00	4	2103	3	134	999	3503	13	103
.000E+00	5	102	123	3	999	2102	13	102
.000E+00	6	2102	2	123	999	2502	13	102
.000E+00	7	101	1	2	999	1101	9	101
.000E+00	8	204	145	5	999	4204	13	204
.000E+00	9	2204	4	145	999	4604	13	204
.000E+00	10	203	134	4	999	3203	13	203
.000E+00	11	2203	3	134	999	3603	13	203
.000E+00	12	202	123	3	999	2202	13	202
.000E+00	13	2202	2	123	999	2602	13	202
.000E+00	14	201	1	2	999	1201	9	201

SER-ESB-024-2.txt

.000E+00

1=====

\*\*\* dac3n \*\*\* &lt; i-34 &gt; check echo of "mstp,mmdl,menr"

\*\*\* mstp card \*\*\*

```

lanm = 2      : flag of m-step
               0,1=not exec,2=exec
leig = 1      : method of eigen value
               0,1= sub-space method
meiu = 20     : degree of calculate eigen value
               def= 10
mtrv = 20     : number of trial vector
               def= auto calculated
lprm = 2      : print level for m-step (def=2)
npr1 = 20     : dof for eigen-vector print
               def= 3 , .le.meiu
npr2 = 20     : dof for eigen-value print
               def=50 , .le.meiu
tole = 1.000E-06: error of eigen value analysis
               def= 1.0e-6
emin = .000E+00: limit of minimum frequency (hz)
emax = 2.000E+02: limit of maximum frequency (hz)

```

\*\*\* mmdl card \*\*\*

```

lmdl = 1      : flag of modal damping
               1=not 2=consider
mmdl = 0      : degree of modal damping
               def=meiu

```

\*\*\* menr card \*\*\*

```

lenr = 2      : flag of energy damping
               1=not 2=consider
menr = 20     : degree of energy damping
               def=meiu

```

1=====

\*\*\* dac3n \*\*\* &lt; p-1 &gt; information of array size

present size of array for x-step : 10000000

necessary size of array for x-step : 11644

end of structure array : 4436

end of d-step array : 11644

SER-ESB-024-2.txt

end of m-step array : 10860

1=====

\*\*\* dac3n \*\*\* &lt; p-8 &gt; jel(200,30) parameter for elem.

```

( 1) joielm
( 1) mjo i = 10 :number of joielm
( 2) mfre = 44 :degree of freedom to calculate
( 3) jfre = 44 :degree of freedom before condense
( 4) mlnk = 0 :number of lnk card
( 2) wave1m
( 1) mwav = 0 :number of wave1m
( 2) mstp = 0 :number of analysis step
( 3) vbrelm
( 1) mvbr = 0 :number of vbrelm
( 2) mwav = 0 :number of load wave
( 4) up1elm
( 1) mj j j = 0 :number of up1elm
( 5) uphe1m
( 1) mj j j = 0 :number of uphe1m
( 6) gumelm
( 1) mj j j = 0 :number of gumelm
( 7) uptelm
( 1) mj j j = 0 :number of uptelm
( 11) ds1elm
( 1) mdsp = 0 :number of ds1elm
( 13) dseelm
( 1) mdsp = 0 :number of dseelm
( 14) dske1m
( 1) mdsp = 0 :number of dske1m
( 21) splelm
( 1) mspr = 2 :number of splelm
( 22) spnelm
( 1) mspr = 0 :number of spnelm
( 23) speelm
( 1) mspr = 0 :number of speelm
( 25) spbelm
( 1) mspb = 0 :number of spbelm

```



## SER-ESB-024-2.txt

```

      ( 2) mhst =          0 :number of hysteresis data
      ( 3) mdmp =          1 :number of damping   data + 1
( 26) spdelm
      ( 1) mspd =          0 :number of spdelm
      ( 2) mhst =          0 :number of hysteresis data
      ( 3) mdmp =          1 :number of damping   data + 1
( 27) sptelm
      ( 1) mspt =          0 :number of sptelm
      ( 2) mhst =          0 :number of hysteresis data
      ( 3) mdmp =          1 :number of damping   data + 1
( 28) trselm
      ( 1) mtrs =          0 :number of trselm
      ( 2) mtrm =          0 :number of material table data

```

1=====

\*\*\* dac3n \*\*\* < p-8 > jel(200,30) parameter for elem.

```

( 31) bmlelm
      ( 1) mbea =          14 :number of bmlelm
( 32) bmnelm
      ( 1) mbea =          0 :number of bmnelm
( 34) bmkelm
      ( 1) mbmk =          0 :number of "bmk " card
      ( 2) mbmt =          1 :number of "bmkt" card + 1
      ( 3) mbmh =          1 :number of "bmkh" card + 1
      ( 4) mbmr =          1 :number of "bmkr" card + 1
      ( 5) mhys =          0 :number of non-linear hyst. index
( 36) clkelm
      ( 1) mclk =          0 :number of "clk " card
      ( 2) mclt =          1 :number of "clkt" card + 1
      ( 3) mclh =          1 :number of "clkh" card + 1
      ( 4) mclr =          1 :number of "clkr" card + 1
      ( 5) mhys =          0 :number of uniaxial non-linear hyst.
      ( 6) mhyb =          0 :number of biaxial  non-linear hyst.
( 37) clkelm
( 43) grnelm

```

SER-ESB-024-2.txt

```

( 1) mmat = 0 :number of matelm
( 2) ngrn = 0 :number of freedom
( 3) mgrn = 0 :number of time skip
( 4) lgrn = 0 :number of operation in convolution
( 5) igrn = 0 :ngrn * (ngrn+1)/2
( 6) jgrn = 0 :mgrn * lgrn

( 44) grnelm
( 51) recelm
( 1) mrec = 0 :number of recelm
( 2) nrev = 50 :number of reverse point
( 3) iswc = 0 :flag of switch
( 4) iswc = 0 :flag of g0 & g0x
( 5) mre1 = 0 :number of "reci " card
( 6) mrep = 0 :number of "recp " card
( 7) mref = 0 :number of "recf " card
( 8) mreg = 0 :number of "recg " card
( 9) mreg = 0 :number of "recd " card

( 52) recelm
( 53) recelm
( 61) matelm
( 1) mmat = 0 :number of matelm
( 2) mjdt = 0 :array size of "jdt"
( 3) mrdt = 0 :array size of "rdt"

( 62) mt2elm
( 1) mmat = 0 :number of mt2elm
( 2) mjdt = 0 :array size of "jdt"

( 65) vecelm
( 1) mkos = 0 :number of vecelm
( 2) mjdt = 0 :array size of "jdt"

```

```

1=====
=====

```

```

*** dac3n *** < p-8 > jel(200,30) parameter for elem.
=====
=====

```

```

( 71) wlkelm
( 1) mw1k = 0 :number of wlkelm
( 2) mw1m = 0 :number of "wlkm" card

```

SER-ESB-024-2.txt

( 3) mwld = 1 :number of "wld" card + 1

( 72) wnkelm  
 ( 1) mwnc = 0 :number of "wnk " card  
 ( 2) mwnc = 0 :number of "wnkm" card  
 ( 3) mwnc = 1 :number of "wnkd" card + 1  
 ( 4) mwnt = 0 :number of "wnkt" card  
 ( 5) mwnc = 0 :number of "wnws" card  
 ( 6) mwnc = 0 :number of "wnwb" card  
 ( 7) mwnc = 0 :number of "wnwa" card  
 ( 8) mwnc = 0 :number of "wnlc" card  
 ( 9) mwnc = 0 :number of "wnrc" card

( 73) wnkelm  
 ( 2) mwnc = 0 :number of non-linear hyst. ( =  
 5\*mwnk )

( 74) wnkelm  
 ( 81) cnkelm  
 ( 1) mcnc = 0 :number of "cnk " card  
 ( 2) mcnc = 1 :number of "cnkt" card + 1  
 ( 3) mcnc = 1 :number of "cnkh" card + 1  
 ( 4) mcnc = 1 :number of "cnkr" card + 1  
 ( 5) mcnc = 0 :number of "cnkc" card  
 ( 6) mcnc = 0 :number of "cnks" card  
 ( 7) mcnc = 0 :number of "cnkq" card  
 ( 8) mcnc = 1 :number of "cnkw" card + 1  
 ( 9) mcnc = 1 :number of "cnkd" card + 1

( 82) cnkelm  
 ( 2) mhys = 0 :number of uniaxial non-linear hyst.  
 ( 3) mhys = 0 :number of biaxial non-linear hyst.

( 83) cnkelm  
 ( 84) bnkelm  
 ( 1) mbnc = 0 :number of "bnk " card  
 ( 2) mbnc = 0 :number of "bnkc" card  
 ( 3) mbnc = 0 :number of "bnks" card  
 ( 4) mbnc = 0 :number of "bnkq" card  
 ( 5) mbnc = 1 :number of "bnkw" card + 1  
 ( 6) mbnc = 1 :number of "bnkr" card + 1

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```

( 7) mbnd = 1 :number of "bnkd" card + 1
( 8) mhys = 0 :number of non-linear hyst. index
( 85) bnkelm
( 86) bckelm
( 1) mbck = 0 :number of "bck " card
( 2) mbcc = 0 :number of "bckc" card
( 3) mbcs = 0 :number of "bcks" card
( 4) mbcq = 0 :number of "bckq" card
( 5) mbcw = 1 :number of "bckw" card + 1
( 6) mbcr = 1 :number of "bckr" card + 1
( 7) mbcd = 1 :number of "bckd" card + 1
( 8) mhys = 0 :number of non-linear hyst. index

```

1=====

```

*** dac3n *** < p-8 > jel(200,30) parameter for elem.
=====

```

```

( 87) bckelm
(112) spielm
( 1) mspi = 0 :number of spielm
( 2) msph = 0 :number of spielm
(113) fr2elm
( 1) mfrc = 0 :number of fr2elm
( 2) mfrh = 0 :number of "fr2h " card
(115) sp2elm
( 1) msp2 = 0 :number of sp2elm
( 2) msph = 0 :number of sp2elm
(116) sp3elm
( 1) msp3 = 0 :number of sp3elm
( 2) msph = 0 :number of sp3elm
(124) bmselm
( 1) mbms = 0 :number of "bms " card
( 2) mbmt = 1 :number of "bmst" card + 1
( 3) mbmh = 1 :number of "bmsh" card + 1
( 4) mbmr = 1 :number of "bmsr" card + 1
( 5) mhys = 0 :number of non-linear hyst. index
(141) msselem
( 1) mmss = 0 :number of msselem

```

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```

(142) penelm
      ( 1) mmmm =          0 :number of penelm

(143) msme1m
      ( 1) mmsm =          0 :number of "msm " card
      ( 2) mmsr =          1 :number of "msmr" card + 1
      ( 3) mssf =          1 :number of "msct" card + 1
      ( 4) mmsh =          1 :number of "msmh" card + 1
      ( 5) mma1 =          1 :number of "alen" card + 1

(144) ex1elm
      ( 1) mspr =          0 :number of ex1elm

(145) v95elm
      ( 1) mmmm =          0 :number of element
      ( 2) mjjj =          8 :size of jjj array
      ( 3) mrrr =         10 :size of rrr array

(199) engelm
      ( 1) meng =          0 :number of engelm

```

1=====

```

*** dac3n ***    < m-m > information of m-matrix diagnoal

```

=====

```

( 6)  1.173E+00  1.173E+00  fixed      fixed      fixed      fixed
( 5)  2.296E+00  2.296E+00  3.469E+00  1.985E+06  3.150E+06  5.121E+06
(145) 6.327E-01  6.327E-01  6.327E-01  1.020E-06  1.020E-06  1.020E-06
( 4)  2.765E+00  2.765E+00  2.765E+00  2.314E+06  3.551E+06  6.324E+06
(134) 1.163E+00  1.163E+00  1.163E+00  1.020E-06  1.020E-06  1.020E-06
( 3)  2.411E+00  2.411E+00  2.411E+00  2.301E+06  3.412E+06  6.157E+06
(123) 9.736E-01  9.736E-01  9.736E-01  1.020E-06  1.020E-06  1.020E-06
( 2)  3.677E+00  3.677E+00  3.677E+00  2.261E+06  3.463E+06  5.641E+06
( 1)  fixed      fixed      fixed      fixed      fixed      fixed
(999) fixed      fixed      fixed      fixed      fixed      fixed

```

total mass

```

      x      y      z      rx      ry      rz
1.509E+01  1.509E+01  1.509E+01  8.861E+06  1.358E+07  2.324E+07

```

1=====

```

*** dac3n ***    < m-k > information of k-matrix diagnoal

```

=====

```

( 6)  8.760E+04  5.730E+04  fixed      fixed      fixed      fixed
( 5)  3.013E+05  2.269E+05  8.832E+05  4.202E+11  7.497E+11  6.570E+11
(145) 4.275E+05  3.391E+05  1.766E+06  8.420E+11  1.501E+12  1.315E+12
( 4)  4.084E+05  3.220E+05  1.679E+06  8.588E+11  1.528E+12  1.243E+12
(134) 3.893E+05  3.049E+05  1.592E+06  8.760E+11  1.555E+12  1.172E+12

```

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```

(      3)  4.372E+05  4.246E+05  1.963E+06  1.434E+12  1.752E+12  1.305E+12
(    123)  4.852E+05  5.442E+05  2.334E+06  1.990E+12  1.947E+12  1.436E+12
(      2)  2.828E+06  2.851E+06  7.273E+06  3.968E+12  5.672E+12  4.265E+12
(      1)      fixed      fixed      fixed      fixed      fixed      fixed
(    999)      fixed      fixed      fixed      fixed      fixed      fixed

```

1=====

```

*** dac3n ***      < m-1 > information of subspace method

```

=====

```

*** control parameter ***

```

```

input      mfre = 44      : number of equations
           meiu = 20      : number of eigen value to be calculated : user
in program meig = 20      : number of eigen value to be calculated : use
m-matrix   mall = 44      : number of positive in diagonal term of
           mtrv = 20      : number of trial vectors
           mbnd = 9       : band width of matrix
           msht = 65      : max number of shift loop
           mite = 2       : parameter of iteration loop
           mit3 = 6       : max number of iteration loop
           emin = .000E+00: limit of minimum frequency (hz)
           emax = 2.000E+02: limit of maximum frequency (hz)
           tole = 1.000E-06: max tolerance of error ratio

```

```

*** infom *** at "mjacob"
dx.lt.0 in dsqrt(dx)
now set dx=abs(dx)

```

```

*** normal end of eigenvalue analysis

```

```

number of eigenvalues = 27
number of shifts      = 5
number of iterations  = 9

```

1=====

```

*** dac3n ***      < m-4 > frequency,period,partcipat. fact

```

=====

```

mode <--frequency-> <-- period -->      <----->
participation factor ----->
      (hz)      (sec)      (x dir. )      (y dir. )      (z dir.
)      ( x rot. )      ( y rot. )      ( z rot. )

```

```

1  1.0275170E+01  9.7321992E-02      1.8115393E-01  1.2866097E+00
1.1084470E-02 -1.8687624E+02  4.3031118E+01 -2.2632770E+01
2  1.0887146E+01  9.1851437E-02      1.2483696E+00 -1.7833025E-01
5.8368797E-03  2.1014393E+01  2.4803322E+02  2.8022373E+01
3  1.6669777E+01  5.9988806E-02      3.2983468E-04 -4.0305336E-04

```









SER-ESB-024-3.txt

1	1	3D	CONTROL-BLDG	SASSI	MODEL						
5863	455	10	14	18	0	3	3				MASTER
	9.810										
	4.500										
1	1	1	1	1	1	1	0.00	0.00	0.00		NODES
399	1	1	1	1	1	1	0.00	0.00	0.00	1	
400	0	0	0	0	0	0	23.36	70.37	-10.40		
401	0	0	0	0	0	0	23.50	70.60	-10.40		
402	0	0	0	0	0	0	23.50	70.60	-10.40		
403	1	1	1	1	1	1	0.00	0.00	0.00		
404	1	1	1	1	1	1	0.00	0.00	0.00		
405	1	1	1	1	1	1	99.99	70.60	-10.40		
406	1	1	1	1	1	1	99.99	70.60	-10.40		
407	1	1	1	1	1	1	0.00	0.00	0.00		
408	1	1	1	1	1	1	0.00	0.00	0.00		
409	1	1	1	1	1	1	0.00	0.00	0.00		
410	0	0	0	0	0	0	23.43	70.41	-7.40		
411	0	0	0	0	0	0	23.50	73.85	-7.40		
412	0	0	0	0	0	0	23.50	70.60	-7.40		
413	0	0	0	0	0	0	23.50	70.60	-7.40		
414	0	0	0	0	0	0	23.50	70.60	-7.40		
415	1	1	1	1	1	1	99.99	73.85	-7.40		
416	1	1	1	1	1	1	99.99	70.60	-7.40		
417	1	1	1	1	1	1	0.00	0.00	0.00		
418	1	1	1	1	1	1	0.00	0.00	0.00		
419	1	1	1	1	1	1	0.00	0.00	0.00		
420	0	0	0	0	0	0	23.43	70.41	-4.70		
421	0	0	0	0	0	0	23.50	73.85	-4.70		
422	0	0	0	0	0	0	23.50	70.60	-4.70		
423	0	0	0	0	0	0	23.50	73.85	-4.70		
424	0	0	0	0	0	0	23.50	70.60	-4.70		
425	1	1	1	1	1	1	99.99	73.85	-4.70		
426	1	1	1	1	1	1	99.99	70.60	-4.70		
427	1	1	1	1	1	1	0.00	0.00	0.00		
428	1	1	1	1	1	1	0.00	0.00	0.00		
429	1	1	1	1	1	1	0.00	0.00	0.00		
430	0	0	0	0	0	0	23.22	69.98	-2.00		
431	0	0	0	0	0	0	23.50	73.85	-2.00		
432	0	0	0	0	0	0	23.50	70.60	-2.00		
433	0	0	0	0	0	0	23.50	73.85	-2.00		
434	0	0	0	0	0	0	23.50	70.60	-2.00		
435	1	1	1	1	1	1	99.99	73.85	-2.00		
436	1	1	1	1	1	1	99.99	70.60	-2.00		
437	1	1	1	1	1	1	0.00	0.00	0.00		
438	1	1	1	1	1	1	0.00	0.00	0.00		
439	1	1	1	1	1	1	0.00	0.00	0.00		
440	0	0	0	0	0	0	23.22	69.98	1.325		
441	0	0	0	0	0	0	23.50	73.85	1.325		
442	0	0	0	0	0	0	23.50	70.60	1.325		
443	0	0	0	0	0	0	23.50	73.85	1.325		
444	0	0	0	0	0	0	23.50	70.60	1.325		
445	1	1	1	1	1	1	99.99	73.85	1.325		
446	1	1	1	1	1	1	99.99	70.60	1.325		
447	1	1	1	1	1	1	0.00	0.00	0.00		
448	1	1	1	1	1	1	0.00	0.00	0.00		
449	1	1	1	1	1	1	0.00	0.00	0.00		
450	0	0	0	0	0	0	23.30	70.15	4.50		
451	0	0	0	0	0	0	23.70	70.65	4.50		
452	0	0	0	0	0	0	23.60	70.65	4.50		
453	0	0	0	0	0	0	23.50	73.85	4.50		
454	0	0	0	0	0	0	23.50	70.60	4.50		
455	1	1	1	1	1	1	99.99	70.65	4.50		

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456	1	1	1	1	1	1	99.99	70.65	4.50
457	1	1	1	1	1	1	0.00	0.00	0.00
458	1	1	1	1	1	1	0.00	0.00	0.00
459	1	1	1	1	1	1	0.00	0.00	0.00
460	0	0	0	0	0	0	23.31	70.15	4.65
461	0	0	0	0	0	0	23.94	70.60	4.65
462	0	0	0	0	0	0	23.69	70.60	4.65
463	0	0	0	0	0	0	23.70	70.65	4.65
464	0	0	0	0	0	0	23.60	70.65	4.65
465	1	1	1	1	1	1	99.99	70.60	4.65
466	1	1	1	1	1	1	99.99	70.60	4.65
467	1	1	1	1	1	1	0.00	0.00	0.00
468	1	1	1	1	1	1	0.00	0.00	0.00
469	1	1	1	1	1	1	0.00	0.00	0.00
470	0	0	0	0	0	0	23.31	70.15	6.855
471	0	0	0	0	0	0	23.94	70.60	6.855
472	0	0	0	0	0	0	23.69	70.60	6.855
473	0	0	0	0	0	0	23.94	70.60	6.855
474	0	0	0	0	0	0	23.69	70.60	6.855
475	1	1	1	1	1	1	99.99	70.60	6.855
476	1	1	1	1	1	1	99.99	70.60	6.855
477	1	1	1	1	1	1	0.00	0.00	0.00
478	1	1	1	1	1	1	0.00	0.00	0.00
479	1	1	1	1	1	1	0.00	0.00	0.00
480	0	0	0	0	0	0	23.42	70.48	9.06
481	0	0	0	0	0	0	23.42	82.50	9.06
482	0	0	0	0	0	0	38.65	70.48	9.06
483	0	0	0	0	0	0	23.94	70.60	9.06
484	0	0	0	0	0	0	23.69	70.60	9.06
485	1	1	1	1	1	1	99.99	70.60	9.06
486	1	1	1	1	1	1	0.00	0.00	0.00
487	1	1	1	1	1	1	0.00	0.00	0.00
488	1	1	1	1	1	1	0.00	0.00	0.00
489	1	1	1	1	1	1	0.00	0.00	0.00
490	0	0	1	1	1	1	23.42	70.48	13.50
491	1	1	1	1	1	1	0.00	0.00	0.00
900	1	1	1	1	1	1	0.00	0.00	0.00
901	1	1	0	1	1	1	23.42	70.48	9.06
902	1	1	0	1	1	1	23.42	70.48	9.06
903	1	1	0	1	1	1	23.42	70.48	9.06
904	1	1	0	1	1	1	23.42	70.48	9.06
905	1	1	0	1	1	1	23.42	70.48	9.06
906	1	1	0	1	1	1	23.42	70.48	9.06
907	1	1	0	1	1	1	23.31	70.15	4.65
908	1	1	0	1	1	1	23.22	69.98	-2.00
909	1	1	1	1	1	1	0.00	0.00	0.00
1000	1	1	1	1	1	1	0.00	0.00	0.00
1001	0	0	0	0	0	0	8.35	82.50	4.50
1002	0	0	0	0	0	0	12.16	82.50	4.50
1003	0	0	0	0	0	0	15.94	82.50	4.50
1004	0	0	0	0	0	0	19.72	82.50	4.50
1005	0	0	0	0	0	0	23.50	82.50	4.50
1006	0	0	0	0	0	0	27.28	82.50	4.50
1007	0	0	0	0	0	0	31.06	82.50	4.50
1008	0	0	0	0	0	0	34.84	82.50	4.50
1009	0	0	0	0	0	0	38.65	82.50	4.50
1010	0	0	0	0	0	0	38.65	78.54	4.50
1011	0	0	0	0	0	0	38.65	74.57	4.50
1012	0	0	0	0	0	0	38.65	70.60	4.50
1013	0	0	0	0	0	0	38.65	66.63	4.50
1014	0	0	0	0	0	0	38.65	62.66	4.50
1015	0	0	0	0	0	0	38.65	58.70	4.50
1016	0	0	0	0	0	0	34.84	58.70	4.50

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## SER-ESB-024-3.txt

1017	0	0	0	0	0	0	31.06	58.70	4.50
1018	0	0	0	0	0	0	27.28	58.70	4.50
1019	0	0	0	0	0	0	23.50	58.70	4.50
1020	0	0	0	0	0	0	19.72	58.70	4.50
1021	0	0	0	0	0	0	15.94	58.70	4.50
1022	0	0	0	0	0	0	12.16	58.70	4.50
1023	0	0	0	0	0	0	8.35	58.70	4.50
1024	0	0	0	0	0	0	8.35	62.66	4.50
1025	0	0	0	0	0	0	8.35	66.63	4.50
1026	0	0	0	0	0	0	8.35	70.60	4.50
1027	0	0	0	0	0	0	8.35	74.57	4.50
1028	0	0	0	0	0	0	8.35	78.54	4.50
1029	0	0	0	0	0	0	8.35	82.50	3.40
1030	0	0	0	0	0	0	12.16	82.50	3.40
1031	0	0	0	0	0	0	15.94	82.50	3.40
1032	0	0	0	0	0	0	19.72	82.50	3.40
1033	0	0	0	0	0	0	23.50	82.50	3.40
1034	0	0	0	0	0	0	27.28	82.50	3.40
1035	0	0	0	0	0	0	31.06	82.50	3.40
1036	0	0	0	0	0	0	34.84	82.50	3.40
1037	0	0	0	0	0	0	38.65	82.50	3.40
1038	0	0	0	0	0	0	38.65	78.54	3.40
1039	0	0	0	0	0	0	38.65	74.57	3.40
1040	0	0	0	0	0	0	38.65	70.60	3.40
1041	0	0	0	0	0	0	38.65	66.63	3.40
1042	0	0	0	0	0	0	38.65	62.66	3.40
1043	0	0	0	0	0	0	38.65	58.70	3.40
1044	0	0	0	0	0	0	34.84	58.70	3.40
1045	0	0	0	0	0	0	31.06	58.70	3.40
1046	0	0	0	0	0	0	27.28	58.70	3.40
1047	0	0	0	0	0	0	23.50	58.70	3.40
1048	0	0	0	0	0	0	19.72	58.70	3.40
1049	0	0	0	0	0	0	15.94	58.70	3.40
1050	0	0	0	0	0	0	12.16	58.70	3.40
1051	0	0	0	0	0	0	8.35	58.70	3.40
1052	0	0	0	0	0	0	8.35	62.66	3.40
1053	0	0	0	0	0	0	8.35	66.63	3.40
1054	0	0	0	0	0	0	8.35	70.60	3.40
1055	0	0	0	0	0	0	8.35	74.57	3.40
1056	0	0	0	0	0	0	8.35	78.54	3.40
1057	0	0	0	0	0	0	8.35	82.50	2.30
1058	0	0	0	0	0	0	12.16	82.50	2.30
1059	0	0	0	0	0	0	15.94	82.50	2.30
1060	0	0	0	0	0	0	19.72	82.50	2.30
1061	0	0	0	0	0	0	23.50	82.50	2.30
1062	0	0	0	0	0	0	27.28	82.50	2.30
1063	0	0	0	0	0	0	31.06	82.50	2.30
1064	0	0	0	0	0	0	34.84	82.50	2.30
1065	0	0	0	0	0	0	38.65	82.50	2.30
1066	0	0	0	0	0	0	38.65	78.54	2.30
1067	0	0	0	0	0	0	38.65	74.57	2.30
1068	0	0	0	0	0	0	38.65	70.60	2.30
1069	0	0	0	0	0	0	38.65	66.63	2.30
1070	0	0	0	0	0	0	38.65	62.66	2.30
1071	0	0	0	0	0	0	38.65	58.70	2.30
1072	0	0	0	0	0	0	34.84	58.70	2.30
1073	0	0	0	0	0	0	31.06	58.70	2.30
1074	0	0	0	0	0	0	27.28	58.70	2.30
1075	0	0	0	0	0	0	23.50	58.70	2.30
1076	0	0	0	0	0	0	19.72	58.70	2.30
1077	0	0	0	0	0	0	15.94	58.70	2.30
1078	0	0	0	0	0	0	12.16	58.70	2.30
1079	0	0	0	0	0	0	8.35	58.70	2.30

## SER-ESB-024-3.txt

1080	0	0	0	0	0	0	8.35	62.66	2.30
1081	0	0	0	0	0	0	8.35	66.63	2.30
1082	0	0	0	0	0	0	8.35	70.60	2.30
1083	0	0	0	0	0	0	8.35	74.57	2.30
1084	0	0	0	0	0	0	8.35	78.54	2.30
1085	0	0	0	0	0	0	8.35	82.50	1.20
1086	0	0	0	0	0	0	12.16	82.50	1.20
1087	0	0	0	0	0	0	15.94	82.50	1.20
1088	0	0	0	0	0	0	19.72	82.50	1.20
1089	0	0	0	0	0	0	23.50	82.50	1.20
1090	0	0	0	0	0	0	27.28	82.50	1.20
1091	0	0	0	0	0	0	31.06	82.50	1.20
1092	0	0	0	0	0	0	34.84	82.50	1.20
1093	0	0	0	0	0	0	38.65	82.50	1.20
1094	0	0	0	0	0	0	38.65	78.54	1.20
1095	0	0	0	0	0	0	38.65	74.57	1.20
1096	0	0	0	0	0	0	38.65	70.60	1.20
1097	0	0	0	0	0	0	38.65	66.63	1.20
1098	0	0	0	0	0	0	38.65	62.66	1.20
1099	0	0	0	0	0	0	38.65	58.70	1.20
1100	0	0	0	0	0	0	34.84	58.70	1.20
1101	0	0	0	0	0	0	31.06	58.70	1.20
1102	0	0	0	0	0	0	27.28	58.70	1.20
1103	0	0	0	0	0	0	23.50	58.70	1.20
1104	0	0	0	0	0	0	19.72	58.70	1.20
1105	0	0	0	0	0	0	15.94	58.70	1.20
1106	0	0	0	0	0	0	12.16	58.70	1.20
1107	0	0	0	0	0	0	8.35	58.70	1.20
1108	0	0	0	0	0	0	8.35	62.66	1.20
1109	0	0	0	0	0	0	8.35	66.63	1.20
1110	0	0	0	0	0	0	8.35	70.60	1.20
1111	0	0	0	0	0	0	8.35	74.57	1.20
1112	0	0	0	0	0	0	8.35	78.54	1.20
1113	0	0	0	0	0	0	8.35	82.50	0.10
1114	0	0	0	0	0	0	12.16	82.50	0.10
1115	0	0	0	0	0	0	15.94	82.50	0.10
1116	0	0	0	0	0	0	19.72	82.50	0.10
1117	0	0	0	0	0	0	23.50	82.50	0.10
1118	0	0	0	0	0	0	27.28	82.50	0.10
1119	0	0	0	0	0	0	31.06	82.50	0.10
1120	0	0	0	0	0	0	34.84	82.50	0.10
1121	0	0	0	0	0	0	38.65	82.50	0.10
1122	0	0	0	0	0	0	38.65	78.54	0.10
1123	0	0	0	0	0	0	38.65	74.57	0.10
1124	0	0	0	0	0	0	38.65	70.60	0.10
1125	0	0	0	0	0	0	38.65	66.63	0.10
1126	0	0	0	0	0	0	38.65	62.66	0.10
1127	0	0	0	0	0	0	38.65	58.70	0.10
1128	0	0	0	0	0	0	34.84	58.70	0.10
1129	0	0	0	0	0	0	31.06	58.70	0.10
1130	0	0	0	0	0	0	27.28	58.70	0.10
1131	0	0	0	0	0	0	23.50	58.70	0.10
1132	0	0	0	0	0	0	19.72	58.70	0.10
1133	0	0	0	0	0	0	15.94	58.70	0.10
1134	0	0	0	0	0	0	12.16	58.70	0.10
1135	0	0	0	0	0	0	8.35	58.70	0.10
1136	0	0	0	0	0	0	8.35	62.66	0.10
1137	0	0	0	0	0	0	8.35	66.63	0.10
1138	0	0	0	0	0	0	8.35	70.60	0.10
1139	0	0	0	0	0	0	8.35	74.57	0.10
1140	0	0	0	0	0	0	8.35	78.54	0.10
1141	0	0	0	0	0	0	8.35	82.50	-1.00
1142	0	0	0	0	0	0	12.16	82.50	-1.00

## SER-ESB-024-3.txt

1143	0	0	0	0	0	0	15.94	82.50	-1.00
1144	0	0	0	0	0	0	19.72	82.50	-1.00
1145	0	0	0	0	0	0	23.50	82.50	-1.00
1146	0	0	0	0	0	0	27.28	82.50	-1.00
1147	0	0	0	0	0	0	31.06	82.50	-1.00
1148	0	0	0	0	0	0	34.84	82.50	-1.00
1149	0	0	0	0	0	0	38.65	82.50	-1.00
1150	0	0	0	0	0	0	38.65	78.54	-1.00
1151	0	0	0	0	0	0	38.65	74.57	-1.00
1152	0	0	0	0	0	0	38.65	70.60	-1.00
1153	0	0	0	0	0	0	38.65	66.63	-1.00
1154	0	0	0	0	0	0	38.65	62.66	-1.00
1155	0	0	0	0	0	0	38.65	58.70	-1.00
1156	0	0	0	0	0	0	34.84	58.70	-1.00
1157	0	0	0	0	0	0	31.06	58.70	-1.00
1158	0	0	0	0	0	0	27.28	58.70	-1.00
1159	0	0	0	0	0	0	23.50	58.70	-1.00
1160	0	0	0	0	0	0	19.72	58.70	-1.00
1161	0	0	0	0	0	0	15.94	58.70	-1.00
1162	0	0	0	0	0	0	12.16	58.70	-1.00
1163	0	0	0	0	0	0	8.35	58.70	-1.00
1164	0	0	0	0	0	0	8.35	62.66	-1.00
1165	0	0	0	0	0	0	8.35	66.63	-1.00
1166	0	0	0	0	0	0	8.35	70.60	-1.00
1167	0	0	0	0	0	0	8.35	74.57	-1.00
1168	0	0	0	0	0	0	8.35	78.54	-1.00
1169	0	0	0	0	0	0	8.35	82.50	-2.00
1170	0	0	0	0	0	0	12.16	82.50	-2.00
1171	0	0	0	0	0	0	15.94	82.50	-2.00
1172	0	0	0	0	0	0	19.72	82.50	-2.00
1173	0	0	0	0	0	0	23.50	82.50	-2.00
1174	0	0	0	0	0	0	27.28	82.50	-2.00
1175	0	0	0	0	0	0	31.06	82.50	-2.00
1176	0	0	0	0	0	0	34.84	82.50	-2.00
1177	0	0	0	0	0	0	38.65	82.50	-2.00
1178	0	0	0	0	0	0	38.65	78.54	-2.00
1179	0	0	0	0	0	0	38.65	74.57	-2.00
1180	0	0	0	0	0	0	38.65	70.60	-2.00
1181	0	0	0	0	0	0	38.65	66.63	-2.00
1182	0	0	0	0	0	0	38.65	62.66	-2.00
1183	0	0	0	0	0	0	38.65	58.70	-2.00
1184	0	0	0	0	0	0	34.84	58.70	-2.00
1185	0	0	0	0	0	0	31.06	58.70	-2.00
1186	0	0	0	0	0	0	27.28	58.70	-2.00
1187	0	0	0	0	0	0	23.50	58.70	-2.00
1188	0	0	0	0	0	0	19.72	58.70	-2.00
1189	0	0	0	0	0	0	15.94	58.70	-2.00
1190	0	0	0	0	0	0	12.16	58.70	-2.00
1191	0	0	0	0	0	0	8.35	58.70	-2.00
1192	0	0	0	0	0	0	8.35	62.66	-2.00
1193	0	0	0	0	0	0	8.35	66.63	-2.00
1194	0	0	0	0	0	0	8.35	70.60	-2.00
1195	0	0	0	0	0	0	8.35	74.57	-2.00
1196	0	0	0	0	0	0	8.35	78.54	-2.00
1197	0	0	0	0	0	0	8.35	82.50	-3.10
1198	0	0	0	0	0	0	12.16	82.50	-3.10
1199	0	0	0	0	0	0	15.94	82.50	-3.10
1200	0	0	0	0	0	0	19.72	82.50	-3.10
1201	0	0	0	0	0	0	23.50	82.50	-3.10
1202	0	0	0	0	0	0	27.28	82.50	-3.10
1203	0	0	0	0	0	0	31.06	82.50	-3.10
1204	0	0	0	0	0	0	34.84	82.50	-3.10
1205	0	0	0	0	0	0	38.65	82.50	-3.10

## SER-ESB-024-3.txt

1206	0	0	0	0	0	0	38.65	78.54	-3.10
1207	0	0	0	0	0	0	38.65	74.57	-3.10
1208	0	0	0	0	0	0	38.65	70.60	-3.10
1209	0	0	0	0	0	0	38.65	66.63	-3.10
1210	0	0	0	0	0	0	38.65	62.66	-3.10
1211	0	0	0	0	0	0	38.65	58.70	-3.10
1212	0	0	0	0	0	0	34.84	58.70	-3.10
1213	0	0	0	0	0	0	31.06	58.70	-3.10
1214	0	0	0	0	0	0	27.28	58.70	-3.10
1215	0	0	0	0	0	0	23.50	58.70	-3.10
1216	0	0	0	0	0	0	19.72	58.70	-3.10
1217	0	0	0	0	0	0	15.94	58.70	-3.10
1218	0	0	0	0	0	0	12.16	58.70	-3.10
1219	0	0	0	0	0	0	8.35	58.70	-3.10
1220	0	0	0	0	0	0	8.35	62.66	-3.10
1221	0	0	0	0	0	0	8.35	66.63	-3.10
1222	0	0	0	0	0	0	8.35	70.60	-3.10
1223	0	0	0	0	0	0	8.35	74.57	-3.10
1224	0	0	0	0	0	0	8.35	78.54	-3.10
1225	0	0	0	0	0	0	8.35	82.50	-4.20
1226	0	0	0	0	0	0	12.16	82.50	-4.20
1227	0	0	0	0	0	0	15.94	82.50	-4.20
1228	0	0	0	0	0	0	19.72	82.50	-4.20
1229	0	0	0	0	0	0	23.50	82.50	-4.20
1230	0	0	0	0	0	0	27.28	82.50	-4.20
1231	0	0	0	0	0	0	31.06	82.50	-4.20
1232	0	0	0	0	0	0	34.84	82.50	-4.20
1233	0	0	0	0	0	0	38.65	82.50	-4.20
1234	0	0	0	0	0	0	38.65	78.54	-4.20
1235	0	0	0	0	0	0	38.65	74.57	-4.20
1236	0	0	0	0	0	0	38.65	70.60	-4.20
1237	0	0	0	0	0	0	38.65	66.63	-4.20
1238	0	0	0	0	0	0	38.65	62.66	-4.20
1239	0	0	0	0	0	0	38.65	58.70	-4.20
1240	0	0	0	0	0	0	34.84	58.70	-4.20
1241	0	0	0	0	0	0	31.06	58.70	-4.20
1242	0	0	0	0	0	0	27.28	58.70	-4.20
1243	0	0	0	0	0	0	23.50	58.70	-4.20
1244	0	0	0	0	0	0	19.72	58.70	-4.20
1245	0	0	0	0	0	0	15.94	58.70	-4.20
1246	0	0	0	0	0	0	12.16	58.70	-4.20
1247	0	0	0	0	0	0	8.35	58.70	-4.20
1248	0	0	0	0	0	0	8.35	62.66	-4.20
1249	0	0	0	0	0	0	8.35	66.63	-4.20
1250	0	0	0	0	0	0	8.35	70.60	-4.20
1251	0	0	0	0	0	0	8.35	74.57	-4.20
1252	0	0	0	0	0	0	8.35	78.54	-4.20
1253	0	0	0	0	0	0	8.35	82.50	-5.30
1254	0	0	0	0	0	0	12.16	82.50	-5.30
1255	0	0	0	0	0	0	15.94	82.50	-5.30
1256	0	0	0	0	0	0	19.72	82.50	-5.30
1257	0	0	0	0	0	0	23.50	82.50	-5.30
1258	0	0	0	0	0	0	27.28	82.50	-5.30
1259	0	0	0	0	0	0	31.06	82.50	-5.30
1260	0	0	0	0	0	0	34.84	82.50	-5.30
1261	0	0	0	0	0	0	38.65	82.50	-5.30
1262	0	0	0	0	0	0	38.65	78.54	-5.30
1263	0	0	0	0	0	0	38.65	74.57	-5.30
1264	0	0	0	0	0	0	38.65	70.60	-5.30
1265	0	0	0	0	0	0	38.65	66.63	-5.30
1266	0	0	0	0	0	0	38.65	62.66	-5.30
1267	0	0	0	0	0	0	38.65	58.70	-5.30
1268	0	0	0	0	0	0	34.84	58.70	-5.30

## SER-ESB-024-3.txt

1269	0	0	0	0	0	0	31.06	58.70	-5.30
1270	0	0	0	0	0	0	27.28	58.70	-5.30
1271	0	0	0	0	0	0	23.50	58.70	-5.30
1272	0	0	0	0	0	0	19.72	58.70	-5.30
1273	0	0	0	0	0	0	15.94	58.70	-5.30
1274	0	0	0	0	0	0	12.16	58.70	-5.30
1275	0	0	0	0	0	0	8.35	58.70	-5.30
1276	0	0	0	0	0	0	8.35	62.66	-5.30
1277	0	0	0	0	0	0	8.35	66.63	-5.30
1278	0	0	0	0	0	0	8.35	70.60	-5.30
1279	0	0	0	0	0	0	8.35	74.57	-5.30
1280	0	0	0	0	0	0	8.35	78.54	-5.30
1281	0	0	0	0	0	0	8.35	82.50	-6.40
1282	0	0	0	0	0	0	12.16	82.50	-6.40
1283	0	0	0	0	0	0	15.94	82.50	-6.40
1284	0	0	0	0	0	0	19.72	82.50	-6.40
1285	0	0	0	0	0	0	23.50	82.50	-6.40
1286	0	0	0	0	0	0	27.28	82.50	-6.40
1287	0	0	0	0	0	0	31.06	82.50	-6.40
1288	0	0	0	0	0	0	34.84	82.50	-6.40
1289	0	0	0	0	0	0	38.65	82.50	-6.40
1290	0	0	0	0	0	0	38.65	78.54	-6.40
1291	0	0	0	0	0	0	38.65	74.57	-6.40
1292	0	0	0	0	0	0	38.65	70.60	-6.40
1293	0	0	0	0	0	0	38.65	66.63	-6.40
1294	0	0	0	0	0	0	38.65	62.66	-6.40
1295	0	0	0	0	0	0	38.65	58.70	-6.40
1296	0	0	0	0	0	0	34.84	58.70	-6.40
1297	0	0	0	0	0	0	31.06	58.70	-6.40
1298	0	0	0	0	0	0	27.28	58.70	-6.40
1299	0	0	0	0	0	0	23.50	58.70	-6.40
1300	0	0	0	0	0	0	19.72	58.70	-6.40
1301	0	0	0	0	0	0	15.94	58.70	-6.40
1302	0	0	0	0	0	0	12.16	58.70	-6.40
1303	0	0	0	0	0	0	8.35	58.70	-6.40
1304	0	0	0	0	0	0	8.35	62.66	-6.40
1305	0	0	0	0	0	0	8.35	66.63	-6.40
1306	0	0	0	0	0	0	8.35	70.60	-6.40
1307	0	0	0	0	0	0	8.35	74.57	-6.40
1308	0	0	0	0	0	0	8.35	78.54	-6.40
1309	0	0	0	0	0	0	8.35	82.50	-7.40
1310	0	0	0	0	0	0	12.16	82.50	-7.40
1311	0	0	0	0	0	0	15.94	82.50	-7.40
1312	0	0	0	0	0	0	19.72	82.50	-7.40
1313	0	0	0	0	0	0	23.50	82.50	-7.40
1314	0	0	0	0	0	0	27.28	82.50	-7.40
1315	0	0	0	0	0	0	31.06	82.50	-7.40
1316	0	0	0	0	0	0	34.84	82.50	-7.40
1317	0	0	0	0	0	0	38.65	82.50	-7.40
1318	0	0	0	0	0	0	38.65	78.54	-7.40
1319	0	0	0	0	0	0	38.65	74.57	-7.40
1320	0	0	0	0	0	0	38.65	70.60	-7.40
1321	0	0	0	0	0	0	38.65	66.63	-7.40
1322	0	0	0	0	0	0	38.65	62.66	-7.40
1323	0	0	0	0	0	0	38.65	58.70	-7.40
1324	0	0	0	0	0	0	34.84	58.70	-7.40
1325	0	0	0	0	0	0	31.06	58.70	-7.40
1326	0	0	0	0	0	0	27.28	58.70	-7.40
1327	0	0	0	0	0	0	23.50	58.70	-7.40
1328	0	0	0	0	0	0	19.72	58.70	-7.40
1329	0	0	0	0	0	0	15.94	58.70	-7.40
1330	0	0	0	0	0	0	12.16	58.70	-7.40
1331	0	0	0	0	0	0	8.35	58.70	-7.40



## SER-ESB-024-3.txt

1332	0	0	0	0	0	0	8.35	62.66	-7.40
1333	0	0	0	0	0	0	8.35	66.63	-7.40
1334	0	0	0	0	0	0	8.35	70.60	-7.40
1335	0	0	0	0	0	0	8.35	74.57	-7.40
1336	0	0	0	0	0	0	8.35	78.54	-7.40
1337	0	0	0	0	0	0	8.35	82.50	-8.40
1338	0	0	0	0	0	0	12.16	82.50	-8.40
1339	0	0	0	0	0	0	15.94	82.50	-8.40
1340	0	0	0	0	0	0	19.72	82.50	-8.40
1341	0	0	0	0	0	0	23.50	82.50	-8.40
1342	0	0	0	0	0	0	27.28	82.50	-8.40
1343	0	0	0	0	0	0	31.06	82.50	-8.40
1344	0	0	0	0	0	0	34.84	82.50	-8.40
1345	0	0	0	0	0	0	38.65	82.50	-8.40
1346	0	0	0	0	0	0	38.65	78.54	-8.40
1347	0	0	0	0	0	0	38.65	74.57	-8.40
1348	0	0	0	0	0	0	38.65	70.60	-8.40
1349	0	0	0	0	0	0	38.65	66.63	-8.40
1350	0	0	0	0	0	0	38.65	62.66	-8.40
1351	0	0	0	0	0	0	38.65	58.70	-8.40
1352	0	0	0	0	0	0	34.84	58.70	-8.40
1353	0	0	0	0	0	0	31.06	58.70	-8.40
1354	0	0	0	0	0	0	27.28	58.70	-8.40
1355	0	0	0	0	0	0	23.50	58.70	-8.40
1356	0	0	0	0	0	0	19.72	58.70	-8.40
1357	0	0	0	0	0	0	15.94	58.70	-8.40
1358	0	0	0	0	0	0	12.16	58.70	-8.40
1359	0	0	0	0	0	0	8.35	58.70	-8.40
1360	0	0	0	0	0	0	8.35	62.66	-8.40
1361	0	0	0	0	0	0	8.35	66.63	-8.40
1362	0	0	0	0	0	0	8.35	70.60	-8.40
1363	0	0	0	0	0	0	8.35	74.57	-8.40
1364	0	0	0	0	0	0	8.35	78.54	-8.40
1365	0	0	0	0	0	0	8.35	82.50	-9.40
1366	0	0	0	0	0	0	12.16	82.50	-9.40
1367	0	0	0	0	0	0	15.94	82.50	-9.40
1368	0	0	0	0	0	0	19.72	82.50	-9.40
1369	0	0	0	0	0	0	23.50	82.50	-9.40
1370	0	0	0	0	0	0	27.28	82.50	-9.40
1371	0	0	0	0	0	0	31.06	82.50	-9.40
1372	0	0	0	0	0	0	34.84	82.50	-9.40
1373	0	0	0	0	0	0	38.65	82.50	-9.40
1374	0	0	0	0	0	0	38.65	78.54	-9.40
1375	0	0	0	0	0	0	38.65	74.57	-9.40
1376	0	0	0	0	0	0	38.65	70.60	-9.40
1377	0	0	0	0	0	0	38.65	66.63	-9.40
1378	0	0	0	0	0	0	38.65	62.66	-9.40
1379	0	0	0	0	0	0	38.65	58.70	-9.40
1380	0	0	0	0	0	0	34.84	58.70	-9.40
1381	0	0	0	0	0	0	31.06	58.70	-9.40
1382	0	0	0	0	0	0	27.28	58.70	-9.40
1383	0	0	0	0	0	0	23.50	58.70	-9.40
1384	0	0	0	0	0	0	19.72	58.70	-9.40
1385	0	0	0	0	0	0	15.94	58.70	-9.40
1386	0	0	0	0	0	0	12.16	58.70	-9.40
1387	0	0	0	0	0	0	8.35	58.70	-9.40
1388	0	0	0	0	0	0	8.35	62.66	-9.40
1389	0	0	0	0	0	0	8.35	66.63	-9.40
1390	0	0	0	0	0	0	8.35	70.60	-9.40
1391	0	0	0	0	0	0	8.35	74.57	-9.40
1392	0	0	0	0	0	0	8.35	78.54	-9.40
1393	0	0	0	0	0	0	8.35	82.50	-10.40
1394	0	0	0	0	0	0	12.16	82.50	-10.40

## SER-ESB-024-3.txt

1395	0	0	0	0	0	0	15.94	82.50	-10.40
1396	0	0	0	0	0	0	19.72	82.50	-10.40
1397	0	0	0	0	0	0	23.50	82.50	-10.40
1398	0	0	0	0	0	0	27.28	82.50	-10.40
1399	0	0	0	0	0	0	31.06	82.50	-10.40
1400	0	0	0	0	0	0	34.84	82.50	-10.40
1401	0	0	0	0	0	0	38.65	82.50	-10.40
1402	0	0	0	0	0	0	38.65	78.54	-10.40
1403	0	0	0	0	0	0	38.65	74.57	-10.40
1404	0	0	0	0	0	0	38.65	70.60	-10.40
1405	0	0	0	0	0	0	38.65	66.63	-10.40
1406	0	0	0	0	0	0	38.65	62.66	-10.40
1407	0	0	0	0	0	0	38.65	58.70	-10.40
1408	0	0	0	0	0	0	34.84	58.70	-10.40
1409	0	0	0	0	0	0	31.06	58.70	-10.40
1410	0	0	0	0	0	0	27.28	58.70	-10.40
1411	0	0	0	0	0	0	23.50	58.70	-10.40
1412	0	0	0	0	0	0	19.72	58.70	-10.40
1413	0	0	0	0	0	0	15.94	58.70	-10.40
1414	0	0	0	0	0	0	12.16	58.70	-10.40
1415	0	0	0	0	0	0	8.35	58.70	-10.40
1416	0	0	0	0	0	0	8.35	62.66	-10.40
1417	0	0	0	0	0	0	8.35	66.63	-10.40
1418	0	0	0	0	0	0	8.35	70.60	-10.40
1419	0	0	0	0	0	0	8.35	74.57	-10.40
1420	0	0	0	0	0	0	8.35	78.54	-10.40
1421	0	0	0	0	0	0	12.16	78.54	-10.40
1422	0	0	0	0	0	0	15.94	78.54	-10.40
1423	0	0	0	0	0	0	19.72	78.54	-10.40
1424	0	0	0	0	0	0	23.50	78.54	-10.40
1425	0	0	0	0	0	0	27.28	78.54	-10.40
1426	0	0	0	0	0	0	31.06	78.54	-10.40
1427	0	0	0	0	0	0	34.84	78.54	-10.40
1428	0	0	0	0	0	0	12.16	74.57	-10.40
1429	0	0	0	0	0	0	15.94	74.57	-10.40
1430	0	0	0	0	0	0	19.72	74.57	-10.40
1431	0	0	0	0	0	0	23.50	74.57	-10.40
1432	0	0	0	0	0	0	27.28	74.57	-10.40
1433	0	0	0	0	0	0	31.06	74.57	-10.40
1434	0	0	0	0	0	0	34.84	74.57	-10.40
1435	0	0	0	0	0	0	12.16	70.60	-10.40
1436	0	0	0	0	0	0	15.94	70.60	-10.40
1437	0	0	0	0	0	0	19.72	70.60	-10.40
1438	0	0	0	0	0	0	23.50	70.60	-10.40
1439	0	0	0	0	0	0	27.28	70.60	-10.40
1440	0	0	0	0	0	0	31.06	70.60	-10.40
1441	0	0	0	0	0	0	34.84	70.60	-10.40
1442	0	0	0	0	0	0	12.16	66.63	-10.40
1443	0	0	0	0	0	0	15.94	66.63	-10.40
1444	0	0	0	0	0	0	19.72	66.63	-10.40
1445	0	0	0	0	0	0	23.50	66.63	-10.40
1446	0	0	0	0	0	0	27.28	66.63	-10.40
1447	0	0	0	0	0	0	31.06	66.63	-10.40
1448	0	0	0	0	0	0	34.84	66.63	-10.40
1449	0	0	0	0	0	0	12.16	62.66	-10.40
1450	0	0	0	0	0	0	15.94	62.66	-10.40
1451	0	0	0	0	0	0	19.72	62.66	-10.40
1452	0	0	0	0	0	0	23.50	62.66	-10.40
1453	0	0	0	0	0	0	27.28	62.66	-10.40
1454	0	0	0	0	0	0	31.06	62.66	-10.40
1455	0	0	0	0	0	0	34.84	62.66	-10.40
1456	1	1	1	1	1	1	0.00	0.00	0.00
3000	1	1	1	1	1	1	0.00	0.00	0.00

## SER-ESB-024-3.txt

3001	0	0	0	1	1	1	8.35	82.50	4.50
3002	0	0	0	1	1	1	12.16	82.50	4.50
3003	0	0	0	1	1	1	15.94	82.50	4.50
3004	0	0	0	1	1	1	19.72	82.50	4.50
3005	0	0	0	1	1	1	23.50	82.50	4.50
3006	0	0	0	1	1	1	27.28	82.50	4.50
3007	0	0	0	1	1	1	31.06	82.50	4.50
3008	0	0	0	1	1	1	34.84	82.50	4.50
3009	0	0	0	1	1	1	38.65	82.50	4.50
3010	0	0	0	1	1	1	8.35	78.54	4.50
3011	0	0	0	1	1	1	12.16	78.54	4.50
3012	0	0	0	1	1	1	15.94	78.54	4.50
3013	0	0	0	1	1	1	19.72	78.54	4.50
3014	0	0	0	1	1	1	23.50	78.54	4.50
3015	0	0	0	1	1	1	27.28	78.54	4.50
3016	0	0	0	1	1	1	31.06	78.54	4.50
3017	0	0	0	1	1	1	34.84	78.54	4.50
3018	0	0	0	1	1	1	38.65	78.54	4.50
3019	0	0	0	1	1	1	8.35	74.57	4.50
3020	0	0	0	1	1	1	12.16	74.57	4.50
3021	0	0	0	1	1	1	15.94	74.57	4.50
3022	0	0	0	1	1	1	19.72	74.57	4.50
3023	0	0	0	1	1	1	23.50	74.57	4.50
3024	0	0	0	1	1	1	27.28	74.57	4.50
3025	0	0	0	1	1	1	31.06	74.57	4.50
3026	0	0	0	1	1	1	34.84	74.57	4.50
3027	0	0	0	1	1	1	38.65	74.57	4.50
3028	0	0	0	1	1	1	8.35	70.60	4.50
3029	0	0	0	1	1	1	12.16	70.60	4.50
3030	0	0	0	1	1	1	15.94	70.60	4.50
3031	0	0	0	1	1	1	19.72	70.60	4.50
3032	0	0	0	1	1	1	23.50	70.60	4.50
3033	0	0	0	1	1	1	27.28	70.60	4.50
3034	0	0	0	1	1	1	31.06	70.60	4.50
3035	0	0	0	1	1	1	34.84	70.60	4.50
3036	0	0	0	1	1	1	38.65	70.60	4.50
3037	0	0	0	1	1	1	8.35	66.63	4.50
3038	0	0	0	1	1	1	12.16	66.63	4.50
3039	0	0	0	1	1	1	15.94	66.63	4.50
3040	0	0	0	1	1	1	19.72	66.63	4.50
3041	0	0	0	1	1	1	23.50	66.63	4.50
3042	0	0	0	1	1	1	27.28	66.63	4.50
3043	0	0	0	1	1	1	31.06	66.63	4.50
3044	0	0	0	1	1	1	34.84	66.63	4.50
3045	0	0	0	1	1	1	38.65	66.63	4.50
3046	0	0	0	1	1	1	8.35	62.66	4.50
3047	0	0	0	1	1	1	12.16	62.66	4.50
3048	0	0	0	1	1	1	15.94	62.66	4.50
3049	0	0	0	1	1	1	19.72	62.66	4.50
3050	0	0	0	1	1	1	23.50	62.66	4.50
3051	0	0	0	1	1	1	27.28	62.66	4.50
3052	0	0	0	1	1	1	31.06	62.66	4.50
3053	0	0	0	1	1	1	34.84	62.66	4.50
3054	0	0	0	1	1	1	38.65	62.66	4.50
3055	0	0	0	1	1	1	8.35	58.70	4.50
3056	0	0	0	1	1	1	12.16	58.70	4.50
3057	0	0	0	1	1	1	15.94	58.70	4.50
3058	0	0	0	1	1	1	19.72	58.70	4.50
3059	0	0	0	1	1	1	23.50	58.70	4.50
3060	0	0	0	1	1	1	27.28	58.70	4.50
3061	0	0	0	1	1	1	31.06	58.70	4.50
3062	0	0	0	1	1	1	34.84	58.70	4.50
3063	0	0	0	1	1	1	38.65	58.70	4.50

## SER-ESB-024-3.txt

3064	1	1	1	1	1	1	0.00	0.00	0.00
3200	1	1	1	1	1	1	0.00	0.00	0.00
3201	0	0	0	1	1	1	8.35	82.50	3.40
3202	0	0	0	1	1	1	12.16	82.50	3.40
3203	0	0	0	1	1	1	15.94	82.50	3.40
3204	0	0	0	1	1	1	19.72	82.50	3.40
3205	0	0	0	1	1	1	23.50	82.50	3.40
3206	0	0	0	1	1	1	27.28	82.50	3.40
3207	0	0	0	1	1	1	31.06	82.50	3.40
3208	0	0	0	1	1	1	34.84	82.50	3.40
3209	0	0	0	1	1	1	38.65	82.50	3.40
3210	0	0	0	1	1	1	8.35	78.54	3.40
3211	0	0	0	1	1	1	12.16	78.54	3.40
3212	0	0	0	1	1	1	15.94	78.54	3.40
3213	0	0	0	1	1	1	19.72	78.54	3.40
3214	0	0	0	1	1	1	23.50	78.54	3.40
3215	0	0	0	1	1	1	27.28	78.54	3.40
3216	0	0	0	1	1	1	31.06	78.54	3.40
3217	0	0	0	1	1	1	34.84	78.54	3.40
3218	0	0	0	1	1	1	38.65	78.54	3.40
3219	0	0	0	1	1	1	8.35	74.57	3.40
3220	0	0	0	1	1	1	12.16	74.57	3.40
3221	0	0	0	1	1	1	15.94	74.57	3.40
3222	0	0	0	1	1	1	19.72	74.57	3.40
3223	0	0	0	1	1	1	23.50	74.57	3.40
3224	0	0	0	1	1	1	27.28	74.57	3.40
3225	0	0	0	1	1	1	31.06	74.57	3.40
3226	0	0	0	1	1	1	34.84	74.57	3.40
3227	0	0	0	1	1	1	38.65	74.57	3.40
3228	0	0	0	1	1	1	8.35	70.60	3.40
3229	0	0	0	1	1	1	12.16	70.60	3.40
3230	0	0	0	1	1	1	15.94	70.60	3.40
3231	0	0	0	1	1	1	19.72	70.60	3.40
3232	0	0	0	1	1	1	23.50	70.60	3.40
3233	0	0	0	1	1	1	27.28	70.60	3.40
3234	0	0	0	1	1	1	31.06	70.60	3.40
3235	0	0	0	1	1	1	34.84	70.60	3.40
3236	0	0	0	1	1	1	38.65	70.60	3.40
3237	0	0	0	1	1	1	8.35	66.63	3.40
3238	0	0	0	1	1	1	12.16	66.63	3.40
3239	0	0	0	1	1	1	15.94	66.63	3.40
3240	0	0	0	1	1	1	19.72	66.63	3.40
3241	0	0	0	1	1	1	23.50	66.63	3.40
3242	0	0	0	1	1	1	27.28	66.63	3.40
3243	0	0	0	1	1	1	31.06	66.63	3.40
3244	0	0	0	1	1	1	34.84	66.63	3.40
3245	0	0	0	1	1	1	38.65	66.63	3.40
3246	0	0	0	1	1	1	8.35	62.66	3.40
3247	0	0	0	1	1	1	12.16	62.66	3.40
3248	0	0	0	1	1	1	15.94	62.66	3.40
3249	0	0	0	1	1	1	19.72	62.66	3.40
3250	0	0	0	1	1	1	23.50	62.66	3.40
3251	0	0	0	1	1	1	27.28	62.66	3.40
3252	0	0	0	1	1	1	31.06	62.66	3.40
3253	0	0	0	1	1	1	34.84	62.66	3.40
3254	0	0	0	1	1	1	38.65	62.66	3.40
3255	0	0	0	1	1	1	8.35	58.70	3.40
3256	0	0	0	1	1	1	12.16	58.70	3.40
3257	0	0	0	1	1	1	15.94	58.70	3.40
3258	0	0	0	1	1	1	19.72	58.70	3.40
3259	0	0	0	1	1	1	23.50	58.70	3.40
3260	0	0	0	1	1	1	27.28	58.70	3.40
3261	0	0	0	1	1	1	31.06	58.70	3.40

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3262	0	0	0	1	1	1	34.84	58.70	3.40
3263	0	0	0	1	1	1	38.65	58.70	3.40
3264	1	1	1	1	1	1	0.00	0.00	0.00
3400	1	1	1	1	1	1	0.00	0.00	0.00
3401	0	0	0	1	1	1	8.35	82.50	2.30
3402	0	0	0	1	1	1	12.16	82.50	2.30
3403	0	0	0	1	1	1	15.94	82.50	2.30
3404	0	0	0	1	1	1	19.72	82.50	2.30
3405	0	0	0	1	1	1	23.50	82.50	2.30
3406	0	0	0	1	1	1	27.28	82.50	2.30
3407	0	0	0	1	1	1	31.06	82.50	2.30
3408	0	0	0	1	1	1	34.84	82.50	2.30
3409	0	0	0	1	1	1	38.65	82.50	2.30
3410	0	0	0	1	1	1	8.35	78.54	2.30
3411	0	0	0	1	1	1	12.16	78.54	2.30
3412	0	0	0	1	1	1	15.94	78.54	2.30
3413	0	0	0	1	1	1	19.72	78.54	2.30
3414	0	0	0	1	1	1	23.50	78.54	2.30
3415	0	0	0	1	1	1	27.28	78.54	2.30
3416	0	0	0	1	1	1	31.06	78.54	2.30
3417	0	0	0	1	1	1	34.84	78.54	2.30
3418	0	0	0	1	1	1	38.65	78.54	2.30
3419	0	0	0	1	1	1	8.35	74.57	2.30
3420	0	0	0	1	1	1	12.16	74.57	2.30
3421	0	0	0	1	1	1	15.94	74.57	2.30
3422	0	0	0	1	1	1	19.72	74.57	2.30
3423	0	0	0	1	1	1	23.50	74.57	2.30
3424	0	0	0	1	1	1	27.28	74.57	2.30
3425	0	0	0	1	1	1	31.06	74.57	2.30
3426	0	0	0	1	1	1	34.84	74.57	2.30
3427	0	0	0	1	1	1	38.65	74.57	2.30
3428	0	0	0	1	1	1	8.35	70.60	2.30
3429	0	0	0	1	1	1	12.16	70.60	2.30
3430	0	0	0	1	1	1	15.94	70.60	2.30
3431	0	0	0	1	1	1	19.72	70.60	2.30
3432	0	0	0	1	1	1	23.50	70.60	2.30
3433	0	0	0	1	1	1	27.28	70.60	2.30
3434	0	0	0	1	1	1	31.06	70.60	2.30
3435	0	0	0	1	1	1	34.84	70.60	2.30
3436	0	0	0	1	1	1	38.65	70.60	2.30
3437	0	0	0	1	1	1	8.35	66.63	2.30
3438	0	0	0	1	1	1	12.16	66.63	2.30
3439	0	0	0	1	1	1	15.94	66.63	2.30
3440	0	0	0	1	1	1	19.72	66.63	2.30
3441	0	0	0	1	1	1	23.50	66.63	2.30
3442	0	0	0	1	1	1	27.28	66.63	2.30
3443	0	0	0	1	1	1	31.06	66.63	2.30
3444	0	0	0	1	1	1	34.84	66.63	2.30
3445	0	0	0	1	1	1	38.65	66.63	2.30
3446	0	0	0	1	1	1	8.35	62.66	2.30
3447	0	0	0	1	1	1	12.16	62.66	2.30
3448	0	0	0	1	1	1	15.94	62.66	2.30
3449	0	0	0	1	1	1	19.72	62.66	2.30
3450	0	0	0	1	1	1	23.50	62.66	2.30
3451	0	0	0	1	1	1	27.28	62.66	2.30
3452	0	0	0	1	1	1	31.06	62.66	2.30
3453	0	0	0	1	1	1	34.84	62.66	2.30
3454	0	0	0	1	1	1	38.65	62.66	2.30
3455	0	0	0	1	1	1	8.35	58.70	2.30
3456	0	0	0	1	1	1	12.16	58.70	2.30
3457	0	0	0	1	1	1	15.94	58.70	2.30
3458	0	0	0	1	1	1	19.72	58.70	2.30
3459	0	0	0	1	1	1	23.50	58.70	2.30

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3460	0	0	0	1	1	1	27.28	58.70	2.30
3461	0	0	0	1	1	1	31.06	58.70	2.30
3462	0	0	0	1	1	1	34.84	58.70	2.30
3463	0	0	0	1	1	1	38.65	58.70	2.30
3464	1	1	1	1	1	1	0.00	0.00	0.00
3600	1	1	1	1	1	1	0.00	0.00	0.00
3601	0	0	0	1	1	1	8.35	82.50	1.20
3602	0	0	0	1	1	1	12.16	82.50	1.20
3603	0	0	0	1	1	1	15.94	82.50	1.20
3604	0	0	0	1	1	1	19.72	82.50	1.20
3605	0	0	0	1	1	1	23.50	82.50	1.20
3606	0	0	0	1	1	1	27.28	82.50	1.20
3607	0	0	0	1	1	1	31.06	82.50	1.20
3608	0	0	0	1	1	1	34.84	82.50	1.20
3609	0	0	0	1	1	1	38.65	82.50	1.20
3610	0	0	0	1	1	1	8.35	78.54	1.20
3611	0	0	0	1	1	1	12.16	78.54	1.20
3612	0	0	0	1	1	1	15.94	78.54	1.20
3613	0	0	0	1	1	1	19.72	78.54	1.20
3614	0	0	0	1	1	1	23.50	78.54	1.20
3615	0	0	0	1	1	1	27.28	78.54	1.20
3616	0	0	0	1	1	1	31.06	78.54	1.20
3617	0	0	0	1	1	1	34.84	78.54	1.20
3618	0	0	0	1	1	1	38.65	78.54	1.20
3619	0	0	0	1	1	1	8.35	74.57	1.20
3620	0	0	0	1	1	1	12.16	74.57	1.20
3621	0	0	0	1	1	1	15.94	74.57	1.20
3622	0	0	0	1	1	1	19.72	74.57	1.20
3623	0	0	0	1	1	1	23.50	74.57	1.20
3624	0	0	0	1	1	1	27.28	74.57	1.20
3625	0	0	0	1	1	1	31.06	74.57	1.20
3626	0	0	0	1	1	1	34.84	74.57	1.20
3627	0	0	0	1	1	1	38.65	74.57	1.20
3628	0	0	0	1	1	1	8.35	70.60	1.20
3629	0	0	0	1	1	1	12.16	70.60	1.20
3630	0	0	0	1	1	1	15.94	70.60	1.20
3631	0	0	0	1	1	1	19.72	70.60	1.20
3632	0	0	0	1	1	1	23.50	70.60	1.20
3633	0	0	0	1	1	1	27.28	70.60	1.20
3634	0	0	0	1	1	1	31.06	70.60	1.20
3635	0	0	0	1	1	1	34.84	70.60	1.20
3636	0	0	0	1	1	1	38.65	70.60	1.20
3637	0	0	0	1	1	1	8.35	66.63	1.20
3638	0	0	0	1	1	1	12.16	66.63	1.20
3639	0	0	0	1	1	1	15.94	66.63	1.20
3640	0	0	0	1	1	1	19.72	66.63	1.20
3641	0	0	0	1	1	1	23.50	66.63	1.20
3642	0	0	0	1	1	1	27.28	66.63	1.20
3643	0	0	0	1	1	1	31.06	66.63	1.20
3644	0	0	0	1	1	1	34.84	66.63	1.20
3645	0	0	0	1	1	1	38.65	66.63	1.20
3646	0	0	0	1	1	1	8.35	62.66	1.20
3647	0	0	0	1	1	1	12.16	62.66	1.20
3648	0	0	0	1	1	1	15.94	62.66	1.20
3649	0	0	0	1	1	1	19.72	62.66	1.20
3650	0	0	0	1	1	1	23.50	62.66	1.20
3651	0	0	0	1	1	1	27.28	62.66	1.20
3652	0	0	0	1	1	1	31.06	62.66	1.20
3653	0	0	0	1	1	1	34.84	62.66	1.20
3654	0	0	0	1	1	1	38.65	62.66	1.20
3655	0	0	0	1	1	1	8.35	58.70	1.20
3656	0	0	0	1	1	1	12.16	58.70	1.20
3657	0	0	0	1	1	1	15.94	58.70	1.20

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3658	0	0	0	1	1	1	19.72	58.70	1.20
3659	0	0	0	1	1	1	23.50	58.70	1.20
3660	0	0	0	1	1	1	27.28	58.70	1.20
3661	0	0	0	1	1	1	31.06	58.70	1.20
3662	0	0	0	1	1	1	34.84	58.70	1.20
3663	0	0	0	1	1	1	38.65	58.70	1.20
3664	1	1	1	1	1	1	0.00	0.00	0.00
3800	1	1	1	1	1	1	0.00	0.00	0.00
3801	0	0	0	1	1	1	8.35	82.50	0.10
3802	0	0	0	1	1	1	12.16	82.50	0.10
3803	0	0	0	1	1	1	15.94	82.50	0.10
3804	0	0	0	1	1	1	19.72	82.50	0.10
3805	0	0	0	1	1	1	23.50	82.50	0.10
3806	0	0	0	1	1	1	27.28	82.50	0.10
3807	0	0	0	1	1	1	31.06	82.50	0.10
3808	0	0	0	1	1	1	34.84	82.50	0.10
3809	0	0	0	1	1	1	38.65	82.50	0.10
3810	0	0	0	1	1	1	8.35	78.54	0.10
3811	0	0	0	1	1	1	12.16	78.54	0.10
3812	0	0	0	1	1	1	15.94	78.54	0.10
3813	0	0	0	1	1	1	19.72	78.54	0.10
3814	0	0	0	1	1	1	23.50	78.54	0.10
3815	0	0	0	1	1	1	27.28	78.54	0.10
3816	0	0	0	1	1	1	31.06	78.54	0.10
3817	0	0	0	1	1	1	34.84	78.54	0.10
3818	0	0	0	1	1	1	38.65	78.54	0.10
3819	0	0	0	1	1	1	8.35	74.57	0.10
3820	0	0	0	1	1	1	12.16	74.57	0.10
3821	0	0	0	1	1	1	15.94	74.57	0.10
3822	0	0	0	1	1	1	19.72	74.57	0.10
3823	0	0	0	1	1	1	23.50	74.57	0.10
3824	0	0	0	1	1	1	27.28	74.57	0.10
3825	0	0	0	1	1	1	31.06	74.57	0.10
3826	0	0	0	1	1	1	34.84	74.57	0.10
3827	0	0	0	1	1	1	38.65	74.57	0.10
3828	0	0	0	1	1	1	8.35	70.60	0.10
3829	0	0	0	1	1	1	12.16	70.60	0.10
3830	0	0	0	1	1	1	15.94	70.60	0.10
3831	0	0	0	1	1	1	19.72	70.60	0.10
3832	0	0	0	1	1	1	23.50	70.60	0.10
3833	0	0	0	1	1	1	27.28	70.60	0.10
3834	0	0	0	1	1	1	31.06	70.60	0.10
3835	0	0	0	1	1	1	34.84	70.60	0.10
3836	0	0	0	1	1	1	38.65	70.60	0.10
3837	0	0	0	1	1	1	8.35	66.63	0.10
3838	0	0	0	1	1	1	12.16	66.63	0.10
3839	0	0	0	1	1	1	15.94	66.63	0.10
3840	0	0	0	1	1	1	19.72	66.63	0.10
3841	0	0	0	1	1	1	23.50	66.63	0.10
3842	0	0	0	1	1	1	27.28	66.63	0.10
3843	0	0	0	1	1	1	31.06	66.63	0.10
3844	0	0	0	1	1	1	34.84	66.63	0.10
3845	0	0	0	1	1	1	38.65	66.63	0.10
3846	0	0	0	1	1	1	8.35	62.66	0.10
3847	0	0	0	1	1	1	12.16	62.66	0.10
3848	0	0	0	1	1	1	15.94	62.66	0.10
3849	0	0	0	1	1	1	19.72	62.66	0.10
3850	0	0	0	1	1	1	23.50	62.66	0.10
3851	0	0	0	1	1	1	27.28	62.66	0.10
3852	0	0	0	1	1	1	31.06	62.66	0.10
3853	0	0	0	1	1	1	34.84	62.66	0.10
3854	0	0	0	1	1	1	38.65	62.66	0.10
3855	0	0	0	1	1	1	8.35	58.70	0.10

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3856	0	0	0	1	1	1	12.16	58.70	0.10
3857	0	0	0	1	1	1	15.94	58.70	0.10
3858	0	0	0	1	1	1	19.72	58.70	0.10
3859	0	0	0	1	1	1	23.50	58.70	0.10
3860	0	0	0	1	1	1	27.28	58.70	0.10
3861	0	0	0	1	1	1	31.06	58.70	0.10
3862	0	0	0	1	1	1	34.84	58.70	0.10
3863	0	0	0	1	1	1	38.65	58.70	0.10
3864	1	1	1	1	1	1	0.00	0.00	0.00
4000	1	1	1	1	1	1	0.00	0.00	0.00
4001	0	0	0	1	1	1	8.35	82.50	-1.00
4002	0	0	0	1	1	1	12.16	82.50	-1.00
4003	0	0	0	1	1	1	15.94	82.50	-1.00
4004	0	0	0	1	1	1	19.72	82.50	-1.00
4005	0	0	0	1	1	1	23.50	82.50	-1.00
4006	0	0	0	1	1	1	27.28	82.50	-1.00
4007	0	0	0	1	1	1	31.06	82.50	-1.00
4008	0	0	0	1	1	1	34.84	82.50	-1.00
4009	0	0	0	1	1	1	38.65	82.50	-1.00
4010	0	0	0	1	1	1	8.35	78.54	-1.00
4011	0	0	0	1	1	1	12.16	78.54	-1.00
4012	0	0	0	1	1	1	15.94	78.54	-1.00
4013	0	0	0	1	1	1	19.72	78.54	-1.00
4014	0	0	0	1	1	1	23.50	78.54	-1.00
4015	0	0	0	1	1	1	27.28	78.54	-1.00
4016	0	0	0	1	1	1	31.06	78.54	-1.00
4017	0	0	0	1	1	1	34.84	78.54	-1.00
4018	0	0	0	1	1	1	38.65	78.54	-1.00
4019	0	0	0	1	1	1	8.35	74.57	-1.00
4020	0	0	0	1	1	1	12.16	74.57	-1.00
4021	0	0	0	1	1	1	15.94	74.57	-1.00
4022	0	0	0	1	1	1	19.72	74.57	-1.00
4023	0	0	0	1	1	1	23.50	74.57	-1.00
4024	0	0	0	1	1	1	27.28	74.57	-1.00
4025	0	0	0	1	1	1	31.06	74.57	-1.00
4026	0	0	0	1	1	1	34.84	74.57	-1.00
4027	0	0	0	1	1	1	38.65	74.57	-1.00
4028	0	0	0	1	1	1	8.35	70.60	-1.00
4029	0	0	0	1	1	1	12.16	70.60	-1.00
4030	0	0	0	1	1	1	15.94	70.60	-1.00
4031	0	0	0	1	1	1	19.72	70.60	-1.00
4032	0	0	0	1	1	1	23.50	70.60	-1.00
4033	0	0	0	1	1	1	27.28	70.60	-1.00
4034	0	0	0	1	1	1	31.06	70.60	-1.00
4035	0	0	0	1	1	1	34.84	70.60	-1.00
4036	0	0	0	1	1	1	38.65	70.60	-1.00
4037	0	0	0	1	1	1	8.35	66.63	-1.00
4038	0	0	0	1	1	1	12.16	66.63	-1.00
4039	0	0	0	1	1	1	15.94	66.63	-1.00
4040	0	0	0	1	1	1	19.72	66.63	-1.00
4041	0	0	0	1	1	1	23.50	66.63	-1.00
4042	0	0	0	1	1	1	27.28	66.63	-1.00
4043	0	0	0	1	1	1	31.06	66.63	-1.00
4044	0	0	0	1	1	1	34.84	66.63	-1.00
4045	0	0	0	1	1	1	38.65	66.63	-1.00
4046	0	0	0	1	1	1	8.35	62.66	-1.00
4047	0	0	0	1	1	1	12.16	62.66	-1.00
4048	0	0	0	1	1	1	15.94	62.66	-1.00
4049	0	0	0	1	1	1	19.72	62.66	-1.00
4050	0	0	0	1	1	1	23.50	62.66	-1.00
4051	0	0	0	1	1	1	27.28	62.66	-1.00
4052	0	0	0	1	1	1	31.06	62.66	-1.00
4053	0	0	0	1	1	1	34.84	62.66	-1.00



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4054	0	0	0	1	1	1	38.65	62.66	-1.00
4055	0	0	0	1	1	1	8.35	58.70	-1.00
4056	0	0	0	1	1	1	12.16	58.70	-1.00
4057	0	0	0	1	1	1	15.94	58.70	-1.00
4058	0	0	0	1	1	1	19.72	58.70	-1.00
4059	0	0	0	1	1	1	23.50	58.70	-1.00
4060	0	0	0	1	1	1	27.28	58.70	-1.00
4061	0	0	0	1	1	1	31.06	58.70	-1.00
4062	0	0	0	1	1	1	34.84	58.70	-1.00
4063	0	0	0	1	1	1	38.65	58.70	-1.00
4064	1	1	1	1	1	1	0.00	0.00	0.00
4200	1	1	1	1	1	1	0.00	0.00	0.00
4201	0	0	0	1	1	1	8.35	82.50	-2.00
4202	0	0	0	1	1	1	12.16	82.50	-2.00
4203	0	0	0	1	1	1	15.94	82.50	-2.00
4204	0	0	0	1	1	1	19.72	82.50	-2.00
4205	0	0	0	1	1	1	23.50	82.50	-2.00
4206	0	0	0	1	1	1	27.28	82.50	-2.00
4207	0	0	0	1	1	1	31.06	82.50	-2.00
4208	0	0	0	1	1	1	34.84	82.50	-2.00
4209	0	0	0	1	1	1	38.65	82.50	-2.00
4210	0	0	0	1	1	1	8.35	78.54	-2.00
4211	0	0	0	1	1	1	12.16	78.54	-2.00
4212	0	0	0	1	1	1	15.94	78.54	-2.00
4213	0	0	0	1	1	1	19.72	78.54	-2.00
4214	0	0	0	1	1	1	23.50	78.54	-2.00
4215	0	0	0	1	1	1	27.28	78.54	-2.00
4216	0	0	0	1	1	1	31.06	78.54	-2.00
4217	0	0	0	1	1	1	34.84	78.54	-2.00
4218	0	0	0	1	1	1	38.65	78.54	-2.00
4219	0	0	0	1	1	1	8.35	74.57	-2.00
4220	0	0	0	1	1	1	12.16	74.57	-2.00
4221	0	0	0	1	1	1	15.94	74.57	-2.00
4222	0	0	0	1	1	1	19.72	74.57	-2.00
4223	0	0	0	1	1	1	23.50	74.57	-2.00
4224	0	0	0	1	1	1	27.28	74.57	-2.00
4225	0	0	0	1	1	1	31.06	74.57	-2.00
4226	0	0	0	1	1	1	34.84	74.57	-2.00
4227	0	0	0	1	1	1	38.65	74.57	-2.00
4228	0	0	0	1	1	1	8.35	70.60	-2.00
4229	0	0	0	1	1	1	12.16	70.60	-2.00
4230	0	0	0	1	1	1	15.94	70.60	-2.00
4231	0	0	0	1	1	1	19.72	70.60	-2.00
4232	0	0	0	1	1	1	23.50	70.60	-2.00
4233	0	0	0	1	1	1	27.28	70.60	-2.00
4234	0	0	0	1	1	1	31.06	70.60	-2.00
4235	0	0	0	1	1	1	34.84	70.60	-2.00
4236	0	0	0	1	1	1	38.65	70.60	-2.00
4237	0	0	0	1	1	1	8.35	66.63	-2.00
4238	0	0	0	1	1	1	12.16	66.63	-2.00
4239	0	0	0	1	1	1	15.94	66.63	-2.00
4240	0	0	0	1	1	1	19.72	66.63	-2.00
4241	0	0	0	1	1	1	23.50	66.63	-2.00
4242	0	0	0	1	1	1	27.28	66.63	-2.00
4243	0	0	0	1	1	1	31.06	66.63	-2.00
4244	0	0	0	1	1	1	34.84	66.63	-2.00
4245	0	0	0	1	1	1	38.65	66.63	-2.00
4246	0	0	0	1	1	1	8.35	62.66	-2.00
4247	0	0	0	1	1	1	12.16	62.66	-2.00
4248	0	0	0	1	1	1	15.94	62.66	-2.00
4249	0	0	0	1	1	1	19.72	62.66	-2.00
4250	0	0	0	1	1	1	23.50	62.66	-2.00
4251	0	0	0	1	1	1	27.28	62.66	-2.00

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4252	0	0	0	1	1	1	31.06	62.66	-2.00
4253	0	0	0	1	1	1	34.84	62.66	-2.00
4254	0	0	0	1	1	1	38.65	62.66	-2.00
4255	0	0	0	1	1	1	8.35	58.70	-2.00
4256	0	0	0	1	1	1	12.16	58.70	-2.00
4257	0	0	0	1	1	1	15.94	58.70	-2.00
4258	0	0	0	1	1	1	19.72	58.70	-2.00
4259	0	0	0	1	1	1	23.50	58.70	-2.00
4260	0	0	0	1	1	1	27.28	58.70	-2.00
4261	0	0	0	1	1	1	31.06	58.70	-2.00
4262	0	0	0	1	1	1	34.84	58.70	-2.00
4263	0	0	0	1	1	1	38.65	58.70	-2.00
4264	1	1	1	1	1	1	0.00	0.00	0.00
4400	1	1	1	1	1	1	0.00	0.00	0.00
4401	0	0	0	1	1	1	8.35	82.50	-3.10
4402	0	0	0	1	1	1	12.16	82.50	-3.10
4403	0	0	0	1	1	1	15.94	82.50	-3.10
4404	0	0	0	1	1	1	19.72	82.50	-3.10
4405	0	0	0	1	1	1	23.50	82.50	-3.10
4406	0	0	0	1	1	1	27.28	82.50	-3.10
4407	0	0	0	1	1	1	31.06	82.50	-3.10
4408	0	0	0	1	1	1	34.84	82.50	-3.10
4409	0	0	0	1	1	1	38.65	82.50	-3.10
4410	0	0	0	1	1	1	8.35	78.54	-3.10
4411	0	0	0	1	1	1	12.16	78.54	-3.10
4412	0	0	0	1	1	1	15.94	78.54	-3.10
4413	0	0	0	1	1	1	19.72	78.54	-3.10
4414	0	0	0	1	1	1	23.50	78.54	-3.10
4415	0	0	0	1	1	1	27.28	78.54	-3.10
4416	0	0	0	1	1	1	31.06	78.54	-3.10
4417	0	0	0	1	1	1	34.84	78.54	-3.10
4418	0	0	0	1	1	1	38.65	78.54	-3.10
4419	0	0	0	1	1	1	8.35	74.57	-3.10
4420	0	0	0	1	1	1	12.16	74.57	-3.10
4421	0	0	0	1	1	1	15.94	74.57	-3.10
4422	0	0	0	1	1	1	19.72	74.57	-3.10
4423	0	0	0	1	1	1	23.50	74.57	-3.10
4424	0	0	0	1	1	1	27.28	74.57	-3.10
4425	0	0	0	1	1	1	31.06	74.57	-3.10
4426	0	0	0	1	1	1	34.84	74.57	-3.10
4427	0	0	0	1	1	1	38.65	74.57	-3.10
4428	0	0	0	1	1	1	8.35	70.60	-3.10
4429	0	0	0	1	1	1	12.16	70.60	-3.10
4430	0	0	0	1	1	1	15.94	70.60	-3.10
4431	0	0	0	1	1	1	19.72	70.60	-3.10
4432	0	0	0	1	1	1	23.50	70.60	-3.10
4433	0	0	0	1	1	1	27.28	70.60	-3.10
4434	0	0	0	1	1	1	31.06	70.60	-3.10
4435	0	0	0	1	1	1	34.84	70.60	-3.10
4436	0	0	0	1	1	1	38.65	70.60	-3.10
4437	0	0	0	1	1	1	8.35	66.63	-3.10
4438	0	0	0	1	1	1	12.16	66.63	-3.10
4439	0	0	0	1	1	1	15.94	66.63	-3.10
4440	0	0	0	1	1	1	19.72	66.63	-3.10
4441	0	0	0	1	1	1	23.50	66.63	-3.10
4442	0	0	0	1	1	1	27.28	66.63	-3.10
4443	0	0	0	1	1	1	31.06	66.63	-3.10
4444	0	0	0	1	1	1	34.84	66.63	-3.10
4445	0	0	0	1	1	1	38.65	66.63	-3.10
4446	0	0	0	1	1	1	8.35	62.66	-3.10
4447	0	0	0	1	1	1	12.16	62.66	-3.10
4448	0	0	0	1	1	1	15.94	62.66	-3.10
4449	0	0	0	1	1	1	19.72	62.66	-3.10

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4450	0	0	0	1	1	1	23.50	62.66	-3.10
4451	0	0	0	1	1	1	27.28	62.66	-3.10
4452	0	0	0	1	1	1	31.06	62.66	-3.10
4453	0	0	0	1	1	1	34.84	62.66	-3.10
4454	0	0	0	1	1	1	38.65	62.66	-3.10
4455	0	0	0	1	1	1	8.35	58.70	-3.10
4456	0	0	0	1	1	1	12.16	58.70	-3.10
4457	0	0	0	1	1	1	15.94	58.70	-3.10
4458	0	0	0	1	1	1	19.72	58.70	-3.10
4459	0	0	0	1	1	1	23.50	58.70	-3.10
4460	0	0	0	1	1	1	27.28	58.70	-3.10
4461	0	0	0	1	1	1	31.06	58.70	-3.10
4462	0	0	0	1	1	1	34.84	58.70	-3.10
4463	0	0	0	1	1	1	38.65	58.70	-3.10
4464	1	1	1	1	1	1	0.00	0.00	0.00
4600	1	1	1	1	1	1	0.00	0.00	0.00
4601	0	0	0	1	1	1	8.35	82.50	-4.20
4602	0	0	0	1	1	1	12.16	82.50	-4.20
4603	0	0	0	1	1	1	15.94	82.50	-4.20
4604	0	0	0	1	1	1	19.72	82.50	-4.20
4605	0	0	0	1	1	1	23.50	82.50	-4.20
4606	0	0	0	1	1	1	27.28	82.50	-4.20
4607	0	0	0	1	1	1	31.06	82.50	-4.20
4608	0	0	0	1	1	1	34.84	82.50	-4.20
4609	0	0	0	1	1	1	38.65	82.50	-4.20
4610	0	0	0	1	1	1	8.35	78.54	-4.20
4611	0	0	0	1	1	1	12.16	78.54	-4.20
4612	0	0	0	1	1	1	15.94	78.54	-4.20
4613	0	0	0	1	1	1	19.72	78.54	-4.20
4614	0	0	0	1	1	1	23.50	78.54	-4.20
4615	0	0	0	1	1	1	27.28	78.54	-4.20
4616	0	0	0	1	1	1	31.06	78.54	-4.20
4617	0	0	0	1	1	1	34.84	78.54	-4.20
4618	0	0	0	1	1	1	38.65	78.54	-4.20
4619	0	0	0	1	1	1	8.35	74.57	-4.20
4620	0	0	0	1	1	1	12.16	74.57	-4.20
4621	0	0	0	1	1	1	15.94	74.57	-4.20
4622	0	0	0	1	1	1	19.72	74.57	-4.20
4623	0	0	0	1	1	1	23.50	74.57	-4.20
4624	0	0	0	1	1	1	27.28	74.57	-4.20
4625	0	0	0	1	1	1	31.06	74.57	-4.20
4626	0	0	0	1	1	1	34.84	74.57	-4.20
4627	0	0	0	1	1	1	38.65	74.57	-4.20
4628	0	0	0	1	1	1	8.35	70.60	-4.20
4629	0	0	0	1	1	1	12.16	70.60	-4.20
4630	0	0	0	1	1	1	15.94	70.60	-4.20
4631	0	0	0	1	1	1	19.72	70.60	-4.20
4632	0	0	0	1	1	1	23.50	70.60	-4.20
4633	0	0	0	1	1	1	27.28	70.60	-4.20
4634	0	0	0	1	1	1	31.06	70.60	-4.20
4635	0	0	0	1	1	1	34.84	70.60	-4.20
4636	0	0	0	1	1	1	38.65	70.60	-4.20
4637	0	0	0	1	1	1	8.35	66.63	-4.20
4638	0	0	0	1	1	1	12.16	66.63	-4.20
4639	0	0	0	1	1	1	15.94	66.63	-4.20
4640	0	0	0	1	1	1	19.72	66.63	-4.20
4641	0	0	0	1	1	1	23.50	66.63	-4.20
4642	0	0	0	1	1	1	27.28	66.63	-4.20
4643	0	0	0	1	1	1	31.06	66.63	-4.20
4644	0	0	0	1	1	1	34.84	66.63	-4.20
4645	0	0	0	1	1	1	38.65	66.63	-4.20
4646	0	0	0	1	1	1	8.35	62.66	-4.20
4647	0	0	0	1	1	1	12.16	62.66	-4.20

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4648	0	0	0	1	1	1	15.94	62.66	-4.20
4649	0	0	0	1	1	1	19.72	62.66	-4.20
4650	0	0	0	1	1	1	23.50	62.66	-4.20
4651	0	0	0	1	1	1	27.28	62.66	-4.20
4652	0	0	0	1	1	1	31.06	62.66	-4.20
4653	0	0	0	1	1	1	34.84	62.66	-4.20
4654	0	0	0	1	1	1	38.65	62.66	-4.20
4655	0	0	0	1	1	1	8.35	58.70	-4.20
4656	0	0	0	1	1	1	12.16	58.70	-4.20
4657	0	0	0	1	1	1	15.94	58.70	-4.20
4658	0	0	0	1	1	1	19.72	58.70	-4.20
4659	0	0	0	1	1	1	23.50	58.70	-4.20
4660	0	0	0	1	1	1	27.28	58.70	-4.20
4661	0	0	0	1	1	1	31.06	58.70	-4.20
4662	0	0	0	1	1	1	34.84	58.70	-4.20
4663	0	0	0	1	1	1	38.65	58.70	-4.20
4664	1	1	1	1	1	1	0.00	0.00	0.00
4800	1	1	1	1	1	1	0.00	0.00	0.00
4801	0	0	0	1	1	1	8.35	82.50	-5.30
4802	0	0	0	1	1	1	12.16	82.50	-5.30
4803	0	0	0	1	1	1	15.94	82.50	-5.30
4804	0	0	0	1	1	1	19.72	82.50	-5.30
4805	0	0	0	1	1	1	23.50	82.50	-5.30
4806	0	0	0	1	1	1	27.28	82.50	-5.30
4807	0	0	0	1	1	1	31.06	82.50	-5.30
4808	0	0	0	1	1	1	34.84	82.50	-5.30
4809	0	0	0	1	1	1	38.65	82.50	-5.30
4810	0	0	0	1	1	1	8.35	78.54	-5.30
4811	0	0	0	1	1	1	12.16	78.54	-5.30
4812	0	0	0	1	1	1	15.94	78.54	-5.30
4813	0	0	0	1	1	1	19.72	78.54	-5.30
4814	0	0	0	1	1	1	23.50	78.54	-5.30
4815	0	0	0	1	1	1	27.28	78.54	-5.30
4816	0	0	0	1	1	1	31.06	78.54	-5.30
4817	0	0	0	1	1	1	34.84	78.54	-5.30
4818	0	0	0	1	1	1	38.65	78.54	-5.30
4819	0	0	0	1	1	1	8.35	74.57	-5.30
4820	0	0	0	1	1	1	12.16	74.57	-5.30
4821	0	0	0	1	1	1	15.94	74.57	-5.30
4822	0	0	0	1	1	1	19.72	74.57	-5.30
4823	0	0	0	1	1	1	23.50	74.57	-5.30
4824	0	0	0	1	1	1	27.28	74.57	-5.30
4825	0	0	0	1	1	1	31.06	74.57	-5.30
4826	0	0	0	1	1	1	34.84	74.57	-5.30
4827	0	0	0	1	1	1	38.65	74.57	-5.30
4828	0	0	0	1	1	1	8.35	70.60	-5.30
4829	0	0	0	1	1	1	12.16	70.60	-5.30
4830	0	0	0	1	1	1	15.94	70.60	-5.30
4831	0	0	0	1	1	1	19.72	70.60	-5.30
4832	0	0	0	1	1	1	23.50	70.60	-5.30
4833	0	0	0	1	1	1	27.28	70.60	-5.30
4834	0	0	0	1	1	1	31.06	70.60	-5.30
4835	0	0	0	1	1	1	34.84	70.60	-5.30
4836	0	0	0	1	1	1	38.65	70.60	-5.30
4837	0	0	0	1	1	1	8.35	66.63	-5.30
4838	0	0	0	1	1	1	12.16	66.63	-5.30
4839	0	0	0	1	1	1	15.94	66.63	-5.30
4840	0	0	0	1	1	1	19.72	66.63	-5.30
4841	0	0	0	1	1	1	23.50	66.63	-5.30
4842	0	0	0	1	1	1	27.28	66.63	-5.30
4843	0	0	0	1	1	1	31.06	66.63	-5.30
4844	0	0	0	1	1	1	34.84	66.63	-5.30
4845	0	0	0	1	1	1	38.65	66.63	-5.30

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4846	0	0	0	1	1	1	8.35	62.66	-5.30
4847	0	0	0	1	1	1	12.16	62.66	-5.30
4848	0	0	0	1	1	1	15.94	62.66	-5.30
4849	0	0	0	1	1	1	19.72	62.66	-5.30
4850	0	0	0	1	1	1	23.50	62.66	-5.30
4851	0	0	0	1	1	1	27.28	62.66	-5.30
4852	0	0	0	1	1	1	31.06	62.66	-5.30
4853	0	0	0	1	1	1	34.84	62.66	-5.30
4854	0	0	0	1	1	1	38.65	62.66	-5.30
4855	0	0	0	1	1	1	8.35	58.70	-5.30
4856	0	0	0	1	1	1	12.16	58.70	-5.30
4857	0	0	0	1	1	1	15.94	58.70	-5.30
4858	0	0	0	1	1	1	19.72	58.70	-5.30
4859	0	0	0	1	1	1	23.50	58.70	-5.30
4860	0	0	0	1	1	1	27.28	58.70	-5.30
4861	0	0	0	1	1	1	31.06	58.70	-5.30
4862	0	0	0	1	1	1	34.84	58.70	-5.30
4863	0	0	0	1	1	1	38.65	58.70	-5.30
4864	1	1	1	1	1	1	0.00	0.00	0.00
5000	1	1	1	1	1	1	0.00	0.00	0.00
5001	0	0	0	1	1	1	8.35	82.50	-6.40
5002	0	0	0	1	1	1	12.16	82.50	-6.40
5003	0	0	0	1	1	1	15.94	82.50	-6.40
5004	0	0	0	1	1	1	19.72	82.50	-6.40
5005	0	0	0	1	1	1	23.50	82.50	-6.40
5006	0	0	0	1	1	1	27.28	82.50	-6.40
5007	0	0	0	1	1	1	31.06	82.50	-6.40
5008	0	0	0	1	1	1	34.84	82.50	-6.40
5009	0	0	0	1	1	1	38.65	82.50	-6.40
5010	0	0	0	1	1	1	8.35	78.54	-6.40
5011	0	0	0	1	1	1	12.16	78.54	-6.40
5012	0	0	0	1	1	1	15.94	78.54	-6.40
5013	0	0	0	1	1	1	19.72	78.54	-6.40
5014	0	0	0	1	1	1	23.50	78.54	-6.40
5015	0	0	0	1	1	1	27.28	78.54	-6.40
5016	0	0	0	1	1	1	31.06	78.54	-6.40
5017	0	0	0	1	1	1	34.84	78.54	-6.40
5018	0	0	0	1	1	1	38.65	78.54	-6.40
5019	0	0	0	1	1	1	8.35	74.57	-6.40
5020	0	0	0	1	1	1	12.16	74.57	-6.40
5021	0	0	0	1	1	1	15.94	74.57	-6.40
5022	0	0	0	1	1	1	19.72	74.57	-6.40
5023	0	0	0	1	1	1	23.50	74.57	-6.40
5024	0	0	0	1	1	1	27.28	74.57	-6.40
5025	0	0	0	1	1	1	31.06	74.57	-6.40
5026	0	0	0	1	1	1	34.84	74.57	-6.40
5027	0	0	0	1	1	1	38.65	74.57	-6.40
5028	0	0	0	1	1	1	8.35	70.60	-6.40
5029	0	0	0	1	1	1	12.16	70.60	-6.40
5030	0	0	0	1	1	1	15.94	70.60	-6.40
5031	0	0	0	1	1	1	19.72	70.60	-6.40
5032	0	0	0	1	1	1	23.50	70.60	-6.40
5033	0	0	0	1	1	1	27.28	70.60	-6.40
5034	0	0	0	1	1	1	31.06	70.60	-6.40
5035	0	0	0	1	1	1	34.84	70.60	-6.40
5036	0	0	0	1	1	1	38.65	70.60	-6.40
5037	0	0	0	1	1	1	8.35	66.63	-6.40
5038	0	0	0	1	1	1	12.16	66.63	-6.40
5039	0	0	0	1	1	1	15.94	66.63	-6.40
5040	0	0	0	1	1	1	19.72	66.63	-6.40
5041	0	0	0	1	1	1	23.50	66.63	-6.40
5042	0	0	0	1	1	1	27.28	66.63	-6.40
5043	0	0	0	1	1	1	31.06	66.63	-6.40

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5044	0	0	0	1	1	1	34.84	66.63	-6.40
5045	0	0	0	1	1	1	38.65	66.63	-6.40
5046	0	0	0	1	1	1	8.35	62.66	-6.40
5047	0	0	0	1	1	1	12.16	62.66	-6.40
5048	0	0	0	1	1	1	15.94	62.66	-6.40
5049	0	0	0	1	1	1	19.72	62.66	-6.40
5050	0	0	0	1	1	1	23.50	62.66	-6.40
5051	0	0	0	1	1	1	27.28	62.66	-6.40
5052	0	0	0	1	1	1	31.06	62.66	-6.40
5053	0	0	0	1	1	1	34.84	62.66	-6.40
5054	0	0	0	1	1	1	38.65	62.66	-6.40
5055	0	0	0	1	1	1	8.35	58.70	-6.40
5056	0	0	0	1	1	1	12.16	58.70	-6.40
5057	0	0	0	1	1	1	15.94	58.70	-6.40
5058	0	0	0	1	1	1	19.72	58.70	-6.40
5059	0	0	0	1	1	1	23.50	58.70	-6.40
5060	0	0	0	1	1	1	27.28	58.70	-6.40
5061	0	0	0	1	1	1	31.06	58.70	-6.40
5062	0	0	0	1	1	1	34.84	58.70	-6.40
5063	0	0	0	1	1	1	38.65	58.70	-6.40
5064	1	1	1	1	1	1	0.00	0.00	0.00
5200	1	1	1	1	1	1	0.00	0.00	0.00
5201	0	0	0	1	1	1	8.35	82.50	-7.40
5202	0	0	0	1	1	1	12.16	82.50	-7.40
5203	0	0	0	1	1	1	15.94	82.50	-7.40
5204	0	0	0	1	1	1	19.72	82.50	-7.40
5205	0	0	0	1	1	1	23.50	82.50	-7.40
5206	0	0	0	1	1	1	27.28	82.50	-7.40
5207	0	0	0	1	1	1	31.06	82.50	-7.40
5208	0	0	0	1	1	1	34.84	82.50	-7.40
5209	0	0	0	1	1	1	38.65	82.50	-7.40
5210	0	0	0	1	1	1	8.35	78.54	-7.40
5211	0	0	0	1	1	1	12.16	78.54	-7.40
5212	0	0	0	1	1	1	15.94	78.54	-7.40
5213	0	0	0	1	1	1	19.72	78.54	-7.40
5214	0	0	0	1	1	1	23.50	78.54	-7.40
5215	0	0	0	1	1	1	27.28	78.54	-7.40
5216	0	0	0	1	1	1	31.06	78.54	-7.40
5217	0	0	0	1	1	1	34.84	78.54	-7.40
5218	0	0	0	1	1	1	38.65	78.54	-7.40
5219	0	0	0	1	1	1	8.35	74.57	-7.40
5220	0	0	0	1	1	1	12.16	74.57	-7.40
5221	0	0	0	1	1	1	15.94	74.57	-7.40
5222	0	0	0	1	1	1	19.72	74.57	-7.40
5223	0	0	0	1	1	1	23.50	74.57	-7.40
5224	0	0	0	1	1	1	27.28	74.57	-7.40
5225	0	0	0	1	1	1	31.06	74.57	-7.40
5226	0	0	0	1	1	1	34.84	74.57	-7.40
5227	0	0	0	1	1	1	38.65	74.57	-7.40
5228	0	0	0	1	1	1	8.35	70.60	-7.40
5229	0	0	0	1	1	1	12.16	70.60	-7.40
5230	0	0	0	1	1	1	15.94	70.60	-7.40
5231	0	0	0	1	1	1	19.72	70.60	-7.40
5232	0	0	0	1	1	1	23.50	70.60	-7.40
5233	0	0	0	1	1	1	27.28	70.60	-7.40
5234	0	0	0	1	1	1	31.06	70.60	-7.40
5235	0	0	0	1	1	1	34.84	70.60	-7.40
5236	0	0	0	1	1	1	38.65	70.60	-7.40
5237	0	0	0	1	1	1	8.35	66.63	-7.40
5238	0	0	0	1	1	1	12.16	66.63	-7.40
5239	0	0	0	1	1	1	15.94	66.63	-7.40
5240	0	0	0	1	1	1	19.72	66.63	-7.40
5241	0	0	0	1	1	1	23.50	66.63	-7.40

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5242	0	0	0	1	1	1	27.28	66.63	-7.40
5243	0	0	0	1	1	1	31.06	66.63	-7.40
5244	0	0	0	1	1	1	34.84	66.63	-7.40
5245	0	0	0	1	1	1	38.65	66.63	-7.40
5246	0	0	0	1	1	1	8.35	62.66	-7.40
5247	0	0	0	1	1	1	12.16	62.66	-7.40
5248	0	0	0	1	1	1	15.94	62.66	-7.40
5249	0	0	0	1	1	1	19.72	62.66	-7.40
5250	0	0	0	1	1	1	23.50	62.66	-7.40
5251	0	0	0	1	1	1	27.28	62.66	-7.40
5252	0	0	0	1	1	1	31.06	62.66	-7.40
5253	0	0	0	1	1	1	34.84	62.66	-7.40
5254	0	0	0	1	1	1	38.65	62.66	-7.40
5255	0	0	0	1	1	1	8.35	58.70	-7.40
5256	0	0	0	1	1	1	12.16	58.70	-7.40
5257	0	0	0	1	1	1	15.94	58.70	-7.40
5258	0	0	0	1	1	1	19.72	58.70	-7.40
5259	0	0	0	1	1	1	23.50	58.70	-7.40
5260	0	0	0	1	1	1	27.28	58.70	-7.40
5261	0	0	0	1	1	1	31.06	58.70	-7.40
5262	0	0	0	1	1	1	34.84	58.70	-7.40
5263	0	0	0	1	1	1	38.65	58.70	-7.40
5264	1	1	1	1	1	1	0.00	0.00	0.00
5400	1	1	1	1	1	1	0.00	0.00	0.00
5401	0	0	0	1	1	1	8.35	82.50	-8.40
5402	0	0	0	1	1	1	12.16	82.50	-8.40
5403	0	0	0	1	1	1	15.94	82.50	-8.40
5404	0	0	0	1	1	1	19.72	82.50	-8.40
5405	0	0	0	1	1	1	23.50	82.50	-8.40
5406	0	0	0	1	1	1	27.28	82.50	-8.40
5407	0	0	0	1	1	1	31.06	82.50	-8.40
5408	0	0	0	1	1	1	34.84	82.50	-8.40
5409	0	0	0	1	1	1	38.65	82.50	-8.40
5410	0	0	0	1	1	1	8.35	78.54	-8.40
5411	0	0	0	1	1	1	12.16	78.54	-8.40
5412	0	0	0	1	1	1	15.94	78.54	-8.40
5413	0	0	0	1	1	1	19.72	78.54	-8.40
5414	0	0	0	1	1	1	23.50	78.54	-8.40
5415	0	0	0	1	1	1	27.28	78.54	-8.40
5416	0	0	0	1	1	1	31.06	78.54	-8.40
5417	0	0	0	1	1	1	34.84	78.54	-8.40
5418	0	0	0	1	1	1	38.65	78.54	-8.40
5419	0	0	0	1	1	1	8.35	74.57	-8.40
5420	0	0	0	1	1	1	12.16	74.57	-8.40
5421	0	0	0	1	1	1	15.94	74.57	-8.40
5422	0	0	0	1	1	1	19.72	74.57	-8.40
5423	0	0	0	1	1	1	23.50	74.57	-8.40
5424	0	0	0	1	1	1	27.28	74.57	-8.40
5425	0	0	0	1	1	1	31.06	74.57	-8.40
5426	0	0	0	1	1	1	34.84	74.57	-8.40
5427	0	0	0	1	1	1	38.65	74.57	-8.40
5428	0	0	0	1	1	1	8.35	70.60	-8.40
5429	0	0	0	1	1	1	12.16	70.60	-8.40
5430	0	0	0	1	1	1	15.94	70.60	-8.40
5431	0	0	0	1	1	1	19.72	70.60	-8.40
5432	0	0	0	1	1	1	23.50	70.60	-8.40
5433	0	0	0	1	1	1	27.28	70.60	-8.40
5434	0	0	0	1	1	1	31.06	70.60	-8.40
5435	0	0	0	1	1	1	34.84	70.60	-8.40
5436	0	0	0	1	1	1	38.65	70.60	-8.40
5437	0	0	0	1	1	1	8.35	66.63	-8.40
5438	0	0	0	1	1	1	12.16	66.63	-8.40
5439	0	0	0	1	1	1	15.94	66.63	-8.40

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5440	0	0	0	1	1	1	19.72	66.63	-8.40
5441	0	0	0	1	1	1	23.50	66.63	-8.40
5442	0	0	0	1	1	1	27.28	66.63	-8.40
5443	0	0	0	1	1	1	31.06	66.63	-8.40
5444	0	0	0	1	1	1	34.84	66.63	-8.40
5445	0	0	0	1	1	1	38.65	66.63	-8.40
5446	0	0	0	1	1	1	8.35	62.66	-8.40
5447	0	0	0	1	1	1	12.16	62.66	-8.40
5448	0	0	0	1	1	1	15.94	62.66	-8.40
5449	0	0	0	1	1	1	19.72	62.66	-8.40
5450	0	0	0	1	1	1	23.50	62.66	-8.40
5451	0	0	0	1	1	1	27.28	62.66	-8.40
5452	0	0	0	1	1	1	31.06	62.66	-8.40
5453	0	0	0	1	1	1	34.84	62.66	-8.40
5454	0	0	0	1	1	1	38.65	62.66	-8.40
5455	0	0	0	1	1	1	8.35	58.70	-8.40
5456	0	0	0	1	1	1	12.16	58.70	-8.40
5457	0	0	0	1	1	1	15.94	58.70	-8.40
5458	0	0	0	1	1	1	19.72	58.70	-8.40
5459	0	0	0	1	1	1	23.50	58.70	-8.40
5460	0	0	0	1	1	1	27.28	58.70	-8.40
5461	0	0	0	1	1	1	31.06	58.70	-8.40
5462	0	0	0	1	1	1	34.84	58.70	-8.40
5463	0	0	0	1	1	1	38.65	58.70	-8.40
5464	1	1	1	1	1	1	0.00	0.00	0.00
5600	1	1	1	1	1	1	0.00	0.00	0.00
5601	0	0	0	1	1	1	8.35	82.50	-9.40
5602	0	0	0	1	1	1	12.16	82.50	-9.40
5603	0	0	0	1	1	1	15.94	82.50	-9.40
5604	0	0	0	1	1	1	19.72	82.50	-9.40
5605	0	0	0	1	1	1	23.50	82.50	-9.40
5606	0	0	0	1	1	1	27.28	82.50	-9.40
5607	0	0	0	1	1	1	31.06	82.50	-9.40
5608	0	0	0	1	1	1	34.84	82.50	-9.40
5609	0	0	0	1	1	1	38.65	82.50	-9.40
5610	0	0	0	1	1	1	8.35	78.54	-9.40
5611	0	0	0	1	1	1	12.16	78.54	-9.40
5612	0	0	0	1	1	1	15.94	78.54	-9.40
5613	0	0	0	1	1	1	19.72	78.54	-9.40
5614	0	0	0	1	1	1	23.50	78.54	-9.40
5615	0	0	0	1	1	1	27.28	78.54	-9.40
5616	0	0	0	1	1	1	31.06	78.54	-9.40
5617	0	0	0	1	1	1	34.84	78.54	-9.40
5618	0	0	0	1	1	1	38.65	78.54	-9.40
5619	0	0	0	1	1	1	8.35	74.57	-9.40
5620	0	0	0	1	1	1	12.16	74.57	-9.40
5621	0	0	0	1	1	1	15.94	74.57	-9.40
5622	0	0	0	1	1	1	19.72	74.57	-9.40
5623	0	0	0	1	1	1	23.50	74.57	-9.40
5624	0	0	0	1	1	1	27.28	74.57	-9.40
5625	0	0	0	1	1	1	31.06	74.57	-9.40
5626	0	0	0	1	1	1	34.84	74.57	-9.40
5627	0	0	0	1	1	1	38.65	74.57	-9.40
5628	0	0	0	1	1	1	8.35	70.60	-9.40
5629	0	0	0	1	1	1	12.16	70.60	-9.40
5630	0	0	0	1	1	1	15.94	70.60	-9.40
5631	0	0	0	1	1	1	19.72	70.60	-9.40
5632	0	0	0	1	1	1	23.50	70.60	-9.40
5633	0	0	0	1	1	1	27.28	70.60	-9.40
5634	0	0	0	1	1	1	31.06	70.60	-9.40
5635	0	0	0	1	1	1	34.84	70.60	-9.40
5636	0	0	0	1	1	1	38.65	70.60	-9.40
5637	0	0	0	1	1	1	8.35	66.63	-9.40

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5638	0	0	0	1	1	1	12.16	66.63	-9.40
5639	0	0	0	1	1	1	15.94	66.63	-9.40
5640	0	0	0	1	1	1	19.72	66.63	-9.40
5641	0	0	0	1	1	1	23.50	66.63	-9.40
5642	0	0	0	1	1	1	27.28	66.63	-9.40
5643	0	0	0	1	1	1	31.06	66.63	-9.40
5644	0	0	0	1	1	1	34.84	66.63	-9.40
5645	0	0	0	1	1	1	38.65	66.63	-9.40
5646	0	0	0	1	1	1	8.35	62.66	-9.40
5647	0	0	0	1	1	1	12.16	62.66	-9.40
5648	0	0	0	1	1	1	15.94	62.66	-9.40
5649	0	0	0	1	1	1	19.72	62.66	-9.40
5650	0	0	0	1	1	1	23.50	62.66	-9.40
5651	0	0	0	1	1	1	27.28	62.66	-9.40
5652	0	0	0	1	1	1	31.06	62.66	-9.40
5653	0	0	0	1	1	1	34.84	62.66	-9.40
5654	0	0	0	1	1	1	38.65	62.66	-9.40
5655	0	0	0	1	1	1	8.35	58.70	-9.40
5656	0	0	0	1	1	1	12.16	58.70	-9.40
5657	0	0	0	1	1	1	15.94	58.70	-9.40
5658	0	0	0	1	1	1	19.72	58.70	-9.40
5659	0	0	0	1	1	1	23.50	58.70	-9.40
5660	0	0	0	1	1	1	27.28	58.70	-9.40
5661	0	0	0	1	1	1	31.06	58.70	-9.40
5662	0	0	0	1	1	1	34.84	58.70	-9.40
5663	0	0	0	1	1	1	38.65	58.70	-9.40
5664	1	1	1	1	1	1	0.00	0.00	0.00
5800	1	1	1	1	1	1	0.00	0.00	0.00
5801	0	0	0	1	1	1	8.35	82.50	-10.40
5802	0	0	0	1	1	1	12.16	82.50	-10.40
5803	0	0	0	1	1	1	15.94	82.50	-10.40
5804	0	0	0	1	1	1	19.72	82.50	-10.40
5805	0	0	0	1	1	1	23.50	82.50	-10.40
5806	0	0	0	1	1	1	27.28	82.50	-10.40
5807	0	0	0	1	1	1	31.06	82.50	-10.40
5808	0	0	0	1	1	1	34.84	82.50	-10.40
5809	0	0	0	1	1	1	38.65	82.50	-10.40
5810	0	0	0	1	1	1	8.35	78.54	-10.40
5811	0	0	0	1	1	1	12.16	78.54	-10.40
5812	0	0	0	1	1	1	15.94	78.54	-10.40
5813	0	0	0	1	1	1	19.72	78.54	-10.40
5814	0	0	0	1	1	1	23.50	78.54	-10.40
5815	0	0	0	1	1	1	27.28	78.54	-10.40
5816	0	0	0	1	1	1	31.06	78.54	-10.40
5817	0	0	0	1	1	1	34.84	78.54	-10.40
5818	0	0	0	1	1	1	38.65	78.54	-10.40
5819	0	0	0	1	1	1	8.35	74.57	-10.40
5820	0	0	0	1	1	1	12.16	74.57	-10.40
5821	0	0	0	1	1	1	15.94	74.57	-10.40
5822	0	0	0	1	1	1	19.72	74.57	-10.40
5823	0	0	0	1	1	1	23.50	74.57	-10.40
5824	0	0	0	1	1	1	27.28	74.57	-10.40
5825	0	0	0	1	1	1	31.06	74.57	-10.40
5826	0	0	0	1	1	1	34.84	74.57	-10.40
5827	0	0	0	1	1	1	38.65	74.57	-10.40
5828	0	0	0	1	1	1	8.35	70.60	-10.40
5829	0	0	0	1	1	1	12.16	70.60	-10.40
5830	0	0	0	1	1	1	15.94	70.60	-10.40
5831	0	0	0	1	1	1	19.72	70.60	-10.40
5832	0	0	0	1	1	1	23.50	70.60	-10.40
5833	0	0	0	1	1	1	27.28	70.60	-10.40
5834	0	0	0	1	1	1	31.06	70.60	-10.40
5835	0	0	0	1	1	1	34.84	70.60	-10.40

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5836	0	0	0	1	1	1	38.65	70.60	-10.40						
5837	0	0	0	1	1	1	8.35	66.63	-10.40						
5838	0	0	0	1	1	1	12.16	66.63	-10.40						
5839	0	0	0	1	1	1	15.94	66.63	-10.40						
5840	0	0	0	1	1	1	19.72	66.63	-10.40						
5841	0	0	0	1	1	1	23.50	66.63	-10.40						
5842	0	0	0	1	1	1	27.28	66.63	-10.40						
5843	0	0	0	1	1	1	31.06	66.63	-10.40						
5844	0	0	0	1	1	1	34.84	66.63	-10.40						
5845	0	0	0	1	1	1	38.65	66.63	-10.40						
5846	0	0	0	1	1	1	8.35	62.66	-10.40						
5847	0	0	0	1	1	1	12.16	62.66	-10.40						
5848	0	0	0	1	1	1	15.94	62.66	-10.40						
5849	0	0	0	1	1	1	19.72	62.66	-10.40						
5850	0	0	0	1	1	1	23.50	62.66	-10.40						
5851	0	0	0	1	1	1	27.28	62.66	-10.40						
5852	0	0	0	1	1	1	31.06	62.66	-10.40						
5853	0	0	0	1	1	1	34.84	62.66	-10.40						
5854	0	0	0	1	1	1	38.65	62.66	-10.40						
5855	0	0	0	1	1	1	8.35	58.70	-10.40						
5856	0	0	0	1	1	1	12.16	58.70	-10.40						
5857	0	0	0	1	1	1	15.94	58.70	-10.40						
5858	0	0	0	1	1	1	19.72	58.70	-10.40						
5859	0	0	0	1	1	1	23.50	58.70	-10.40						
5860	0	0	0	1	1	1	27.28	58.70	-10.40						
5861	0	0	0	1	1	1	31.06	58.70	-10.40						
5862	0	0	0	1	1	1	34.84	58.70	-10.40						
5863	0	0	0	1	1	1	38.65	58.70	-10.40						
455															
3001	3009	-1	3010	3046	-9	3018	3054	-9	3055	3063	-1	3201	3209	-1	3210
3246	-9	3218	3254	-9	3255	3263	-1	3401	3409	-1	3410	3446	-9	3418	3454
-9	3455	3463	-1	3601	3609	-1	3610	3646	-9	3618	3654	-9	3655	3663	-1
3801	3809	-1	3810	3846	-9	3818	3854	-9	3855	3863	-1	4001	4009	-1	4010
4046	-9	4018	4054	-9	4055	4063	-1	4201	4209	-1	4210	4246	-9	4218	4254
-9	4255	4263	-1	4401	4409	-1	4410	4446	-9	4418	4454	-9	4455	4463	-1
4601	4609	-1	4610	4646	-9	4618	4654	-9	4655	4663	-1	4801	4809	-1	4810
4846	-9	4818	4854	-9	4855	4863	-1	5001	5009	-1	5010	5046	-9	5018	5054
-9	5055	5063	-1	5201	5209	-1	5210	5246	-9	5218	5254	-9	5255	5263	-1
5401	5409	-1	5410	5446	-9	5418	5454	-9	5455	5463	-1	5601	5609	-1	5610
5646	-9	5618	5654	-9	5655	5663	-1	5801	5863	-1	0				
1	1.10		2.00		300.00		1461.32		0.05		0.05				
2	1.10	4.50	2.00	0.00	300.00		1461.32		0.05		0.05				
3	1.10	3.40	2.00	1.10	300.00		1461.32		0.05		0.05				
4	1.10	2.30	2.00	2.20	300.00		1461.32		0.05		0.05				
5	1.10	1.20	2.00	3.30	300.00		1461.32		0.05		0.05				
6	1.00	0.10	2.00	4.40	300.00		1461.32		0.05		0.05				
7	1.10	-1.00	2.00	5.50	300.00		1461.32		0.05		0.05				
8	1.10	-2.00	2.00	6.50	300.00		1461.32		0.05		0.05				
9	1.10	-3.10	2.00	7.60	300.00		1461.32		0.05		0.05				
10	1.10	-4.20	2.00	8.70	300.00		1461.32		0.05		0.05				
11	1.00	-5.30	2.00	9.80	300.00		1461.32		0.05		0.05				
12	1.00	-6.40	2.00	10.90	300.00		1461.32		0.05		0.05				

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		-7.40	11.90					
13	1.00	2.00	300.00	1461.32	0.05	0.05		
		-8.40	12.90					
14	1.00	2.00	300.00	1461.32	0.05	0.05		
		-9.40	13.90					
1	672	0	1	1				
SOLID (GR1, CB EXCAVATED SOIL)								
1	3201	3210	3211	3202	3001	3010	3011	3002
2	3210	3219	3220	3211	3010	3019	3020	3011
3	3219	3228	3229	3220	3019	3028	3029	3020
4	3228	3237	3238	3229	3028	3037	3038	3029
5	3237	3246	3247	3238	3037	3046	3047	3038
6	3246	3255	3256	3247	3046	3055	3056	3047
7	3202	3211	3212	3203	3002	3011	3012	3003
8	3211	3220	3221	3212	3011	3020	3021	3012
9	3220	3229	3230	3221	3020	3029	3030	3021
10	3229	3238	3239	3230	3029	3038	3039	3030
11	3238	3247	3248	3239	3038	3047	3048	3039
12	3247	3256	3257	3248	3047	3056	3057	3048
13	3203	3212	3213	3204	3003	3012	3013	3004
14	3212	3221	3222	3213	3012	3021	3022	3013
15	3221	3230	3231	3222	3021	3030	3031	3022
16	3230	3239	3240	3231	3030	3039	3040	3031
17	3239	3248	3249	3240	3039	3048	3049	3040
18	3248	3257	3258	3249	3048	3057	3058	3049
19	3204	3213	3214	3205	3004	3013	3014	3005
20	3213	3222	3223	3214	3013	3022	3023	3014
21	3222	3231	3232	3223	3022	3031	3032	3023
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23	3240	3249	3250	3241	3040	3049	3050	3041
24	3249	3258	3259	3250	3049	3058	3059	3050
25	3205	3214	3215	3206	3005	3014	3015	3006
26	3214	3223	3224	3215	3014	3023	3024	3015
27	3223	3232	3233	3224	3023	3032	3033	3024
28	3232	3241	3242	3233	3032	3041	3042	3033
29	3241	3250	3251	3242	3041	3050	3051	3042
30	3250	3259	3260	3251	3050	3059	3060	3051
31	3206	3215	3216	3207	3006	3015	3016	3007
32	3215	3224	3225	3216	3015	3024	3025	3016
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35	3242	3251	3252	3243	3042	3051	3052	3043
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37	3207	3216	3217	3208	3007	3016	3017	3008
38	3216	3225	3226	3217	3016	3025	3026	3017
39	3225	3234	3235	3226	3025	3034	3035	3026
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41	3243	3252	3253	3244	3043	3052	3053	3044
42	3252	3261	3262	3253	3052	3061	3062	3053
43	3208	3217	3218	3209	3008	3017	3018	3009
44	3217	3226	3227	3218	3017	3026	3027	3018
45	3226	3235	3236	3227	3026	3035	3036	3027
46	3235	3244	3245	3236	3035	3044	3045	3036
47	3244	3253	3254	3245	3044	3053	3054	3045
48	3253	3262	3263	3254	3053	3062	3063	3054
49	3401	3410	3411	3402	3201	3210	3211	3202
50	3410	3419	3420	3411	3210	3219	3220	3211
51	3419	3428	3429	3420	3219	3228	3229	3220
52	3428	3437	3438	3429	3228	3237	3238	3229
53	3437	3446	3447	3438	3237	3246	3247	3238
54	3446	3455	3456	3447	3246	3255	3256	3247
55	3402	3411	3412	3403	3202	3211	3212	3203
56	3411	3420	3421	3412	3211	3220	3221	3212

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76	3432	3441	3442	3433	3232	3241	3242	3233	2	-1	1
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79	3406	3415	3416	3407	3206	3215	3216	3207	2	-1	1
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97	3601	3610	3611	3602	3401	3410	3411	3402	2	-1	1
98	3610	3619	3620	3611	3410	3419	3420	3411	2	-1	1
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115	3604	3613	3614	3605	3404	3413	3414	3405	2	-1	1
116	3613	3622	3623	3614	3413	3422	3423	3414	2	-1	1
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122	3614	3623	3624	3615	3414	3423	3424	3415	2	-1	1
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124	3632	3641	3642	3633	3432	3441	3442	3433	2	-1	1
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127	3606	3615	3616	3607	3406	3415	3416	3407	2	-1	1
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129	3624	3633	3634	3625	3424	3433	3434	3425	2	-1	1
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157	3803	3812	3813	3804	3603	3612	3613	3604	2	-1	1
158	3812	3821	3822	3813	3612	3621	3622	3613	2	-1	1
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163	3804	3813	3814	3805	3604	3613	3614	3605	2	-1	1
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181	3807	3816	3817	3808	3607	3616	3617	3608	2	-1	1
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254	4212	4221	4222	4213	4012	4021	4022	4013	2	-1	1
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256	4230	4239	4240	4231	4030	4039	4040	4031	2	-1	1
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499	5204	5213	5214	5205	5004	5013	5014	5005	2	-1	1
500	5213	5222	5223	5214	5013	5022	5023	5014	2	-1	1
501	5222	5231	5232	5223	5022	5031	5032	5023	2	-1	1
502	5231	5240	5241	5232	5031	5040	5041	5032	2	-1	1
503	5240	5249	5250	5241	5040	5049	5050	5041	2	-1	1
504	5249	5258	5259	5250	5049	5058	5059	5050	2	-1	1
505	5205	5214	5215	5206	5005	5014	5015	5006	2	-1	1
506	5214	5223	5224	5215	5014	5023	5024	5015	2	-1	1
507	5223	5232	5233	5224	5023	5032	5033	5024	2	-1	1
508	5232	5241	5242	5233	5032	5041	5042	5033	2	-1	1
509	5241	5250	5251	5242	5041	5050	5051	5042	2	-1	1
510	5250	5259	5260	5251	5050	5059	5060	5051	2	-1	1
511	5206	5215	5216	5207	5006	5015	5016	5007	2	-1	1
512	5215	5224	5225	5216	5015	5024	5025	5016	2	-1	1
513	5224	5233	5234	5225	5024	5033	5034	5025	2	-1	1
514	5233	5242	5243	5234	5033	5042	5043	5034	2	-1	1
515	5242	5251	5252	5243	5042	5051	5052	5043	2	-1	1
516	5251	5260	5261	5252	5051	5060	5061	5052	2	-1	1
517	5207	5216	5217	5208	5007	5016	5017	5008	2	-1	1
518	5216	5225	5226	5217	5016	5025	5026	5017	2	-1	1
519	5225	5234	5235	5226	5025	5034	5035	5026	2	-1	1
520	5234	5243	5244	5235	5034	5043	5044	5035	2	-1	1
521	5243	5252	5253	5244	5043	5052	5053	5044	2	-1	1
522	5252	5261	5262	5253	5052	5061	5062	5053	2	-1	1
523	5208	5217	5218	5209	5008	5017	5018	5009	2	-1	1
524	5217	5226	5227	5218	5017	5026	5027	5018	2	-1	1
525	5226	5235	5236	5227	5026	5035	5036	5027	2	-1	1
526	5235	5244	5245	5236	5035	5044	5045	5036	2	-1	1
527	5244	5253	5254	5245	5044	5053	5054	5045	2	-1	1
528	5253	5262	5263	5254	5053	5062	5063	5054	2	-1	1
529	5401	5410	5411	5402	5201	5210	5211	5202	2	-1	1
530	5410	5419	5420	5411	5210	5219	5220	5211	2	-1	1
531	5419	5428	5429	5420	5219	5228	5229	5220	2	-1	1
532	5428	5437	5438	5429	5228	5237	5238	5229	2	-1	1
533	5437	5446	5447	5438	5237	5246	5247	5238	2	-1	1
534	5446	5455	5456	5447	5246	5255	5256	5247	2	-1	1
535	5402	5411	5412	5403	5202	5211	5212	5203	2	-1	1
536	5411	5420	5421	5412	5211	5220	5221	5212	2	-1	1
537	5420	5429	5430	5421	5220	5229	5230	5221	2	-1	1
538	5429	5438	5439	5430	5229	5238	5239	5230	2	-1	1
539	5438	5447	5448	5439	5238	5247	5248	5239	2	-1	1
540	5447	5456	5457	5448	5247	5256	5257	5248	2	-1	1
541	5403	5412	5413	5404	5203	5212	5213	5204	2	-1	1
542	5412	5421	5422	5413	5212	5221	5222	5213	2	-1	1
543	5421	5430	5431	5422	5221	5230	5231	5222	2	-1	1
544	5430	5439	5440	5431	5230	5239	5240	5231	2	-1	1
545	5439	5448	5449	5440	5239	5248	5249	5240	2	-1	1
546	5448	5457	5458	5449	5248	5257	5258	5249	2	-1	1
547	5404	5413	5414	5405	5204	5213	5214	5205	2	-1	1
548	5413	5422	5423	5414	5213	5222	5223	5214	2	-1	1
549	5422	5431	5432	5423	5222	5231	5232	5223	2	-1	1
550	5431	5440	5441	5432	5231	5240	5241	5232	2	-1	1
551	5440	5449	5450	5441	5240	5249	5250	5241	2	-1	1
552	5449	5458	5459	5450	5249	5258	5259	5250	2	-1	1
553	5405	5414	5415	5406	5205	5214	5215	5206	2	-1	1
554	5414	5423	5424	5415	5214	5223	5224	5215	2	-1	1
555	5423	5432	5433	5424	5223	5232	5233	5224	2	-1	1
556	5432	5441	5442	5433	5232	5241	5242	5233	2	-1	1
557	5441	5450	5451	5442	5241	5250	5251	5242	2	-1	1
558	5450	5459	5460	5451	5250	5259	5260	5251	2	-1	1
559	5406	5415	5416	5407	5206	5215	5216	5207	2	-1	1
560	5415	5424	5425	5416	5215	5224	5225	5216	2	-1	1

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561	5424	5433	5434	5425	5224	5233	5234	5225	2	-1	1
562	5433	5442	5443	5434	5233	5242	5243	5234	2	-1	1
563	5442	5451	5452	5443	5242	5251	5252	5243	2	-1	1
564	5451	5460	5461	5452	5251	5260	5261	5252	2	-1	1
565	5407	5416	5417	5408	5207	5216	5217	5208	2	-1	1
566	5416	5425	5426	5417	5216	5225	5226	5217	2	-1	1
567	5425	5434	5435	5426	5225	5234	5235	5226	2	-1	1
568	5434	5443	5444	5435	5234	5243	5244	5235	2	-1	1
569	5443	5452	5453	5444	5243	5252	5253	5244	2	-1	1
570	5452	5461	5462	5453	5252	5261	5262	5253	2	-1	1
571	5408	5417	5418	5409	5208	5217	5218	5209	2	-1	1
572	5417	5426	5427	5418	5217	5226	5227	5218	2	-1	1
573	5426	5435	5436	5427	5226	5235	5236	5227	2	-1	1
574	5435	5444	5445	5436	5235	5244	5245	5236	2	-1	1
575	5444	5453	5454	5445	5244	5253	5254	5245	2	-1	1
576	5453	5462	5463	5454	5253	5262	5263	5254	2	-1	1
577	5601	5610	5611	5602	5401	5410	5411	5402	2	-1	1
578	5610	5619	5620	5611	5410	5419	5420	5411	2	-1	1
579	5619	5628	5629	5620	5419	5428	5429	5420	2	-1	1
580	5628	5637	5638	5629	5428	5437	5438	5429	2	-1	1
581	5637	5646	5647	5638	5437	5446	5447	5438	2	-1	1
582	5646	5655	5656	5647	5446	5455	5456	5447	2	-1	1
583	5602	5611	5612	5603	5402	5411	5412	5403	2	-1	1
584	5611	5620	5621	5612	5411	5420	5421	5412	2	-1	1
585	5620	5629	5630	5621	5420	5429	5430	5421	2	-1	1
586	5629	5638	5639	5630	5429	5438	5439	5430	2	-1	1
587	5638	5647	5648	5639	5438	5447	5448	5439	2	-1	1
588	5647	5656	5657	5648	5447	5456	5457	5448	2	-1	1
589	5603	5612	5613	5604	5403	5412	5413	5404	2	-1	1
590	5612	5621	5622	5613	5412	5421	5422	5413	2	-1	1
591	5621	5630	5631	5622	5421	5430	5431	5422	2	-1	1
592	5630	5639	5640	5631	5430	5439	5440	5431	2	-1	1
593	5639	5648	5649	5640	5439	5448	5449	5440	2	-1	1
594	5648	5657	5658	5649	5448	5457	5458	5449	2	-1	1
595	5604	5613	5614	5605	5404	5413	5414	5405	2	-1	1
596	5613	5622	5623	5614	5413	5422	5423	5414	2	-1	1
597	5622	5631	5632	5623	5422	5431	5432	5423	2	-1	1
598	5631	5640	5641	5632	5431	5440	5441	5432	2	-1	1
599	5640	5649	5650	5641	5440	5449	5450	5441	2	-1	1
600	5649	5658	5659	5650	5449	5458	5459	5450	2	-1	1
601	5605	5614	5615	5606	5405	5414	5415	5406	2	-1	1
602	5614	5623	5624	5615	5414	5423	5424	5415	2	-1	1
603	5623	5632	5633	5624	5423	5432	5433	5424	2	-1	1
604	5632	5641	5642	5633	5432	5441	5442	5433	2	-1	1
605	5641	5650	5651	5642	5441	5450	5451	5442	2	-1	1
606	5650	5659	5660	5651	5450	5459	5460	5451	2	-1	1
607	5606	5615	5616	5607	5406	5415	5416	5407	2	-1	1
608	5615	5624	5625	5616	5415	5424	5425	5416	2	-1	1
609	5624	5633	5634	5625	5424	5433	5434	5425	2	-1	1
610	5633	5642	5643	5634	5433	5442	5443	5434	2	-1	1
611	5642	5651	5652	5643	5442	5451	5452	5443	2	-1	1
612	5651	5660	5661	5652	5451	5460	5461	5452	2	-1	1
613	5607	5616	5617	5608	5407	5416	5417	5408	2	-1	1
614	5616	5625	5626	5617	5416	5425	5426	5417	2	-1	1
615	5625	5634	5635	5626	5425	5434	5435	5426	2	-1	1
616	5634	5643	5644	5635	5434	5443	5444	5435	2	-1	1
617	5643	5652	5653	5644	5443	5452	5453	5444	2	-1	1
618	5652	5661	5662	5653	5452	5461	5462	5453	2	-1	1
619	5608	5617	5618	5609	5408	5417	5418	5409	2	-1	1
620	5617	5626	5627	5618	5417	5426	5427	5418	2	-1	1
621	5626	5635	5636	5627	5426	5435	5436	5427	2	-1	1
622	5635	5644	5645	5636	5435	5444	5445	5436	2	-1	1
623	5644	5653	5654	5645	5444	5453	5454	5445	2	-1	1

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624	5653	5662	5663	5654	5453	5462	5463	5454	2	-1	1
625	5801	5810	5811	5802	5601	5610	5611	5602	2	-1	1
626	5810	5819	5820	5811	5610	5619	5620	5611	2	-1	1
627	5819	5828	5829	5820	5619	5628	5629	5620	2	-1	1
628	5828	5837	5838	5829	5628	5637	5638	5629	2	-1	1
629	5837	5846	5847	5838	5637	5646	5647	5638	2	-1	1
630	5846	5855	5856	5847	5646	5655	5656	5647	2	-1	1
631	5802	5811	5812	5803	5602	5611	5612	5603	2	-1	1
632	5811	5820	5821	5812	5611	5620	5621	5612	2	-1	1
633	5820	5829	5830	5821	5620	5629	5630	5621	2	-1	1
634	5829	5838	5839	5830	5629	5638	5639	5630	2	-1	1
635	5838	5847	5848	5839	5638	5647	5648	5639	2	-1	1
636	5847	5856	5857	5848	5647	5656	5657	5648	2	-1	1
637	5803	5812	5813	5804	5603	5612	5613	5604	2	-1	1
638	5812	5821	5822	5813	5612	5621	5622	5613	2	-1	1
639	5821	5830	5831	5822	5621	5630	5631	5622	2	-1	1
640	5830	5839	5840	5831	5630	5639	5640	5631	2	-1	1
641	5839	5848	5849	5840	5639	5648	5649	5640	2	-1	1
642	5848	5857	5858	5849	5648	5657	5658	5649	2	-1	1
643	5804	5813	5814	5805	5604	5613	5614	5605	2	-1	1
644	5813	5822	5823	5814	5613	5622	5623	5614	2	-1	1
645	5822	5831	5832	5823	5622	5631	5632	5623	2	-1	1
646	5831	5840	5841	5832	5631	5640	5641	5632	2	-1	1
647	5840	5849	5850	5841	5640	5649	5650	5641	2	-1	1
648	5849	5858	5859	5850	5649	5658	5659	5650	2	-1	1
649	5805	5814	5815	5806	5605	5614	5615	5606	2	-1	1
650	5814	5823	5824	5815	5614	5623	5624	5615	2	-1	1
651	5823	5832	5833	5824	5623	5632	5633	5624	2	-1	1
652	5832	5841	5842	5833	5632	5641	5642	5633	2	-1	1
653	5841	5850	5851	5842	5641	5650	5651	5642	2	-1	1
654	5850	5859	5860	5851	5650	5659	5660	5651	2	-1	1
655	5806	5815	5816	5807	5606	5615	5616	5607	2	-1	1
656	5815	5824	5825	5816	5615	5624	5625	5616	2	-1	1
657	5824	5833	5834	5825	5624	5633	5634	5625	2	-1	1
658	5833	5842	5843	5834	5633	5642	5643	5634	2	-1	1
659	5842	5851	5852	5843	5642	5651	5652	5643	2	-1	1
660	5851	5860	5861	5852	5651	5660	5661	5652	2	-1	1
661	5807	5816	5817	5808	5607	5616	5617	5608	2	-1	1
662	5816	5825	5826	5817	5616	5625	5626	5617	2	-1	1
663	5825	5834	5835	5826	5625	5634	5635	5626	2	-1	1
664	5834	5843	5844	5835	5634	5643	5644	5635	2	-1	1
665	5843	5852	5853	5844	5643	5652	5653	5644	2	-1	1
666	5852	5861	5862	5853	5652	5661	5662	5653	2	-1	1
667	5808	5817	5818	5809	5608	5617	5618	5609	2	-1	1
668	5817	5826	5827	5818	5617	5626	5627	5618	2	-1	1
669	5826	5835	5836	5827	5626	5635	5636	5627	2	-1	1
670	5835	5844	5845	5836	5635	5644	5645	5636	2	-1	1
671	5844	5853	5854	5845	5644	5653	5654	5645	2	-1	1
672	5853	5862	5863	5854	5653	5662	5663	5654	2	-1	1

3	48	1	-1
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SHELL (GR7, CB BASEMAT PLATE)

1	2.5344E+6	0.17	2.40	0.0700	0.0700
1	1393	1394	1421	1420	0
2	1394	1395	1422	1421	0
3	1395	1396	1423	1422	0
4	1396	1397	1424	1423	0
5	1397	1398	1425	1424	0
6	1398	1399	1426	1425	0
7	1399	1400	1427	1426	0
8	1400	1401	1402	1427	0
9	1420	1421	1428	1419	0
10	1421	1422	1429	1428	0
11	1422	1423	1430	1429	0

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12	1423	1424	1431	1430	0	1	0	3.00
13	1424	1425	1432	1431	0	1	0	3.00
14	1425	1426	1433	1432	0	1	0	3.00
15	1426	1427	1434	1433	0	1	0	3.00
16	1427	1402	1403	1434	0	1	0	3.00
17	1419	1428	1435	1418	0	1	0	3.00
18	1428	1429	1436	1435	0	1	0	3.00
19	1429	1430	1437	1436	0	1	0	3.00
20	1430	1431	1438	1437	0	1	0	3.00
21	1431	1432	1439	1438	0	1	0	3.00
22	1432	1433	1440	1439	0	1	0	3.00
23	1433	1434	1441	1440	0	1	0	3.00
24	1434	1403	1404	1441	0	1	0	3.00
25	1418	1435	1442	1417	0	1	0	3.00
26	1435	1436	1443	1442	0	1	0	3.00
27	1436	1437	1444	1443	0	1	0	3.00
28	1437	1438	1445	1444	0	1	0	3.00
29	1438	1439	1446	1445	0	1	0	3.00
30	1439	1440	1447	1446	0	1	0	3.00
31	1440	1441	1448	1447	0	1	0	3.00
32	1441	1404	1405	1448	0	1	0	3.00
33	1417	1442	1449	1416	0	1	0	3.00
34	1442	1443	1450	1449	0	1	0	3.00
35	1443	1444	1451	1450	0	1	0	3.00
36	1444	1445	1452	1451	0	1	0	3.00
37	1445	1446	1453	1452	0	1	0	3.00
38	1446	1447	1454	1453	0	1	0	3.00
39	1447	1448	1455	1454	0	1	0	3.00
40	1448	1405	1406	1455	0	1	0	3.00
41	1416	1449	1414	1415	0	1	0	3.00
42	1449	1450	1413	1414	0	1	0	3.00
43	1450	1451	1412	1413	0	1	0	3.00
44	1451	1452	1411	1412	0	1	0	3.00
45	1452	1453	1410	1411	0	1	0	3.00
46	1453	1454	1409	1410	0	1	0	3.00
47	1454	1455	1408	1409	0	1	0	3.00
48	1455	1406	1407	1408	0	1	0	3.00

3 112 1 -1

SHELL (GR8, CB EAST-WALL PLATE)

1	2.8335E+6	0.17	2.40	0.0700	0.0700			
1	1001	1002	1030	1029	0	1	0	0.90
2	1002	1003	1031	1030	0	1	0	0.90
3	1003	1004	1032	1031	0	1	0	0.90
4	1004	1005	1033	1032	0	1	0	0.90
5	1005	1006	1034	1033	0	1	0	0.90
6	1006	1007	1035	1034	0	1	0	0.90
7	1007	1008	1036	1035	0	1	0	0.90
8	1008	1009	1037	1036	0	1	0	0.90
9	1029	1030	1058	1057	0	1	0	0.90
10	1030	1031	1059	1058	0	1	0	0.90
11	1031	1032	1060	1059	0	1	0	0.90
12	1032	1033	1061	1060	0	1	0	0.90
13	1033	1034	1062	1061	0	1	0	0.90
14	1034	1035	1063	1062	0	1	0	0.90
15	1035	1036	1064	1063	0	1	0	0.90
16	1036	1037	1065	1064	0	1	0	0.90
17	1057	1058	1086	1085	0	1	0	0.90
18	1058	1059	1087	1086	0	1	0	0.90
19	1059	1060	1088	1087	0	1	0	0.90
20	1060	1061	1089	1088	0	1	0	0.90
21	1061	1062	1090	1089	0	1	0	0.90
22	1062	1063	1091	1090	0	1	0	0.90
23	1063	1064	1092	1091	0	1	0	0.90

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24	1064	1065	1093	1092	0	1	0	0.90
25	1085	1086	1114	1113	0	1	0	0.90
26	1086	1087	1115	1114	0	1	0	0.90
27	1087	1088	1116	1115	0	1	0	0.90
28	1088	1089	1117	1116	0	1	0	0.90
29	1089	1090	1118	1117	0	1	0	0.90
30	1090	1091	1119	1118	0	1	0	0.90
31	1091	1092	1120	1119	0	1	0	0.90
32	1092	1093	1121	1120	0	1	0	0.90
33	1113	1114	1142	1141	0	1	0	0.90
34	1114	1115	1143	1142	0	1	0	0.90
35	1115	1116	1144	1143	0	1	0	0.90
36	1116	1117	1145	1144	0	1	0	0.90
37	1117	1118	1146	1145	0	1	0	0.90
38	1118	1119	1147	1146	0	1	0	0.90
39	1119	1120	1148	1147	0	1	0	0.90
40	1120	1121	1149	1148	0	1	0	0.90
41	1141	1142	1170	1169	0	1	0	0.90
42	1142	1143	1171	1170	0	1	0	0.90
43	1143	1144	1172	1171	0	1	0	0.90
44	1144	1145	1173	1172	0	1	0	0.90
45	1145	1146	1174	1173	0	1	0	0.90
46	1146	1147	1175	1174	0	1	0	0.90
47	1147	1148	1176	1175	0	1	0	0.90
48	1148	1149	1177	1176	0	1	0	0.90
49	1169	1170	1198	1197	0	1	0	0.90
50	1170	1171	1199	1198	0	1	0	0.90
51	1171	1172	1200	1199	0	1	0	0.90
52	1172	1173	1201	1200	0	1	0	0.90
53	1173	1174	1202	1201	0	1	0	0.90
54	1174	1175	1203	1202	0	1	0	0.90
55	1175	1176	1204	1203	0	1	0	0.90
56	1176	1177	1205	1204	0	1	0	0.90
57	1197	1198	1226	1225	0	1	0	0.90
58	1198	1199	1227	1226	0	1	0	0.90
59	1199	1200	1228	1227	0	1	0	0.90
60	1200	1201	1229	1228	0	1	0	0.90
61	1201	1202	1230	1229	0	1	0	0.90
62	1202	1203	1231	1230	0	1	0	0.90
63	1203	1204	1232	1231	0	1	0	0.90
64	1204	1205	1233	1232	0	1	0	0.90
65	1225	1226	1254	1253	0	1	0	0.90
66	1226	1227	1255	1254	0	1	0	0.90
67	1227	1228	1256	1255	0	1	0	0.90
68	1228	1229	1257	1256	0	1	0	0.90
69	1229	1230	1258	1257	0	1	0	0.90
70	1230	1231	1259	1258	0	1	0	0.90
71	1231	1232	1260	1259	0	1	0	0.90
72	1232	1233	1261	1260	0	1	0	0.90
73	1253	1254	1282	1281	0	1	0	0.90
74	1254	1255	1283	1282	0	1	0	0.90
75	1255	1256	1284	1283	0	1	0	0.90
76	1256	1257	1285	1284	0	1	0	0.90
77	1257	1258	1286	1285	0	1	0	0.90
78	1258	1259	1287	1286	0	1	0	0.90
79	1259	1260	1288	1287	0	1	0	0.90
80	1260	1261	1289	1288	0	1	0	0.90
81	1281	1282	1310	1309	0	1	0	0.90
82	1282	1283	1311	1310	0	1	0	0.90
83	1283	1284	1312	1311	0	1	0	0.90
84	1284	1285	1313	1312	0	1	0	0.90
85	1285	1286	1314	1313	0	1	0	0.90
86	1286	1287	1315	1314	0	1	0	0.90

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87	1287	1288	1316	1315	0	1	0	0.90
88	1288	1289	1317	1316	0	1	0	0.90
89	1309	1310	1338	1337	0	1	0	5.95
90	1310	1311	1339	1338	0	1	0	5.95
91	1311	1312	1340	1339	0	1	0	5.95
92	1312	1313	1341	1340	0	1	0	5.95
93	1313	1314	1342	1341	0	1	0	5.95
94	1314	1315	1343	1342	0	1	0	5.95
95	1315	1316	1344	1343	0	1	0	5.95
96	1316	1317	1345	1344	0	1	0	5.95
97	1337	1338	1366	1365	0	1	0	5.95
98	1338	1339	1367	1366	0	1	0	5.95
99	1339	1340	1368	1367	0	1	0	5.95
100	1340	1341	1369	1368	0	1	0	5.95
101	1341	1342	1370	1369	0	1	0	5.95
102	1342	1343	1371	1370	0	1	0	5.95
103	1343	1344	1372	1371	0	1	0	5.95
104	1344	1345	1373	1372	0	1	0	5.95
105	1365	1366	1394	1393	0	1	0	5.95
106	1366	1367	1395	1394	0	1	0	5.95
107	1367	1368	1396	1395	0	1	0	5.95
108	1368	1369	1397	1396	0	1	0	5.95
109	1369	1370	1398	1397	0	1	0	5.95
110	1370	1371	1399	1398	0	1	0	5.95
111	1371	1372	1400	1399	0	1	0	5.95
112	1372	1373	1401	1400	0	1	0	5.95
3	112	1	-1					

## SHELL (GR9, CB WEST-WALL PLATE)

1	2.8335E+6	0.17	2.40	0.0700	0.0700			
1	1015	1016	1044	1043	0	1	0	0.90
2	1016	1017	1045	1044	0	1	0	0.90
3	1017	1018	1046	1045	0	1	0	0.90
4	1018	1019	1047	1046	0	1	0	0.90
5	1019	1020	1048	1047	0	1	0	0.90
6	1020	1021	1049	1048	0	1	0	0.90
7	1021	1022	1050	1049	0	1	0	0.90
8	1022	1023	1051	1050	0	1	0	0.90
9	1043	1044	1072	1071	0	1	0	0.90
10	1044	1045	1073	1072	0	1	0	0.90
11	1045	1046	1074	1073	0	1	0	0.90
12	1046	1047	1075	1074	0	1	0	0.90
13	1047	1048	1076	1075	0	1	0	0.90
14	1048	1049	1077	1076	0	1	0	0.90
15	1049	1050	1078	1077	0	1	0	0.90
16	1050	1051	1079	1078	0	1	0	0.90
17	1071	1072	1100	1099	0	1	0	0.90
18	1072	1073	1101	1100	0	1	0	0.90
19	1073	1074	1102	1101	0	1	0	0.90
20	1074	1075	1103	1102	0	1	0	0.90
21	1075	1076	1104	1103	0	1	0	0.90
22	1076	1077	1105	1104	0	1	0	0.90
23	1077	1078	1106	1105	0	1	0	0.90
24	1078	1079	1107	1106	0	1	0	0.90
25	1099	1100	1128	1127	0	1	0	0.90
26	1100	1101	1129	1128	0	1	0	0.90
27	1101	1102	1130	1129	0	1	0	0.90
28	1102	1103	1131	1130	0	1	0	0.90
29	1103	1104	1132	1131	0	1	0	0.90
30	1104	1105	1133	1132	0	1	0	0.90
31	1105	1106	1134	1133	0	1	0	0.90
32	1106	1107	1135	1134	0	1	0	0.90
33	1127	1128	1156	1155	0	1	0	0.90
34	1128	1129	1157	1156	0	1	0	0.90



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35	1129	1130	1158	1157	0	1	0	0.90
36	1130	1131	1159	1158	0	1	0	0.90
37	1131	1132	1160	1159	0	1	0	0.90
38	1132	1133	1161	1160	0	1	0	0.90
39	1133	1134	1162	1161	0	1	0	0.90
40	1134	1135	1163	1162	0	1	0	0.90
41	1155	1156	1184	1183	0	1	0	0.90
42	1156	1157	1185	1184	0	1	0	0.90
43	1157	1158	1186	1185	0	1	0	0.90
44	1158	1159	1187	1186	0	1	0	0.90
45	1159	1160	1188	1187	0	1	0	0.90
46	1160	1161	1189	1188	0	1	0	0.90
47	1161	1162	1190	1189	0	1	0	0.90
48	1162	1163	1191	1190	0	1	0	0.90
49	1183	1184	1212	1211	0	1	0	0.90
50	1184	1185	1213	1212	0	1	0	0.90
51	1185	1186	1214	1213	0	1	0	0.90
52	1186	1187	1215	1214	0	1	0	0.90
53	1187	1188	1216	1215	0	1	0	0.90
54	1188	1189	1217	1216	0	1	0	0.90
55	1189	1190	1218	1217	0	1	0	0.90
56	1190	1191	1219	1218	0	1	0	0.90
57	1211	1212	1240	1239	0	1	0	0.90
58	1212	1213	1241	1240	0	1	0	0.90
59	1213	1214	1242	1241	0	1	0	0.90
60	1214	1215	1243	1242	0	1	0	0.90
61	1215	1216	1244	1243	0	1	0	0.90
62	1216	1217	1245	1244	0	1	0	0.90
63	1217	1218	1246	1245	0	1	0	0.90
64	1218	1219	1247	1246	0	1	0	0.90
65	1239	1240	1268	1267	0	1	0	0.90
66	1240	1241	1269	1268	0	1	0	0.90
67	1241	1242	1270	1269	0	1	0	0.90
68	1242	1243	1271	1270	0	1	0	0.90
69	1243	1244	1272	1271	0	1	0	0.90
70	1244	1245	1273	1272	0	1	0	0.90
71	1245	1246	1274	1273	0	1	0	0.90
72	1246	1247	1275	1274	0	1	0	0.90
73	1267	1268	1296	1295	0	1	0	0.90
74	1268	1269	1297	1296	0	1	0	0.90
75	1269	1270	1298	1297	0	1	0	0.90
76	1270	1271	1299	1298	0	1	0	0.90
77	1271	1272	1300	1299	0	1	0	0.90
78	1272	1273	1301	1300	0	1	0	0.90
79	1273	1274	1302	1301	0	1	0	0.90
80	1274	1275	1303	1302	0	1	0	0.90
81	1295	1296	1324	1323	0	1	0	0.90
82	1296	1297	1325	1324	0	1	0	0.90
83	1297	1298	1326	1325	0	1	0	0.90
84	1298	1299	1327	1326	0	1	0	0.90
85	1299	1300	1328	1327	0	1	0	0.90
86	1300	1301	1329	1328	0	1	0	0.90
87	1301	1302	1330	1329	0	1	0	0.90
88	1302	1303	1331	1330	0	1	0	0.90
89	1323	1324	1352	1351	0	1	0	5.95
90	1324	1325	1353	1352	0	1	0	5.95
91	1325	1326	1354	1353	0	1	0	5.95
92	1326	1327	1355	1354	0	1	0	5.95
93	1327	1328	1356	1355	0	1	0	5.95
94	1328	1329	1357	1356	0	1	0	5.95
95	1329	1330	1358	1357	0	1	0	5.95
96	1330	1331	1359	1358	0	1	0	5.95
97	1351	1352	1380	1379	0	1	0	5.95

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98	1352	1353	1381	1380	0	1	0	5.95
99	1353	1354	1382	1381	0	1	0	5.95
100	1354	1355	1383	1382	0	1	0	5.95
101	1355	1356	1384	1383	0	1	0	5.95
102	1356	1357	1385	1384	0	1	0	5.95
103	1357	1358	1386	1385	0	1	0	5.95
104	1358	1359	1387	1386	0	1	0	5.95
105	1379	1380	1408	1407	0	1	0	5.95
106	1380	1381	1409	1408	0	1	0	5.95
107	1381	1382	1410	1409	0	1	0	5.95
108	1382	1383	1411	1410	0	1	0	5.95
109	1383	1384	1412	1411	0	1	0	5.95
110	1384	1385	1413	1412	0	1	0	5.95
111	1385	1386	1414	1413	0	1	0	5.95
112	1386	1387	1415	1414	0	1	0	5.95

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SHELL (GR10, CB SOUTH-WALL PLATE)

1	2.8335E+6	0.17	2.40	0.0700	0.0700			
1	1009	1010	1038	1037	0	1	0	0.90
2	1010	1011	1039	1038	0	1	0	0.90
3	1011	1012	1040	1039	0	1	0	0.90
4	1012	1013	1041	1040	0	1	0	0.90
5	1013	1014	1042	1041	0	1	0	0.90
6	1014	1015	1043	1042	0	1	0	0.90
7	1037	1038	1066	1065	0	1	0	0.90
8	1038	1039	1067	1066	0	1	0	0.90
9	1039	1040	1068	1067	0	1	0	0.90
10	1040	1041	1069	1068	0	1	0	0.90
11	1041	1042	1070	1069	0	1	0	0.90
12	1042	1043	1071	1070	0	1	0	0.90
13	1065	1066	1094	1093	0	1	0	0.90
14	1066	1067	1095	1094	0	1	0	0.90
15	1067	1068	1096	1095	0	1	0	0.90
16	1068	1069	1097	1096	0	1	0	0.90
17	1069	1070	1098	1097	0	1	0	0.90
18	1070	1071	1099	1098	0	1	0	0.90
19	1093	1094	1122	1121	0	1	0	0.90
20	1094	1095	1123	1122	0	1	0	0.90
21	1095	1096	1124	1123	0	1	0	0.90
22	1096	1097	1125	1124	0	1	0	0.90
23	1097	1098	1126	1125	0	1	0	0.90
24	1098	1099	1127	1126	0	1	0	0.90
25	1121	1122	1150	1149	0	1	0	0.90
26	1122	1123	1151	1150	0	1	0	0.90
27	1123	1124	1152	1151	0	1	0	0.90
28	1124	1125	1153	1152	0	1	0	0.90
29	1125	1126	1154	1153	0	1	0	0.90
30	1126	1127	1155	1154	0	1	0	0.90
31	1149	1150	1178	1177	0	1	0	0.90
32	1150	1151	1179	1178	0	1	0	0.90
33	1151	1152	1180	1179	0	1	0	0.90
34	1152	1153	1181	1180	0	1	0	0.90
35	1153	1154	1182	1181	0	1	0	0.90
36	1154	1155	1183	1182	0	1	0	0.90
37	1177	1178	1206	1205	0	1	0	0.90
38	1178	1179	1207	1206	0	1	0	0.90
39	1179	1180	1208	1207	0	1	0	0.90
40	1180	1181	1209	1208	0	1	0	0.90
41	1181	1182	1210	1209	0	1	0	0.90
42	1182	1183	1211	1210	0	1	0	0.90
43	1205	1206	1234	1233	0	1	0	0.90
44	1206	1207	1235	1234	0	1	0	0.90
45	1207	1208	1236	1235	0	1	0	0.90

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46	1208	1209	1237	1236	0	1	0	0.90
47	1209	1210	1238	1237	0	1	0	0.90
48	1210	1211	1239	1238	0	1	0	0.90
49	1233	1234	1262	1261	0	1	0	0.90
50	1234	1235	1263	1262	0	1	0	0.90
51	1235	1236	1264	1263	0	1	0	0.90
52	1236	1237	1265	1264	0	1	0	0.90
53	1237	1238	1266	1265	0	1	0	0.90
54	1238	1239	1267	1266	0	1	0	0.90
55	1261	1262	1290	1289	0	1	0	0.90
56	1262	1263	1291	1290	0	1	0	0.90
57	1263	1264	1292	1291	0	1	0	0.90
58	1264	1265	1293	1292	0	1	0	0.90
59	1265	1266	1294	1293	0	1	0	0.90
60	1266	1267	1295	1294	0	1	0	0.90
61	1289	1290	1318	1317	0	1	0	0.90
62	1290	1291	1319	1318	0	1	0	0.90
63	1291	1292	1320	1319	0	1	0	0.90
64	1292	1293	1321	1320	0	1	0	0.90
65	1293	1294	1322	1321	0	1	0	0.90
66	1294	1295	1323	1322	0	1	0	0.90
67	1317	1318	1346	1345	0	1	0	7.575
68	1318	1319	1347	1346	0	1	0	7.575
69	1319	1320	1348	1347	0	1	0	7.575
70	1320	1321	1349	1348	0	1	0	7.575
71	1321	1322	1350	1349	0	1	0	7.575
72	1322	1323	1351	1350	0	1	0	7.575
73	1345	1346	1374	1373	0	1	0	7.575
74	1346	1347	1375	1374	0	1	0	7.575
75	1347	1348	1376	1375	0	1	0	7.575
76	1348	1349	1377	1376	0	1	0	7.575
77	1349	1350	1378	1377	0	1	0	7.575
78	1350	1351	1379	1378	0	1	0	7.575
79	1373	1374	1402	1401	0	1	0	7.575
80	1374	1375	1403	1402	0	1	0	7.575
81	1375	1376	1404	1403	0	1	0	7.575
82	1376	1377	1405	1404	0	1	0	7.575
83	1377	1378	1406	1405	0	1	0	7.575
84	1378	1379	1407	1406	0	1	0	7.575

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SHELL (GR11, CB NORTH-WALL PLATE)

1	2.8335E+6	0.17	2.40	0.0700	0.0700			
1	1023	1024	1052	1051	0	1	0	0.90
2	1024	1025	1053	1052	0	1	0	0.90
3	1025	1026	1054	1053	0	1	0	0.90
4	1026	1027	1055	1054	0	1	0	0.90
5	1027	1028	1056	1055	0	1	0	0.90
6	1028	1001	1029	1056	0	1	0	0.90
7	1051	1052	1080	1079	0	1	0	0.90
8	1052	1053	1081	1080	0	1	0	0.90
9	1053	1054	1082	1081	0	1	0	0.90
10	1054	1055	1083	1082	0	1	0	0.90
11	1055	1056	1084	1083	0	1	0	0.90
12	1056	1029	1057	1084	0	1	0	0.90
13	1079	1080	1108	1107	0	1	0	0.90
14	1080	1081	1109	1108	0	1	0	0.90
15	1081	1082	1110	1109	0	1	0	0.90
16	1082	1083	1111	1110	0	1	0	0.90
17	1083	1084	1112	1111	0	1	0	0.90
18	1084	1057	1085	1112	0	1	0	0.90
19	1107	1108	1136	1135	0	1	0	0.90
20	1108	1109	1137	1136	0	1	0	0.90
21	1109	1110	1138	1137	0	1	0	0.90

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22	1110	1111	1139	1138	0	1	0	0.90
23	1111	1112	1140	1139	0	1	0	0.90
24	1112	1085	1113	1140	0	1	0	0.90
25	1135	1136	1164	1163	0	1	0	0.90
26	1136	1137	1165	1164	0	1	0	0.90
27	1137	1138	1166	1165	0	1	0	0.90
28	1138	1139	1167	1166	0	1	0	0.90
29	1139	1140	1168	1167	0	1	0	0.90
30	1140	1113	1141	1168	0	1	0	0.90
31	1163	1164	1192	1191	0	1	0	0.90
32	1164	1165	1193	1192	0	1	0	0.90
33	1165	1166	1194	1193	0	1	0	0.90
34	1166	1167	1195	1194	0	1	0	0.90
35	1167	1168	1196	1195	0	1	0	0.90
36	1168	1141	1169	1196	0	1	0	0.90
37	1191	1192	1220	1219	0	1	0	0.90
38	1192	1193	1221	1220	0	1	0	0.90
39	1193	1194	1222	1221	0	1	0	0.90
40	1194	1195	1223	1222	0	1	0	0.90
41	1195	1196	1224	1223	0	1	0	0.90
42	1196	1169	1197	1224	0	1	0	0.90
43	1219	1220	1248	1247	0	1	0	0.90
44	1220	1221	1249	1248	0	1	0	0.90
45	1221	1222	1250	1249	0	1	0	0.90
46	1222	1223	1251	1250	0	1	0	0.90
47	1223	1224	1252	1251	0	1	0	0.90
48	1224	1197	1225	1252	0	1	0	0.90
49	1247	1248	1276	1275	0	1	0	0.90
50	1248	1249	1277	1276	0	1	0	0.90
51	1249	1250	1278	1277	0	1	0	0.90
52	1250	1251	1279	1278	0	1	0	0.90
53	1251	1252	1280	1279	0	1	0	0.90
54	1252	1225	1253	1280	0	1	0	0.90
55	1275	1276	1304	1303	0	1	0	0.90
56	1276	1277	1305	1304	0	1	0	0.90
57	1277	1278	1306	1305	0	1	0	0.90
58	1278	1279	1307	1306	0	1	0	0.90
59	1279	1280	1308	1307	0	1	0	0.90
60	1280	1253	1281	1308	0	1	0	0.90
61	1303	1304	1332	1331	0	1	0	0.90
62	1304	1305	1333	1332	0	1	0	0.90
63	1305	1306	1334	1333	0	1	0	0.90
64	1306	1307	1335	1334	0	1	0	0.90
65	1307	1308	1336	1335	0	1	0	0.90
66	1308	1281	1309	1336	0	1	0	0.90
67	1331	1332	1360	1359	0	1	0	7.575
68	1332	1333	1361	1360	0	1	0	7.575
69	1333	1334	1362	1361	0	1	0	7.575
70	1334	1335	1363	1362	0	1	0	7.575
71	1335	1336	1364	1363	0	1	0	7.575
72	1336	1309	1337	1364	0	1	0	7.575
73	1359	1360	1388	1387	0	1	0	7.575
74	1360	1361	1389	1388	0	1	0	7.575
75	1361	1362	1390	1389	0	1	0	7.575
76	1362	1363	1391	1390	0	1	0	7.575
77	1363	1364	1392	1391	0	1	0	7.575
78	1364	1337	1365	1392	0	1	0	7.575
79	1387	1388	1416	1415	0	1	0	7.575
80	1388	1389	1417	1416	0	1	0	7.575
81	1389	1390	1418	1417	0	1	0	7.575
82	1390	1391	1419	1418	0	1	0	7.575
83	1391	1392	1420	1419	0	1	0	7.575
84	1392	1365	1393	1420	0	1	0	7.575

## SER-ESB-024-3.txt

BEAM

```

2      16      2      16      -1
(GR12, CB STICKS)
1 2.8335E+6      0.17      0.000      0.0700      0.0700
2 2.5344E+6      0.17      0.000      0.0700      0.0700
1      1.0      360.70      360.70      6156.6      2836.7      3448.7
2      1.0      1.0      19.80      1.0      45.25E+2      1.0
3      1.0      1.0      19.80      1.0      45.25E+2      1.0
4      1.0      1.0      1.0      1.0      1.0      1.0
5      1.0      1.0      1.0      1.0      1.0      1.0
6      1.0      54.28      42.16      162.24E+2      49.90E+2      91.06E+2
7      1.0      39.47      31.06      120.63E+2      31.98E+2      58.43E+2
8      1.0      39.47      31.06      120.63E+2      31.98E+2      58.43E+2
9      360.70      1.0      1.0      1.0      1.0      1.0
10     19.80      1.0      1.0      1.0      1.0      1.0
11     19.80      1.0      1.0      1.0      1.0      1.0
12     1.0      1.0      1.0      1.0      1.0      1.0
13     1.0      1.0      1.0      1.0      1.0      1.0
14     93.20      1.0      1.0      1.0      1.0      1.0
15     68.57      1.0      1.0      1.0      1.0      1.0
16     68.57      1.0      1.0      1.0      1.0      1.0

```

```

1 401 413 405 2 1
2 411 423 415 1 2
3 421 433 425 1 3
4 431 443 435 1 4
5 441 453 445 1 5
6 451 463 455 1 6
7 461 473 465 1 7
8 471 483 475 1 8
9 402 414 406 2 9
10 412 424 416 1 10
11 422 434 426 1 11
12 432 444 436 1 12
13 442 454 446 1 13
14 452 464 456 1 14
15 462 474 466 1 15
16 472 484 476 1 16

```

## SPRING (GR13, CB OSSILATOR)

```

1      0.0      0.0      3034.4e2      0.0      0.0      0.0      0.07
2      0.0      0.0      2258.5e2      0.0      0.0      0.0      0.07
3      0.0      0.0      602.75e2      0.0      0.0      0.0      0.07
4      0.0      0.0      1945.6e2      0.0      0.0      0.0      0.07
5      0.0      0.0      1631.2e2      0.0      0.0      0.0      0.07
6      8.75e6      5.73e6      0.0      0.0      0.0      0.0      0.07
7      0.0      0.0      4.98e5      0.0      0.0      0.0      0.07
8      0.0      0.0      1.79e6      0.0      0.0      0.0      0.07
9      0.0      0.0      8.55e5      0.0      0.0      0.0      0.07

```

```

1 480 901 1
2 480 902 2
3 480 903 3
4 480 904 4
5 480 905 5
6 480 906 6
7 480 907 7
8 460 907 8
9 430 908 9
2 131 1 1 -1

```

## (GR14, CB RIGID ARMS)

```

1 9.99E+8      0.17      0.0      0.0      0.0
1 999.9      999.9      999.9      9.99E+4      9.99E+4      9.99E+4
1 1001 1002 450 1 1
2 1002 1003 450 1 1
3 1003 1004 450 1 1

```

BEAM

SER-ESB-024-3.txt

4	1004	1005	450	1	1
5	1005	1006	450	1	1
6	1006	1007	450	1	1
7	1007	1008	450	1	1
8	1008	1009	450	1	1
9	1009	1010	450	1	1
10	1010	1011	450	1	1
11	1011	1012	450	1	1
12	1012	1013	450	1	1
13	1013	1014	450	1	1
14	1014	1015	450	1	1
15	1015	1016	450	1	1
16	1016	1017	450	1	1
17	1017	1018	450	1	1
18	1018	1019	450	1	1
19	1019	1020	450	1	1
20	1020	1021	450	1	1
21	1021	1022	450	1	1
22	1022	1023	450	1	1
23	1023	1024	450	1	1
24	1024	1025	450	1	1
25	1025	1026	450	1	1
26	1026	1027	450	1	1
27	1027	1028	450	1	1
28	1028	1001	450	1	1
29	450	1005	1001	1	1
30	450	1012	1001	1	1
31	450	1019	1001	1	1
32	450	1026	1001	1	1
33	1169	1170	430	1	1
34	1170	1171	430	1	1
35	1171	1172	430	1	1
36	1172	1173	430	1	1
37	1173	1174	430	1	1
38	1174	1175	430	1	1
39	1175	1176	430	1	1
40	1176	1177	430	1	1
41	1177	1178	430	1	1
42	1178	1179	430	1	1
43	1179	1180	430	1	1
44	1180	1181	430	1	1
45	1181	1182	430	1	1
46	1182	1183	430	1	1
47	1183	1184	430	1	1
48	1184	1185	430	1	1
49	1185	1186	430	1	1
50	1186	1187	430	1	1
51	1187	1188	430	1	1
52	1188	1189	430	1	1
53	1189	1190	430	1	1
54	1190	1191	430	1	1
55	1191	1192	430	1	1
56	1192	1193	430	1	1
57	1193	1194	430	1	1
58	1194	1195	430	1	1
59	1195	1196	430	1	1
60	1196	1169	430	1	1
61	430	1173	1169	1	1
62	430	1180	1169	1	1
63	430	1187	1169	1	1
64	430	1194	1169	1	1
65	1309	1310	410	1	1
66	1310	1311	410	1	1

SER-ESB-024-3.txt

67	1311	1312	410	1	1
68	1312	1313	410	1	1
69	1313	1314	410	1	1
70	1314	1315	410	1	1
71	1315	1316	410	1	1
72	1316	1317	410	1	1
73	1317	1318	410	1	1
74	1318	1319	410	1	1
75	1319	1320	410	1	1
76	1320	1321	410	1	1
77	1321	1322	410	1	1
78	1322	1323	410	1	1
79	1323	1324	410	1	1
80	1324	1325	410	1	1
81	1325	1326	410	1	1
82	1326	1327	410	1	1
83	1327	1328	410	1	1
84	1328	1329	410	1	1
85	1329	1330	410	1	1
86	1330	1331	410	1	1
87	1331	1332	410	1	1
88	1332	1333	410	1	1
89	1333	1334	410	1	1
90	1334	1335	410	1	1
91	1335	1336	410	1	1
92	1336	1309	410	1	1
93	410	1313	1309	1	1
94	410	1320	1309	1	1
95	410	1327	1309	1	1
96	410	1334	1309	1	1
97	480	481	485	1	1
98	480	482	485	1	1
99	480	483	485	1	1
100	480	484	485	1	1
101	470	471	475	1	1
102	470	472	475	1	1
103	470	473	475	1	1
104	470	474	475	1	1
105	460	461	465	1	1
106	460	462	465	1	1
107	460	463	465	1	1
108	460	464	465	1	1
109	450	451	455	1	1
110	450	452	455	1	1
111	450	453	455	1	1
112	450	454	455	1	1
113	440	441	445	1	1
114	440	442	445	1	1
115	440	443	445	1	1
116	440	444	445	1	1
117	430	431	435	1	1
118	430	432	435	1	1
119	430	433	435	1	1
120	430	434	435	1	1
121	420	421	425	1	1
122	420	422	425	1	1
123	420	423	425	1	1
124	420	424	425	1	1
125	410	411	415	1	1
126	410	412	415	1	1
127	410	413	415	1	1
128	410	414	415	1	1
129	400	401	405	1	1

## SER-ESB-024-3.txt

130	400	402	405	1	1				
131	400	1438	405	1	1				
7	455	2							
SPRING (GR15, SOIL-PLATE)									
1		9.9E+5	9.9E+5			9.9E+5	0.000E+00	0.000E+00	0.000E+00
2		9.9E+7	9.9E+7			9.9E+7	0.000E+00	0.000E+00	0.000E+00
1	1001	3001		1					
2	1002	3002		1					
3	1003	3003		1					
4	1004	3004		1					
5	1005	3005		1					
6	1006	3006		1					
7	1007	3007		1					
8	1008	3008		1					
9	1009	3009		1					
10	1010	3018		1					
11	1011	3027		1					
12	1012	3036		1					
13	1013	3045		1					
14	1014	3054		1					
15	1015	3063		1					
16	1016	3062		1					
17	1017	3061		1					
18	1018	3060		1					
19	1019	3059		1					
20	1020	3058		1					
21	1021	3057		1					
22	1022	3056		1					
23	1023	3055		1					
24	1024	3046		1					
25	1025	3037		1					
26	1026	3028		1					
27	1027	3019		1					
28	1028	3010		1					
29	1029	3201		1					
30	1030	3202		1					
31	1031	3203		1					
32	1032	3204		1					
33	1033	3205		1					
34	1034	3206		1					
35	1035	3207		1					
36	1036	3208		1					
37	1037	3209		1					
38	1038	3218		1					
39	1039	3227		1					
40	1040	3236		1					
41	1041	3245		1					
42	1042	3254		1					
43	1043	3263		1					
44	1044	3262		1					
45	1045	3261		1					
46	1046	3260		1					
47	1047	3259		1					
48	1048	3258		1					
49	1049	3257		1					
50	1050	3256		1					
51	1051	3255		1					
52	1052	3246		1					
53	1053	3237		1					
54	1054	3228		1					
55	1055	3219		1					
56	1056	3210		1					
57	1057	3401		1					



SER-ESB-024-3.txt

58	1058	3402	1
59	1059	3403	1
60	1060	3404	1
61	1061	3405	1
62	1062	3406	1
63	1063	3407	1
64	1064	3408	1
65	1065	3409	1
66	1066	3418	1
67	1067	3427	1
68	1068	3436	1
69	1069	3445	1
70	1070	3454	1
71	1071	3463	1
72	1072	3462	1
73	1073	3461	1
74	1074	3460	1
75	1075	3459	1
76	1076	3458	1
77	1077	3457	1
78	1078	3456	1
79	1079	3455	1
80	1080	3446	1
81	1081	3437	1
82	1082	3428	1
83	1083	3419	1
84	1084	3410	1
85	1085	3601	1
86	1086	3602	1
87	1087	3603	1
88	1088	3604	1
89	1089	3605	1
90	1090	3606	1
91	1091	3607	1
92	1092	3608	1
93	1093	3609	1
94	1094	3618	1
95	1095	3627	1
96	1096	3636	1
97	1097	3645	1
98	1098	3654	1
99	1099	3663	1
100	1100	3662	1
101	1101	3661	1
102	1102	3660	1
103	1103	3659	1
104	1104	3658	1
105	1105	3657	1
106	1106	3656	1
107	1107	3655	1
108	1108	3646	1
109	1109	3637	1
110	1110	3628	1
111	1111	3619	1
112	1112	3610	1
113	1113	3801	1
114	1114	3802	1
115	1115	3803	1
116	1116	3804	1
117	1117	3805	1
118	1118	3806	1
119	1119	3807	1
120	1120	3808	1

SER-ESB-024-3.txt

121	1121	3809	1
122	1122	3818	1
123	1123	3827	1
124	1124	3836	1
125	1125	3845	1
126	1126	3854	1
127	1127	3863	1
128	1128	3862	1
129	1129	3861	1
130	1130	3860	1
131	1131	3859	1
132	1132	3858	1
133	1133	3857	1
134	1134	3856	1
135	1135	3855	1
136	1136	3846	1
137	1137	3837	1
138	1138	3828	1
139	1139	3819	1
140	1140	3810	1
141	1141	4001	1
142	1142	4002	1
143	1143	4003	1
144	1144	4004	1
145	1145	4005	1
146	1146	4006	1
147	1147	4007	1
148	1148	4008	1
149	1149	4009	1
150	1150	4018	1
151	1151	4027	1
152	1152	4036	1
153	1153	4045	1
154	1154	4054	1
155	1155	4063	1
156	1156	4062	1
157	1157	4061	1
158	1158	4060	1
159	1159	4059	1
160	1160	4058	1
161	1161	4057	1
162	1162	4056	1
163	1163	4055	1
164	1164	4046	1
165	1165	4037	1
166	1166	4028	1
167	1167	4019	1
168	1168	4010	1
169	1169	4201	1
170	1170	4202	1
171	1171	4203	1
172	1172	4204	1
173	1173	4205	1
174	1174	4206	1
175	1175	4207	1
176	1176	4208	1
177	1177	4209	1
178	1178	4218	1
179	1179	4227	1
180	1180	4236	1
181	1181	4245	1
182	1182	4254	1
183	1183	4263	1

SER-ESB-024-3.txt

184	1184	4262	1
185	1185	4261	1
186	1186	4260	1
187	1187	4259	1
188	1188	4258	1
189	1189	4257	1
190	1190	4256	1
191	1191	4255	1
192	1192	4246	1
193	1193	4237	1
194	1194	4228	1
195	1195	4219	1
196	1196	4210	1
197	1197	4401	1
198	1198	4402	1
199	1199	4403	1
200	1200	4404	1
201	1201	4405	1
202	1202	4406	1
203	1203	4407	1
204	1204	4408	1
205	1205	4409	1
206	1206	4418	1
207	1207	4427	1
208	1208	4436	1
209	1209	4445	1
210	1210	4454	1
211	1211	4463	1
212	1212	4462	1
213	1213	4461	1
214	1214	4460	1
215	1215	4459	1
216	1216	4458	1
217	1217	4457	1
218	1218	4456	1
219	1219	4455	1
220	1220	4446	1
221	1221	4437	1
222	1222	4428	1
223	1223	4419	1
224	1224	4410	1
225	1225	4601	1
226	1226	4602	1
227	1227	4603	1
228	1228	4604	1
229	1229	4605	1
230	1230	4606	1
231	1231	4607	1
232	1232	4608	1
233	1233	4609	1
234	1234	4618	1
235	1235	4627	1
236	1236	4636	1
237	1237	4645	1
238	1238	4654	1
239	1239	4663	1
240	1240	4662	1
241	1241	4661	1
242	1242	4660	1
243	1243	4659	1
244	1244	4658	1
245	1245	4657	1
246	1246	4656	1

SER-ESB-024-3.txt

247	1247	4655	1
248	1248	4646	1
249	1249	4637	1
250	1250	4628	1
251	1251	4619	1
252	1252	4610	1
253	1253	4801	1
254	1254	4802	1
255	1255	4803	1
256	1256	4804	1
257	1257	4805	1
258	1258	4806	1
259	1259	4807	1
260	1260	4808	1
261	1261	4809	1
262	1262	4818	1
263	1263	4827	1
264	1264	4836	1
265	1265	4845	1
266	1266	4854	1
267	1267	4863	1
268	1268	4862	1
269	1269	4861	1
270	1270	4860	1
271	1271	4859	1
272	1272	4858	1
273	1273	4857	1
274	1274	4856	1
275	1275	4855	1
276	1276	4846	1
277	1277	4837	1
278	1278	4828	1
279	1279	4819	1
280	1280	4810	1
281	1281	5001	1
282	1282	5002	1
283	1283	5003	1
284	1284	5004	1
285	1285	5005	1
286	1286	5006	1
287	1287	5007	1
288	1288	5008	1
289	1289	5009	1
290	1290	5018	1
291	1291	5027	1
292	1292	5036	1
293	1293	5045	1
294	1294	5054	1
295	1295	5063	1
296	1296	5062	1
297	1297	5061	1
298	1298	5060	1
299	1299	5059	1
300	1300	5058	1
301	1301	5057	1
302	1302	5056	1
303	1303	5055	1
304	1304	5046	1
305	1305	5037	1
306	1306	5028	1
307	1307	5019	1
308	1308	5010	1
309	1309	5201	1

SER-ESB-024-3.txt

310	1310	5202	1
311	1311	5203	1
312	1312	5204	1
313	1313	5205	1
314	1314	5206	1
315	1315	5207	1
316	1316	5208	1
317	1317	5209	1
318	1318	5218	1
319	1319	5227	1
320	1320	5236	1
321	1321	5245	1
322	1322	5254	1
323	1323	5263	1
324	1324	5262	1
325	1325	5261	1
326	1326	5260	1
327	1327	5259	1
328	1328	5258	1
329	1329	5257	1
330	1330	5256	1
331	1331	5255	1
332	1332	5246	1
333	1333	5237	1
334	1334	5228	1
335	1335	5219	1
336	1336	5210	1
337	1337	5401	1
338	1338	5402	1
339	1339	5403	1
340	1340	5404	1
341	1341	5405	1
342	1342	5406	1
343	1343	5407	1
344	1344	5408	1
345	1345	5409	1
346	1346	5418	1
347	1347	5427	1
348	1348	5436	1
349	1349	5445	1
350	1350	5454	1
351	1351	5463	1
352	1352	5462	1
353	1353	5461	1
354	1354	5460	1
355	1355	5459	1
356	1356	5458	1
357	1357	5457	1
358	1358	5456	1
359	1359	5455	1
360	1360	5446	1
361	1361	5437	1
362	1362	5428	1
363	1363	5419	1
364	1364	5410	1
365	1365	5601	1
366	1366	5602	1
367	1367	5603	1
368	1368	5604	1
369	1369	5605	1
370	1370	5606	1
371	1371	5607	1
372	1372	5608	1

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373	1373	5609	1
374	1374	5618	1
375	1375	5627	1
376	1376	5636	1
377	1377	5645	1
378	1378	5654	1
379	1379	5663	1
380	1380	5662	1
381	1381	5661	1
382	1382	5660	1
383	1383	5659	1
384	1384	5658	1
385	1385	5657	1
386	1386	5656	1
387	1387	5655	1
388	1388	5646	1
389	1389	5637	1
390	1390	5628	1
391	1391	5619	1
392	1392	5610	1
393	1393	5801	2
394	1394	5802	2
395	1395	5803	2
396	1396	5804	2
397	1397	5805	2
398	1398	5806	2
399	1399	5807	2
400	1400	5808	2
401	1401	5809	2
402	1402	5818	2
403	1403	5827	2
404	1404	5836	2
405	1405	5845	2
406	1406	5854	2
407	1407	5863	2
408	1408	5862	2
409	1409	5861	2
410	1410	5860	2
411	1411	5859	2
412	1412	5858	2
413	1413	5857	2
414	1414	5856	2
415	1415	5855	2
416	1416	5846	2
417	1417	5837	2
418	1418	5828	2
419	1419	5819	2
420	1420	5810	2
421	1421	5811	2
422	1422	5812	2
423	1423	5813	2
424	1424	5814	2
425	1425	5815	2
426	1426	5816	2
427	1427	5817	2
428	1428	5820	2
429	1429	5821	2
430	1430	5822	2
431	1431	5823	2
432	1432	5824	2
433	1433	5825	2
434	1434	5826	2
435	1435	5829	2

SER-ESB-024-3.txt

436	1436	5830	2						
437	1437	5831	2						
438	1438	5832	2						
439	1439	5833	2						
440	1440	5834	2						
441	1441	5835	2						
442	1442	5838	2						
443	1443	5839	2						
444	1444	5840	2						
445	1445	5841	2						
446	1446	5842	2						
447	1447	5843	2						
448	1448	5844	2						
449	1449	5847	2						
450	1450	5848	2						
451	1451	5849	2						
452	1452	5850	2						
453	1453	5851	2						
454	1454	5852	2						
455	1455	5853	2						
400	1		0.0	0.0	0.0	0.0	0.0	0.0	CB
FLOOR	MASS								
410	1	397.6	397.6	397.6	2.9E+4	4.7E+4	7.5E+4		
420	1	34.1	34.1	34.1	0.0	0.0	0.0		
430	1	2011.9	2011.9	1862.6	9.7E+4	15.7E+4	25.5E+4		
440	1	40.8	40.8	40.8	0.0	0.0	0.0		
450	1	0.0	0.0	0.0	0.0	0.0	0.0		
460	1	2518.9	2518.9	2256.2	15.4E+4	24.3E+4	39.6E+4		
470	1	619.8	619.8	619.8	0.0	0.0	0.0		
480	1	2249.2	2249.2	2184.2	19.4E+4	30.9E+4	50.2E+4		
490	1	1149.6	1149.6	0.0	0.0	0.0	0.0		
901	1	0.0	0.0	745.26	0.0	0.0	0.0		CB
OSCILLATORS	MASS								
902	1	0.0	0.0	255.06	0.0	0.0	0.0		
903	1	0.0	0.0	34.659	0.0	0.0	0.0		
904	1	0.0	0.0	69.317	0.0	0.0	0.0		
905	1	0.0	0.0	39.450	0.0	0.0	0.0		
906	1	0.0	0.0	70.9	0.0	0.0	0.0		
907	1	0.0	0.0	262.7	0.0	0.0	0.0		
908	1	0.0	0.0	149.4	0.0	0.0	0.0		
0									

SER-ESB-024-4.txt									
1	1	3D	CONTROL-BLDG	SASSI	MODEL				
5863	455	10	14	10	0	3	3		MASTER
	9.810								
	4.500								
1	1	1	1	1	1	1	0.00	0.00	0.00
399	1	1	1	1	1	1	0.00	0.00	0.00
400	0	0	0	0	0	0	23.36	70.37	-10.40
401	0	0	0	0	0	0	23.50	70.60	-10.40
402	0	0	0	0	0	0	23.50	70.60	-10.40
403	1	1	1	1	1	1	0.00	0.00	0.00
404	1	1	1	1	1	1	0.00	0.00	0.00
405	1	1	1	1	1	1	99.99	70.60	-10.40
406	1	1	1	1	1	1	99.99	70.60	-10.40
407	1	1	1	1	1	1	0.00	0.00	0.00
408	1	1	1	1	1	1	0.00	0.00	0.00
409	1	1	1	1	1	1	0.00	0.00	0.00
410	0	0	0	0	0	0	23.43	70.41	-7.40
411	0	0	0	0	0	0	23.50	73.85	-7.40
412	0	0	0	0	0	0	23.50	70.60	-7.40
413	0	0	0	0	0	0	23.50	70.60	-7.40
414	0	0	0	0	0	0	23.50	70.60	-7.40
415	1	1	1	1	1	1	99.99	73.85	-7.40
416	1	1	1	1	1	1	99.99	70.60	-7.40
417	1	1	1	1	1	1	0.00	0.00	0.00
418	1	1	1	1	1	1	0.00	0.00	0.00
419	1	1	1	1	1	1	0.00	0.00	0.00
420	0	0	0	0	0	0	23.43	70.41	-4.70
421	0	0	0	0	0	0	23.50	73.85	-4.70
422	0	0	0	0	0	0	23.50	70.60	-4.70
423	0	0	0	0	0	0	23.50	73.85	-4.70
424	0	0	0	0	0	0	23.50	70.60	-4.70
425	1	1	1	1	1	1	99.99	73.85	-4.70
426	1	1	1	1	1	1	99.99	70.60	-4.70
427	1	1	1	1	1	1	0.00	0.00	0.00
428	1	1	1	1	1	1	0.00	0.00	0.00
429	1	1	1	1	1	1	0.00	0.00	0.00
430	0	0	0	0	0	0	23.22	69.98	-2.00
431	0	0	0	0	0	0	23.50	73.85	-2.00
432	0	0	0	0	0	0	23.50	70.60	-2.00
433	0	0	0	0	0	0	23.50	73.85	-2.00
434	0	0	0	0	0	0	23.50	70.60	-2.00
435	1	1	1	1	1	1	99.99	73.85	-2.00
436	1	1	1	1	1	1	99.99	70.60	-2.00
437	1	1	1	1	1	1	0.00	0.00	0.00
438	1	1	1	1	1	1	0.00	0.00	0.00
439	1	1	1	1	1	1	0.00	0.00	0.00
440	0	0	0	0	0	0	23.22	69.98	1.325
441	0	0	0	0	0	0	23.50	73.85	1.325
442	0	0	0	0	0	0	23.50	70.60	1.325
443	0	0	0	0	0	0	23.50	73.85	1.325
444	0	0	0	0	0	0	23.50	70.60	1.325
445	1	1	1	1	1	1	99.99	73.85	1.325
446	1	1	1	1	1	1	99.99	70.60	1.325
447	1	1	1	1	1	1	0.00	0.00	0.00
448	1	1	1	1	1	1	0.00	0.00	0.00
449	1	1	1	1	1	1	0.00	0.00	0.00
450	0	0	0	0	0	0	23.31	70.15	4.50
451	0	0	0	0	0	0	23.74	70.66	4.50
452	0	0	0	0	0	0	23.60	70.63	4.50
453	0	0	0	0	0	0	23.50	73.85	4.50
454	0	0	0	0	0	0	23.50	70.60	4.50
455	1	1	1	1	1	1	99.99	70.66	4.50

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NODES



							SER-ESB-024-4.txt		
456	1	1	1	1	1	1	99.99	70.63	4.50
457	1	1	1	1	1	1	0.00	0.00	0.00
458	1	1	1	1	1	1	0.00	0.00	0.00
459	1	1	1	1	1	1	0.00	0.00	0.00
460	0	0	0	0	0	0	23.31	70.15	4.65
461	0	0	0	0	0	0	23.94	70.60	4.65
462	0	0	0	0	0	0	23.69	70.60	4.65
463	0	0	0	0	0	0	23.74	70.66	4.65
464	0	0	0	0	0	0	23.60	70.63	4.65
465	1	1	1	1	1	1	99.99	70.60	4.65
466	1	1	1	1	1	1	99.99	70.60	4.65
467	1	1	1	1	1	1	0.00	0.00	0.00
468	1	1	1	1	1	1	0.00	0.00	0.00
469	1	1	1	1	1	1	0.00	0.00	0.00
470	0	0	0	0	0	0	23.31	70.15	6.855
471	0	0	0	0	0	0	23.94	70.60	6.855
472	0	0	0	0	0	0	23.69	70.60	6.855
473	0	0	0	0	0	0	23.94	70.60	6.855
474	0	0	0	0	0	0	23.69	70.60	6.855
475	1	1	1	1	1	1	99.99	70.60	6.855
476	1	1	1	1	1	1	99.99	70.60	6.855
477	1	1	1	1	1	1	0.00	0.00	0.00
478	1	1	1	1	1	1	0.00	0.00	0.00
479	1	1	1	1	1	1	0.00	0.00	0.00
480	0	0	0	0	0	0	23.42	70.48	9.06
481	0	0	0	0	0	0	23.42	82.50	9.06
482	0	0	0	0	0	0	38.65	70.48	9.06
483	0	0	0	0	0	0	23.94	70.60	9.06
484	0	0	0	0	0	0	23.69	70.60	9.06
485	1	1	1	1	1	1	99.99	70.60	9.06
486	1	1	1	1	1	1	0.00	0.00	0.00
487	1	1	1	1	1	1	0.00	0.00	0.00
488	1	1	1	1	1	1	0.00	0.00	0.00
489	1	1	1	1	1	1	0.00	0.00	0.00
490	0	0	1	1	1	1	23.42	70.48	13.50
491	1	1	1	1	1	1	0.00	0.00	0.00
900	1	1	1	1	1	1	0.00	0.00	0.00
901	1	1	1	1	1	1	23.42	70.48	9.06
902	1	1	1	1	1	1	23.42	70.48	9.06
903	1	1	1	1	1	1	23.42	70.48	9.06
904	1	1	1	1	1	1	23.42	70.48	9.06
905	1	1	1	1	1	1	23.42	70.48	9.06
906	1	1	1	1	1	1	23.42	70.48	9.06
907	1	1	1	1	1	1	23.31	70.15	4.65
908	1	1	1	1	1	1	23.22	69.98	-2.00
909	1	1	1	1	1	1	0.00	0.00	0.00
1000	1	1	1	1	1	1	0.00	0.00	0.00
1001	0	0	0	0	0	0	8.35	82.50	4.50
1002	0	0	0	0	0	0	12.16	82.50	4.50
1003	0	0	0	0	0	0	15.94	82.50	4.50
1004	0	0	0	0	0	0	19.72	82.50	4.50
1005	0	0	0	0	0	0	23.50	82.50	4.50
1006	0	0	0	0	0	0	27.28	82.50	4.50
1007	0	0	0	0	0	0	31.06	82.50	4.50
1008	0	0	0	0	0	0	34.84	82.50	4.50
1009	0	0	0	0	0	0	38.65	82.50	4.50
1010	0	0	0	0	0	0	38.65	78.54	4.50
1011	0	0	0	0	0	0	38.65	74.57	4.50
1012	0	0	0	0	0	0	38.65	70.60	4.50
1013	0	0	0	0	0	0	38.65	66.63	4.50
1014	0	0	0	0	0	0	38.65	62.66	4.50
1015	0	0	0	0	0	0	38.65	58.70	4.50
1016	0	0	0	0	0	0	34.84	58.70	4.50

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1017	0	0	0	0	0	0	31.06	58.70	4.50
1018	0	0	0	0	0	0	27.28	58.70	4.50
1019	0	0	0	0	0	0	23.50	58.70	4.50
1020	0	0	0	0	0	0	19.72	58.70	4.50
1021	0	0	0	0	0	0	15.94	58.70	4.50
1022	0	0	0	0	0	0	12.16	58.70	4.50
1023	0	0	0	0	0	0	8.35	58.70	4.50
1024	0	0	0	0	0	0	8.35	62.66	4.50
1025	0	0	0	0	0	0	8.35	66.63	4.50
1026	0	0	0	0	0	0	8.35	70.60	4.50
1027	0	0	0	0	0	0	8.35	74.57	4.50
1028	0	0	0	0	0	0	8.35	78.54	4.50
1029	0	0	0	0	0	0	8.35	82.50	3.40
1030	0	0	0	0	0	0	12.16	82.50	3.40
1031	0	0	0	0	0	0	15.94	82.50	3.40
1032	0	0	0	0	0	0	19.72	82.50	3.40
1033	0	0	0	0	0	0	23.50	82.50	3.40
1034	0	0	0	0	0	0	27.28	82.50	3.40
1035	0	0	0	0	0	0	31.06	82.50	3.40
1036	0	0	0	0	0	0	34.84	82.50	3.40
1037	0	0	0	0	0	0	38.65	82.50	3.40
1038	0	0	0	0	0	0	38.65	78.54	3.40
1039	0	0	0	0	0	0	38.65	74.57	3.40
1040	0	0	0	0	0	0	38.65	70.60	3.40
1041	0	0	0	0	0	0	38.65	66.63	3.40
1042	0	0	0	0	0	0	38.65	62.66	3.40
1043	0	0	0	0	0	0	38.65	58.70	3.40
1044	0	0	0	0	0	0	34.84	58.70	3.40
1045	0	0	0	0	0	0	31.06	58.70	3.40
1046	0	0	0	0	0	0	27.28	58.70	3.40
1047	0	0	0	0	0	0	23.50	58.70	3.40
1048	0	0	0	0	0	0	19.72	58.70	3.40
1049	0	0	0	0	0	0	15.94	58.70	3.40
1050	0	0	0	0	0	0	12.16	58.70	3.40
1051	0	0	0	0	0	0	8.35	58.70	3.40
1052	0	0	0	0	0	0	8.35	62.66	3.40
1053	0	0	0	0	0	0	8.35	66.63	3.40
1054	0	0	0	0	0	0	8.35	70.60	3.40
1055	0	0	0	0	0	0	8.35	74.57	3.40
1056	0	0	0	0	0	0	8.35	78.54	3.40
1057	0	0	0	0	0	0	8.35	82.50	2.30
1058	0	0	0	0	0	0	12.16	82.50	2.30
1059	0	0	0	0	0	0	15.94	82.50	2.30
1060	0	0	0	0	0	0	19.72	82.50	2.30
1061	0	0	0	0	0	0	23.50	82.50	2.30
1062	0	0	0	0	0	0	27.28	82.50	2.30
1063	0	0	0	0	0	0	31.06	82.50	2.30
1064	0	0	0	0	0	0	34.84	82.50	2.30
1065	0	0	0	0	0	0	38.65	82.50	2.30
1066	0	0	0	0	0	0	38.65	78.54	2.30
1067	0	0	0	0	0	0	38.65	74.57	2.30
1068	0	0	0	0	0	0	38.65	70.60	2.30
1069	0	0	0	0	0	0	38.65	66.63	2.30
1070	0	0	0	0	0	0	38.65	62.66	2.30
1071	0	0	0	0	0	0	38.65	58.70	2.30
1072	0	0	0	0	0	0	34.84	58.70	2.30
1073	0	0	0	0	0	0	31.06	58.70	2.30
1074	0	0	0	0	0	0	27.28	58.70	2.30
1075	0	0	0	0	0	0	23.50	58.70	2.30
1076	0	0	0	0	0	0	19.72	58.70	2.30
1077	0	0	0	0	0	0	15.94	58.70	2.30
1078	0	0	0	0	0	0	12.16	58.70	2.30
1079	0	0	0	0	0	0	8.35	58.70	2.30

## SER-ESB-024-4.txt

1080	0	0	0	0	0	0	8.35	62.66	2.30
1081	0	0	0	0	0	0	8.35	66.63	2.30
1082	0	0	0	0	0	0	8.35	70.60	2.30
1083	0	0	0	0	0	0	8.35	74.57	2.30
1084	0	0	0	0	0	0	8.35	78.54	2.30
1085	0	0	0	0	0	0	8.35	82.50	1.20
1086	0	0	0	0	0	0	12.16	82.50	1.20
1087	0	0	0	0	0	0	15.94	82.50	1.20
1088	0	0	0	0	0	0	19.72	82.50	1.20
1089	0	0	0	0	0	0	23.50	82.50	1.20
1090	0	0	0	0	0	0	27.28	82.50	1.20
1091	0	0	0	0	0	0	31.06	82.50	1.20
1092	0	0	0	0	0	0	34.84	82.50	1.20
1093	0	0	0	0	0	0	38.65	82.50	1.20
1094	0	0	0	0	0	0	38.65	78.54	1.20
1095	0	0	0	0	0	0	38.65	74.57	1.20
1096	0	0	0	0	0	0	38.65	70.60	1.20
1097	0	0	0	0	0	0	38.65	66.63	1.20
1098	0	0	0	0	0	0	38.65	62.66	1.20
1099	0	0	0	0	0	0	38.65	58.70	1.20
1100	0	0	0	0	0	0	34.84	58.70	1.20
1101	0	0	0	0	0	0	31.06	58.70	1.20
1102	0	0	0	0	0	0	27.28	58.70	1.20
1103	0	0	0	0	0	0	23.50	58.70	1.20
1104	0	0	0	0	0	0	19.72	58.70	1.20
1105	0	0	0	0	0	0	15.94	58.70	1.20
1106	0	0	0	0	0	0	12.16	58.70	1.20
1107	0	0	0	0	0	0	8.35	58.70	1.20
1108	0	0	0	0	0	0	8.35	62.66	1.20
1109	0	0	0	0	0	0	8.35	66.63	1.20
1110	0	0	0	0	0	0	8.35	70.60	1.20
1111	0	0	0	0	0	0	8.35	74.57	1.20
1112	0	0	0	0	0	0	8.35	78.54	1.20
1113	0	0	0	0	0	0	8.35	82.50	0.10
1114	0	0	0	0	0	0	12.16	82.50	0.10
1115	0	0	0	0	0	0	15.94	82.50	0.10
1116	0	0	0	0	0	0	19.72	82.50	0.10
1117	0	0	0	0	0	0	23.50	82.50	0.10
1118	0	0	0	0	0	0	27.28	82.50	0.10
1119	0	0	0	0	0	0	31.06	82.50	0.10
1120	0	0	0	0	0	0	34.84	82.50	0.10
1121	0	0	0	0	0	0	38.65	82.50	0.10
1122	0	0	0	0	0	0	38.65	78.54	0.10
1123	0	0	0	0	0	0	38.65	74.57	0.10
1124	0	0	0	0	0	0	38.65	70.60	0.10
1125	0	0	0	0	0	0	38.65	66.63	0.10
1126	0	0	0	0	0	0	38.65	62.66	0.10
1127	0	0	0	0	0	0	38.65	58.70	0.10
1128	0	0	0	0	0	0	34.84	58.70	0.10
1129	0	0	0	0	0	0	31.06	58.70	0.10
1130	0	0	0	0	0	0	27.28	58.70	0.10
1131	0	0	0	0	0	0	23.50	58.70	0.10
1132	0	0	0	0	0	0	19.72	58.70	0.10
1133	0	0	0	0	0	0	15.94	58.70	0.10
1134	0	0	0	0	0	0	12.16	58.70	0.10
1135	0	0	0	0	0	0	8.35	58.70	0.10
1136	0	0	0	0	0	0	8.35	62.66	0.10
1137	0	0	0	0	0	0	8.35	66.63	0.10
1138	0	0	0	0	0	0	8.35	70.60	0.10
1139	0	0	0	0	0	0	8.35	74.57	0.10
1140	0	0	0	0	0	0	8.35	78.54	0.10
1141	0	0	0	0	0	0	8.35	82.50	-1.00
1142	0	0	0	0	0	0	12.16	82.50	-1.00

							SER-ESB-024-4.txt		
1143	0	0	0	0	0	0	15.94	82.50	-1.00
1144	0	0	0	0	0	0	19.72	82.50	-1.00
1145	0	0	0	0	0	0	23.50	82.50	-1.00
1146	0	0	0	0	0	0	27.28	82.50	-1.00
1147	0	0	0	0	0	0	31.06	82.50	-1.00
1148	0	0	0	0	0	0	34.84	82.50	-1.00
1149	0	0	0	0	0	0	38.65	82.50	-1.00
1150	0	0	0	0	0	0	38.65	78.54	-1.00
1151	0	0	0	0	0	0	38.65	74.57	-1.00
1152	0	0	0	0	0	0	38.65	70.60	-1.00
1153	0	0	0	0	0	0	38.65	66.63	-1.00
1154	0	0	0	0	0	0	38.65	62.66	-1.00
1155	0	0	0	0	0	0	38.65	58.70	-1.00
1156	0	0	0	0	0	0	34.84	58.70	-1.00
1157	0	0	0	0	0	0	31.06	58.70	-1.00
1158	0	0	0	0	0	0	27.28	58.70	-1.00
1159	0	0	0	0	0	0	23.50	58.70	-1.00
1160	0	0	0	0	0	0	19.72	58.70	-1.00
1161	0	0	0	0	0	0	15.94	58.70	-1.00
1162	0	0	0	0	0	0	12.16	58.70	-1.00
1163	0	0	0	0	0	0	8.35	58.70	-1.00
1164	0	0	0	0	0	0	8.35	62.66	-1.00
1165	0	0	0	0	0	0	8.35	66.63	-1.00
1166	0	0	0	0	0	0	8.35	70.60	-1.00
1167	0	0	0	0	0	0	8.35	74.57	-1.00
1168	0	0	0	0	0	0	8.35	78.54	-1.00
1169	0	0	0	0	0	0	8.35	82.50	-2.00
1170	0	0	0	0	0	0	12.16	82.50	-2.00
1171	0	0	0	0	0	0	15.94	82.50	-2.00
1172	0	0	0	0	0	0	19.72	82.50	-2.00
1173	0	0	0	0	0	0	23.50	82.50	-2.00
1174	0	0	0	0	0	0	27.28	82.50	-2.00
1175	0	0	0	0	0	0	31.06	82.50	-2.00
1176	0	0	0	0	0	0	34.84	82.50	-2.00
1177	0	0	0	0	0	0	38.65	82.50	-2.00
1178	0	0	0	0	0	0	38.65	78.54	-2.00
1179	0	0	0	0	0	0	38.65	74.57	-2.00
1180	0	0	0	0	0	0	38.65	70.60	-2.00
1181	0	0	0	0	0	0	38.65	66.63	-2.00
1182	0	0	0	0	0	0	38.65	62.66	-2.00
1183	0	0	0	0	0	0	38.65	58.70	-2.00
1184	0	0	0	0	0	0	34.84	58.70	-2.00
1185	0	0	0	0	0	0	31.06	58.70	-2.00
1186	0	0	0	0	0	0	27.28	58.70	-2.00
1187	0	0	0	0	0	0	23.50	58.70	-2.00
1188	0	0	0	0	0	0	19.72	58.70	-2.00
1189	0	0	0	0	0	0	15.94	58.70	-2.00
1190	0	0	0	0	0	0	12.16	58.70	-2.00
1191	0	0	0	0	0	0	8.35	58.70	-2.00
1192	0	0	0	0	0	0	8.35	62.66	-2.00
1193	0	0	0	0	0	0	8.35	66.63	-2.00
1194	0	0	0	0	0	0	8.35	70.60	-2.00
1195	0	0	0	0	0	0	8.35	74.57	-2.00
1196	0	0	0	0	0	0	8.35	78.54	-2.00
1197	0	0	0	0	0	0	8.35	82.50	-3.10
1198	0	0	0	0	0	0	12.16	82.50	-3.10
1199	0	0	0	0	0	0	15.94	82.50	-3.10
1200	0	0	0	0	0	0	19.72	82.50	-3.10
1201	0	0	0	0	0	0	23.50	82.50	-3.10
1202	0	0	0	0	0	0	27.28	82.50	-3.10
1203	0	0	0	0	0	0	31.06	82.50	-3.10
1204	0	0	0	0	0	0	34.84	82.50	-3.10
1205	0	0	0	0	0	0	38.65	82.50	-3.10

							SER-ESB-024-4.txt		
1206	0	0	0	0	0	0	38.65	78.54	-3.10
1207	0	0	0	0	0	0	38.65	74.57	-3.10
1208	0	0	0	0	0	0	38.65	70.60	-3.10
1209	0	0	0	0	0	0	38.65	66.63	-3.10
1210	0	0	0	0	0	0	38.65	62.66	-3.10
1211	0	0	0	0	0	0	38.65	58.70	-3.10
1212	0	0	0	0	0	0	34.84	58.70	-3.10
1213	0	0	0	0	0	0	31.06	58.70	-3.10
1214	0	0	0	0	0	0	27.28	58.70	-3.10
1215	0	0	0	0	0	0	23.50	58.70	-3.10
1216	0	0	0	0	0	0	19.72	58.70	-3.10
1217	0	0	0	0	0	0	15.94	58.70	-3.10
1218	0	0	0	0	0	0	12.16	58.70	-3.10
1219	0	0	0	0	0	0	8.35	58.70	-3.10
1220	0	0	0	0	0	0	8.35	62.66	-3.10
1221	0	0	0	0	0	0	8.35	66.63	-3.10
1222	0	0	0	0	0	0	8.35	70.60	-3.10
1223	0	0	0	0	0	0	8.35	74.57	-3.10
1224	0	0	0	0	0	0	8.35	78.54	-3.10
1225	0	0	0	0	0	0	8.35	82.50	-4.20
1226	0	0	0	0	0	0	12.16	82.50	-4.20
1227	0	0	0	0	0	0	15.94	82.50	-4.20
1228	0	0	0	0	0	0	19.72	82.50	-4.20
1229	0	0	0	0	0	0	23.50	82.50	-4.20
1230	0	0	0	0	0	0	27.28	82.50	-4.20
1231	0	0	0	0	0	0	31.06	82.50	-4.20
1232	0	0	0	0	0	0	34.84	82.50	-4.20
1233	0	0	0	0	0	0	38.65	82.50	-4.20
1234	0	0	0	0	0	0	38.65	78.54	-4.20
1235	0	0	0	0	0	0	38.65	74.57	-4.20
1236	0	0	0	0	0	0	38.65	70.60	-4.20
1237	0	0	0	0	0	0	38.65	66.63	-4.20
1238	0	0	0	0	0	0	38.65	62.66	-4.20
1239	0	0	0	0	0	0	38.65	58.70	-4.20
1240	0	0	0	0	0	0	34.84	58.70	-4.20
1241	0	0	0	0	0	0	31.06	58.70	-4.20
1242	0	0	0	0	0	0	27.28	58.70	-4.20
1243	0	0	0	0	0	0	23.50	58.70	-4.20
1244	0	0	0	0	0	0	19.72	58.70	-4.20
1245	0	0	0	0	0	0	15.94	58.70	-4.20
1246	0	0	0	0	0	0	12.16	58.70	-4.20
1247	0	0	0	0	0	0	8.35	58.70	-4.20
1248	0	0	0	0	0	0	8.35	62.66	-4.20
1249	0	0	0	0	0	0	8.35	66.63	-4.20
1250	0	0	0	0	0	0	8.35	70.60	-4.20
1251	0	0	0	0	0	0	8.35	74.57	-4.20
1252	0	0	0	0	0	0	8.35	78.54	-4.20
1253	0	0	0	0	0	0	8.35	82.50	-5.30
1254	0	0	0	0	0	0	12.16	82.50	-5.30
1255	0	0	0	0	0	0	15.94	82.50	-5.30
1256	0	0	0	0	0	0	19.72	82.50	-5.30
1257	0	0	0	0	0	0	23.50	82.50	-5.30
1258	0	0	0	0	0	0	27.28	82.50	-5.30
1259	0	0	0	0	0	0	31.06	82.50	-5.30
1260	0	0	0	0	0	0	34.84	82.50	-5.30
1261	0	0	0	0	0	0	38.65	82.50	-5.30
1262	0	0	0	0	0	0	38.65	78.54	-5.30
1263	0	0	0	0	0	0	38.65	74.57	-5.30
1264	0	0	0	0	0	0	38.65	70.60	-5.30
1265	0	0	0	0	0	0	38.65	66.63	-5.30
1266	0	0	0	0	0	0	38.65	62.66	-5.30
1267	0	0	0	0	0	0	38.65	58.70	-5.30
1268	0	0	0	0	0	0	34.84	58.70	-5.30

							SER-ESB-024-4.txt		
1269	0	0	0	0	0	0	31.06	58.70	-5.30
1270	0	0	0	0	0	0	27.28	58.70	-5.30
1271	0	0	0	0	0	0	23.50	58.70	-5.30
1272	0	0	0	0	0	0	19.72	58.70	-5.30
1273	0	0	0	0	0	0	15.94	58.70	-5.30
1274	0	0	0	0	0	0	12.16	58.70	-5.30
1275	0	0	0	0	0	0	8.35	58.70	-5.30
1276	0	0	0	0	0	0	8.35	62.66	-5.30
1277	0	0	0	0	0	0	8.35	66.63	-5.30
1278	0	0	0	0	0	0	8.35	70.60	-5.30
1279	0	0	0	0	0	0	8.35	74.57	-5.30
1280	0	0	0	0	0	0	8.35	78.54	-5.30
1281	0	0	0	0	0	0	8.35	82.50	-6.40
1282	0	0	0	0	0	0	12.16	82.50	-6.40
1283	0	0	0	0	0	0	15.94	82.50	-6.40
1284	0	0	0	0	0	0	19.72	82.50	-6.40
1285	0	0	0	0	0	0	23.50	82.50	-6.40
1286	0	0	0	0	0	0	27.28	82.50	-6.40
1287	0	0	0	0	0	0	31.06	82.50	-6.40
1288	0	0	0	0	0	0	34.84	82.50	-6.40
1289	0	0	0	0	0	0	38.65	82.50	-6.40
1290	0	0	0	0	0	0	38.65	78.54	-6.40
1291	0	0	0	0	0	0	38.65	74.57	-6.40
1292	0	0	0	0	0	0	38.65	70.60	-6.40
1293	0	0	0	0	0	0	38.65	66.63	-6.40
1294	0	0	0	0	0	0	38.65	62.66	-6.40
1295	0	0	0	0	0	0	38.65	58.70	-6.40
1296	0	0	0	0	0	0	34.84	58.70	-6.40
1297	0	0	0	0	0	0	31.06	58.70	-6.40
1298	0	0	0	0	0	0	27.28	58.70	-6.40
1299	0	0	0	0	0	0	23.50	58.70	-6.40
1300	0	0	0	0	0	0	19.72	58.70	-6.40
1301	0	0	0	0	0	0	15.94	58.70	-6.40
1302	0	0	0	0	0	0	12.16	58.70	-6.40
1303	0	0	0	0	0	0	8.35	58.70	-6.40
1304	0	0	0	0	0	0	8.35	62.66	-6.40
1305	0	0	0	0	0	0	8.35	66.63	-6.40
1306	0	0	0	0	0	0	8.35	70.60	-6.40
1307	0	0	0	0	0	0	8.35	74.57	-6.40
1308	0	0	0	0	0	0	8.35	78.54	-6.40
1309	0	0	0	0	0	0	8.35	82.50	-7.40
1310	0	0	0	0	0	0	12.16	82.50	-7.40
1311	0	0	0	0	0	0	15.94	82.50	-7.40
1312	0	0	0	0	0	0	19.72	82.50	-7.40
1313	0	0	0	0	0	0	23.50	82.50	-7.40
1314	0	0	0	0	0	0	27.28	82.50	-7.40
1315	0	0	0	0	0	0	31.06	82.50	-7.40
1316	0	0	0	0	0	0	34.84	82.50	-7.40
1317	0	0	0	0	0	0	38.65	82.50	-7.40
1318	0	0	0	0	0	0	38.65	78.54	-7.40
1319	0	0	0	0	0	0	38.65	74.57	-7.40
1320	0	0	0	0	0	0	38.65	70.60	-7.40
1321	0	0	0	0	0	0	38.65	66.63	-7.40
1322	0	0	0	0	0	0	38.65	62.66	-7.40
1323	0	0	0	0	0	0	38.65	58.70	-7.40
1324	0	0	0	0	0	0	34.84	58.70	-7.40
1325	0	0	0	0	0	0	31.06	58.70	-7.40
1326	0	0	0	0	0	0	27.28	58.70	-7.40
1327	0	0	0	0	0	0	23.50	58.70	-7.40
1328	0	0	0	0	0	0	19.72	58.70	-7.40
1329	0	0	0	0	0	0	15.94	58.70	-7.40
1330	0	0	0	0	0	0	12.16	58.70	-7.40
1331	0	0	0	0	0	0	8.35	58.70	-7.40

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1332	0	0	0	0	0	0	8.35	62.66	-7.40
1333	0	0	0	0	0	0	8.35	66.63	-7.40
1334	0	0	0	0	0	0	8.35	70.60	-7.40
1335	0	0	0	0	0	0	8.35	74.57	-7.40
1336	0	0	0	0	0	0	8.35	78.54	-7.40
1337	0	0	0	0	0	0	8.35	82.50	-8.40
1338	0	0	0	0	0	0	12.16	82.50	-8.40
1339	0	0	0	0	0	0	15.94	82.50	-8.40
1340	0	0	0	0	0	0	19.72	82.50	-8.40
1341	0	0	0	0	0	0	23.50	82.50	-8.40
1342	0	0	0	0	0	0	27.28	82.50	-8.40
1343	0	0	0	0	0	0	31.06	82.50	-8.40
1344	0	0	0	0	0	0	34.84	82.50	-8.40
1345	0	0	0	0	0	0	38.65	82.50	-8.40
1346	0	0	0	0	0	0	38.65	78.54	-8.40
1347	0	0	0	0	0	0	38.65	74.57	-8.40
1348	0	0	0	0	0	0	38.65	70.60	-8.40
1349	0	0	0	0	0	0	38.65	66.63	-8.40
1350	0	0	0	0	0	0	38.65	62.66	-8.40
1351	0	0	0	0	0	0	38.65	58.70	-8.40
1352	0	0	0	0	0	0	34.84	58.70	-8.40
1353	0	0	0	0	0	0	31.06	58.70	-8.40
1354	0	0	0	0	0	0	27.28	58.70	-8.40
1355	0	0	0	0	0	0	23.50	58.70	-8.40
1356	0	0	0	0	0	0	19.72	58.70	-8.40
1357	0	0	0	0	0	0	15.94	58.70	-8.40
1358	0	0	0	0	0	0	12.16	58.70	-8.40
1359	0	0	0	0	0	0	8.35	58.70	-8.40
1360	0	0	0	0	0	0	8.35	62.66	-8.40
1361	0	0	0	0	0	0	8.35	66.63	-8.40
1362	0	0	0	0	0	0	8.35	70.60	-8.40
1363	0	0	0	0	0	0	8.35	74.57	-8.40
1364	0	0	0	0	0	0	8.35	78.54	-8.40
1365	0	0	0	0	0	0	8.35	82.50	-9.40
1366	0	0	0	0	0	0	12.16	82.50	-9.40
1367	0	0	0	0	0	0	15.94	82.50	-9.40
1368	0	0	0	0	0	0	19.72	82.50	-9.40
1369	0	0	0	0	0	0	23.50	82.50	-9.40
1370	0	0	0	0	0	0	27.28	82.50	-9.40
1371	0	0	0	0	0	0	31.06	82.50	-9.40
1372	0	0	0	0	0	0	34.84	82.50	-9.40
1373	0	0	0	0	0	0	38.65	82.50	-9.40
1374	0	0	0	0	0	0	38.65	78.54	-9.40
1375	0	0	0	0	0	0	38.65	74.57	-9.40
1376	0	0	0	0	0	0	38.65	70.60	-9.40
1377	0	0	0	0	0	0	38.65	66.63	-9.40
1378	0	0	0	0	0	0	38.65	62.66	-9.40
1379	0	0	0	0	0	0	38.65	58.70	-9.40
1380	0	0	0	0	0	0	34.84	58.70	-9.40
1381	0	0	0	0	0	0	31.06	58.70	-9.40
1382	0	0	0	0	0	0	27.28	58.70	-9.40
1383	0	0	0	0	0	0	23.50	58.70	-9.40
1384	0	0	0	0	0	0	19.72	58.70	-9.40
1385	0	0	0	0	0	0	15.94	58.70	-9.40
1386	0	0	0	0	0	0	12.16	58.70	-9.40
1387	0	0	0	0	0	0	8.35	58.70	-9.40
1388	0	0	0	0	0	0	8.35	62.66	-9.40
1389	0	0	0	0	0	0	8.35	66.63	-9.40
1390	0	0	0	0	0	0	8.35	70.60	-9.40
1391	0	0	0	0	0	0	8.35	74.57	-9.40
1392	0	0	0	0	0	0	8.35	78.54	-9.40
1393	0	0	0	0	0	0	8.35	82.50	-10.40
1394	0	0	0	0	0	0	12.16	82.50	-10.40

## SER-ESB-024-4.txt

1395	0	0	0	0	0	0	15.94	82.50	-10.40
1396	0	0	0	0	0	0	19.72	82.50	-10.40
1397	0	0	0	0	0	0	23.50	82.50	-10.40
1398	0	0	0	0	0	0	27.28	82.50	-10.40
1399	0	0	0	0	0	0	31.06	82.50	-10.40
1400	0	0	0	0	0	0	34.84	82.50	-10.40
1401	0	0	0	0	0	0	38.65	82.50	-10.40
1402	0	0	0	0	0	0	38.65	78.54	-10.40
1403	0	0	0	0	0	0	38.65	74.57	-10.40
1404	0	0	0	0	0	0	38.65	70.60	-10.40
1405	0	0	0	0	0	0	38.65	66.63	-10.40
1406	0	0	0	0	0	0	38.65	62.66	-10.40
1407	0	0	0	0	0	0	38.65	58.70	-10.40
1408	0	0	0	0	0	0	34.84	58.70	-10.40
1409	0	0	0	0	0	0	31.06	58.70	-10.40
1410	0	0	0	0	0	0	27.28	58.70	-10.40
1411	0	0	0	0	0	0	23.50	58.70	-10.40
1412	0	0	0	0	0	0	19.72	58.70	-10.40
1413	0	0	0	0	0	0	15.94	58.70	-10.40
1414	0	0	0	0	0	0	12.16	58.70	-10.40
1415	0	0	0	0	0	0	8.35	58.70	-10.40
1416	0	0	0	0	0	0	8.35	62.66	-10.40
1417	0	0	0	0	0	0	8.35	66.63	-10.40
1418	0	0	0	0	0	0	8.35	70.60	-10.40
1419	0	0	0	0	0	0	8.35	74.57	-10.40
1420	0	0	0	0	0	0	8.35	78.54	-10.40
1421	0	0	0	0	0	0	12.16	78.54	-10.40
1422	0	0	0	0	0	0	15.94	78.54	-10.40
1423	0	0	0	0	0	0	19.72	78.54	-10.40
1424	0	0	0	0	0	0	23.50	78.54	-10.40
1425	0	0	0	0	0	0	27.28	78.54	-10.40
1426	0	0	0	0	0	0	31.06	78.54	-10.40
1427	0	0	0	0	0	0	34.84	78.54	-10.40
1428	0	0	0	0	0	0	12.16	74.57	-10.40
1429	0	0	0	0	0	0	15.94	74.57	-10.40
1430	0	0	0	0	0	0	19.72	74.57	-10.40
1431	0	0	0	0	0	0	23.50	74.57	-10.40
1432	0	0	0	0	0	0	27.28	74.57	-10.40
1433	0	0	0	0	0	0	31.06	74.57	-10.40
1434	0	0	0	0	0	0	34.84	74.57	-10.40
1435	0	0	0	0	0	0	12.16	70.60	-10.40
1436	0	0	0	0	0	0	15.94	70.60	-10.40
1437	0	0	0	0	0	0	19.72	70.60	-10.40
1438	0	0	0	0	0	0	23.50	70.60	-10.40
1439	0	0	0	0	0	0	27.28	70.60	-10.40
1440	0	0	0	0	0	0	31.06	70.60	-10.40
1441	0	0	0	0	0	0	34.84	70.60	-10.40
1442	0	0	0	0	0	0	12.16	66.63	-10.40
1443	0	0	0	0	0	0	15.94	66.63	-10.40
1444	0	0	0	0	0	0	19.72	66.63	-10.40
1445	0	0	0	0	0	0	23.50	66.63	-10.40
1446	0	0	0	0	0	0	27.28	66.63	-10.40
1447	0	0	0	0	0	0	31.06	66.63	-10.40
1448	0	0	0	0	0	0	34.84	66.63	-10.40
1449	0	0	0	0	0	0	12.16	62.66	-10.40
1450	0	0	0	0	0	0	15.94	62.66	-10.40
1451	0	0	0	0	0	0	19.72	62.66	-10.40
1452	0	0	0	0	0	0	23.50	62.66	-10.40
1453	0	0	0	0	0	0	27.28	62.66	-10.40
1454	0	0	0	0	0	0	31.06	62.66	-10.40
1455	0	0	0	0	0	0	34.84	62.66	-10.40
1456	1	1	1	1	1	1	0.00	0.00	0.00
3000	1	1	1	1	1	1	0.00	0.00	0.00



## SER-ESB-024-4.txt

3001	0	0	0	1	1	1	8.35	82.50	4.50
3002	0	0	0	1	1	1	12.16	82.50	4.50
3003	0	0	0	1	1	1	15.94	82.50	4.50
3004	0	0	0	1	1	1	19.72	82.50	4.50
3005	0	0	0	1	1	1	23.50	82.50	4.50
3006	0	0	0	1	1	1	27.28	82.50	4.50
3007	0	0	0	1	1	1	31.06	82.50	4.50
3008	0	0	0	1	1	1	34.84	82.50	4.50
3009	0	0	0	1	1	1	38.65	82.50	4.50
3010	0	0	0	1	1	1	8.35	78.54	4.50
3011	0	0	0	1	1	1	12.16	78.54	4.50
3012	0	0	0	1	1	1	15.94	78.54	4.50
3013	0	0	0	1	1	1	19.72	78.54	4.50
3014	0	0	0	1	1	1	23.50	78.54	4.50
3015	0	0	0	1	1	1	27.28	78.54	4.50
3016	0	0	0	1	1	1	31.06	78.54	4.50
3017	0	0	0	1	1	1	34.84	78.54	4.50
3018	0	0	0	1	1	1	38.65	78.54	4.50
3019	0	0	0	1	1	1	8.35	74.57	4.50
3020	0	0	0	1	1	1	12.16	74.57	4.50
3021	0	0	0	1	1	1	15.94	74.57	4.50
3022	0	0	0	1	1	1	19.72	74.57	4.50
3023	0	0	0	1	1	1	23.50	74.57	4.50
3024	0	0	0	1	1	1	27.28	74.57	4.50
3025	0	0	0	1	1	1	31.06	74.57	4.50
3026	0	0	0	1	1	1	34.84	74.57	4.50
3027	0	0	0	1	1	1	38.65	74.57	4.50
3028	0	0	0	1	1	1	8.35	70.60	4.50
3029	0	0	0	1	1	1	12.16	70.60	4.50
3030	0	0	0	1	1	1	15.94	70.60	4.50
3031	0	0	0	1	1	1	19.72	70.60	4.50
3032	0	0	0	1	1	1	23.50	70.60	4.50
3033	0	0	0	1	1	1	27.28	70.60	4.50
3034	0	0	0	1	1	1	31.06	70.60	4.50
3035	0	0	0	1	1	1	34.84	70.60	4.50
3036	0	0	0	1	1	1	38.65	70.60	4.50
3037	0	0	0	1	1	1	8.35	66.63	4.50
3038	0	0	0	1	1	1	12.16	66.63	4.50
3039	0	0	0	1	1	1	15.94	66.63	4.50
3040	0	0	0	1	1	1	19.72	66.63	4.50
3041	0	0	0	1	1	1	23.50	66.63	4.50
3042	0	0	0	1	1	1	27.28	66.63	4.50
3043	0	0	0	1	1	1	31.06	66.63	4.50
3044	0	0	0	1	1	1	34.84	66.63	4.50
3045	0	0	0	1	1	1	38.65	66.63	4.50
3046	0	0	0	1	1	1	8.35	62.66	4.50
3047	0	0	0	1	1	1	12.16	62.66	4.50
3048	0	0	0	1	1	1	15.94	62.66	4.50
3049	0	0	0	1	1	1	19.72	62.66	4.50
3050	0	0	0	1	1	1	23.50	62.66	4.50
3051	0	0	0	1	1	1	27.28	62.66	4.50
3052	0	0	0	1	1	1	31.06	62.66	4.50
3053	0	0	0	1	1	1	34.84	62.66	4.50
3054	0	0	0	1	1	1	38.65	62.66	4.50
3055	0	0	0	1	1	1	8.35	58.70	4.50
3056	0	0	0	1	1	1	12.16	58.70	4.50
3057	0	0	0	1	1	1	15.94	58.70	4.50
3058	0	0	0	1	1	1	19.72	58.70	4.50
3059	0	0	0	1	1	1	23.50	58.70	4.50
3060	0	0	0	1	1	1	27.28	58.70	4.50
3061	0	0	0	1	1	1	31.06	58.70	4.50
3062	0	0	0	1	1	1	34.84	58.70	4.50
3063	0	0	0	1	1	1	38.65	58.70	4.50

							SER-ESB-024-4.txt			
3064	1	1	1	1	1	1	0.00	0.00	0.00	1
3200	1	1	1	1	1	1	0.00	0.00	0.00	
3201	0	0	0	1	1	1	8.35	82.50	3.40	
3202	0	0	0	1	1	1	12.16	82.50	3.40	
3203	0	0	0	1	1	1	15.94	82.50	3.40	
3204	0	0	0	1	1	1	19.72	82.50	3.40	
3205	0	0	0	1	1	1	23.50	82.50	3.40	
3206	0	0	0	1	1	1	27.28	82.50	3.40	
3207	0	0	0	1	1	1	31.06	82.50	3.40	
3208	0	0	0	1	1	1	34.84	82.50	3.40	
3209	0	0	0	1	1	1	38.65	82.50	3.40	
3210	0	0	0	1	1	1	8.35	78.54	3.40	
3211	0	0	0	1	1	1	12.16	78.54	3.40	
3212	0	0	0	1	1	1	15.94	78.54	3.40	
3213	0	0	0	1	1	1	19.72	78.54	3.40	
3214	0	0	0	1	1	1	23.50	78.54	3.40	
3215	0	0	0	1	1	1	27.28	78.54	3.40	
3216	0	0	0	1	1	1	31.06	78.54	3.40	
3217	0	0	0	1	1	1	34.84	78.54	3.40	
3218	0	0	0	1	1	1	38.65	78.54	3.40	
3219	0	0	0	1	1	1	8.35	74.57	3.40	
3220	0	0	0	1	1	1	12.16	74.57	3.40	
3221	0	0	0	1	1	1	15.94	74.57	3.40	
3222	0	0	0	1	1	1	19.72	74.57	3.40	
3223	0	0	0	1	1	1	23.50	74.57	3.40	
3224	0	0	0	1	1	1	27.28	74.57	3.40	
3225	0	0	0	1	1	1	31.06	74.57	3.40	
3226	0	0	0	1	1	1	34.84	74.57	3.40	
3227	0	0	0	1	1	1	38.65	74.57	3.40	
3228	0	0	0	1	1	1	8.35	70.60	3.40	
3229	0	0	0	1	1	1	12.16	70.60	3.40	
3230	0	0	0	1	1	1	15.94	70.60	3.40	
3231	0	0	0	1	1	1	19.72	70.60	3.40	
3232	0	0	0	1	1	1	23.50	70.60	3.40	
3233	0	0	0	1	1	1	27.28	70.60	3.40	
3234	0	0	0	1	1	1	31.06	70.60	3.40	
3235	0	0	0	1	1	1	34.84	70.60	3.40	
3236	0	0	0	1	1	1	38.65	70.60	3.40	
3237	0	0	0	1	1	1	8.35	66.63	3.40	
3238	0	0	0	1	1	1	12.16	66.63	3.40	
3239	0	0	0	1	1	1	15.94	66.63	3.40	
3240	0	0	0	1	1	1	19.72	66.63	3.40	
3241	0	0	0	1	1	1	23.50	66.63	3.40	
3242	0	0	0	1	1	1	27.28	66.63	3.40	
3243	0	0	0	1	1	1	31.06	66.63	3.40	
3244	0	0	0	1	1	1	34.84	66.63	3.40	
3245	0	0	0	1	1	1	38.65	66.63	3.40	
3246	0	0	0	1	1	1	8.35	62.66	3.40	
3247	0	0	0	1	1	1	12.16	62.66	3.40	
3248	0	0	0	1	1	1	15.94	62.66	3.40	
3249	0	0	0	1	1	1	19.72	62.66	3.40	
3250	0	0	0	1	1	1	23.50	62.66	3.40	
3251	0	0	0	1	1	1	27.28	62.66	3.40	
3252	0	0	0	1	1	1	31.06	62.66	3.40	
3253	0	0	0	1	1	1	34.84	62.66	3.40	
3254	0	0	0	1	1	1	38.65	62.66	3.40	
3255	0	0	0	1	1	1	8.35	58.70	3.40	
3256	0	0	0	1	1	1	12.16	58.70	3.40	
3257	0	0	0	1	1	1	15.94	58.70	3.40	
3258	0	0	0	1	1	1	19.72	58.70	3.40	
3259	0	0	0	1	1	1	23.50	58.70	3.40	
3260	0	0	0	1	1	1	27.28	58.70	3.40	
3261	0	0	0	1	1	1	31.06	58.70	3.40	

							SER-ESB-024-4.txt		
3262	0	0	0	1	1	1	34.84	58.70	3.40
3263	0	0	0	1	1	1	38.65	58.70	3.40
3264	1	1	1	1	1	1	0.00	0.00	0.00
3400	1	1	1	1	1	1	0.00	0.00	0.00
3401	0	0	0	1	1	1	8.35	82.50	2.30
3402	0	0	0	1	1	1	12.16	82.50	2.30
3403	0	0	0	1	1	1	15.94	82.50	2.30
3404	0	0	0	1	1	1	19.72	82.50	2.30
3405	0	0	0	1	1	1	23.50	82.50	2.30
3406	0	0	0	1	1	1	27.28	82.50	2.30
3407	0	0	0	1	1	1	31.06	82.50	2.30
3408	0	0	0	1	1	1	34.84	82.50	2.30
3409	0	0	0	1	1	1	38.65	82.50	2.30
3410	0	0	0	1	1	1	8.35	78.54	2.30
3411	0	0	0	1	1	1	12.16	78.54	2.30
3412	0	0	0	1	1	1	15.94	78.54	2.30
3413	0	0	0	1	1	1	19.72	78.54	2.30
3414	0	0	0	1	1	1	23.50	78.54	2.30
3415	0	0	0	1	1	1	27.28	78.54	2.30
3416	0	0	0	1	1	1	31.06	78.54	2.30
3417	0	0	0	1	1	1	34.84	78.54	2.30
3418	0	0	0	1	1	1	38.65	78.54	2.30
3419	0	0	0	1	1	1	8.35	74.57	2.30
3420	0	0	0	1	1	1	12.16	74.57	2.30
3421	0	0	0	1	1	1	15.94	74.57	2.30
3422	0	0	0	1	1	1	19.72	74.57	2.30
3423	0	0	0	1	1	1	23.50	74.57	2.30
3424	0	0	0	1	1	1	27.28	74.57	2.30
3425	0	0	0	1	1	1	31.06	74.57	2.30
3426	0	0	0	1	1	1	34.84	74.57	2.30
3427	0	0	0	1	1	1	38.65	74.57	2.30
3428	0	0	0	1	1	1	8.35	70.60	2.30
3429	0	0	0	1	1	1	12.16	70.60	2.30
3430	0	0	0	1	1	1	15.94	70.60	2.30
3431	0	0	0	1	1	1	19.72	70.60	2.30
3432	0	0	0	1	1	1	23.50	70.60	2.30
3433	0	0	0	1	1	1	27.28	70.60	2.30
3434	0	0	0	1	1	1	31.06	70.60	2.30
3435	0	0	0	1	1	1	34.84	70.60	2.30
3436	0	0	0	1	1	1	38.65	70.60	2.30
3437	0	0	0	1	1	1	8.35	66.63	2.30
3438	0	0	0	1	1	1	12.16	66.63	2.30
3439	0	0	0	1	1	1	15.94	66.63	2.30
3440	0	0	0	1	1	1	19.72	66.63	2.30
3441	0	0	0	1	1	1	23.50	66.63	2.30
3442	0	0	0	1	1	1	27.28	66.63	2.30
3443	0	0	0	1	1	1	31.06	66.63	2.30
3444	0	0	0	1	1	1	34.84	66.63	2.30
3445	0	0	0	1	1	1	38.65	66.63	2.30
3446	0	0	0	1	1	1	8.35	62.66	2.30
3447	0	0	0	1	1	1	12.16	62.66	2.30
3448	0	0	0	1	1	1	15.94	62.66	2.30
3449	0	0	0	1	1	1	19.72	62.66	2.30
3450	0	0	0	1	1	1	23.50	62.66	2.30
3451	0	0	0	1	1	1	27.28	62.66	2.30
3452	0	0	0	1	1	1	31.06	62.66	2.30
3453	0	0	0	1	1	1	34.84	62.66	2.30
3454	0	0	0	1	1	1	38.65	62.66	2.30
3455	0	0	0	1	1	1	8.35	58.70	2.30
3456	0	0	0	1	1	1	12.16	58.70	2.30
3457	0	0	0	1	1	1	15.94	58.70	2.30
3458	0	0	0	1	1	1	19.72	58.70	2.30
3459	0	0	0	1	1	1	23.50	58.70	2.30

## SER-ESB-024-4.txt

3460	0	0	0	1	1	1	27.28	58.70	2.30
3461	0	0	0	1	1	1	31.06	58.70	2.30
3462	0	0	0	1	1	1	34.84	58.70	2.30
3463	0	0	0	1	1	1	38.65	58.70	2.30
3464	1	1	1	1	1	1	0.00	0.00	0.00
3600	1	1	1	1	1	1	0.00	0.00	0.00
3601	0	0	0	1	1	1	8.35	82.50	1.20
3602	0	0	0	1	1	1	12.16	82.50	1.20
3603	0	0	0	1	1	1	15.94	82.50	1.20
3604	0	0	0	1	1	1	19.72	82.50	1.20
3605	0	0	0	1	1	1	23.50	82.50	1.20
3606	0	0	0	1	1	1	27.28	82.50	1.20
3607	0	0	0	1	1	1	31.06	82.50	1.20
3608	0	0	0	1	1	1	34.84	82.50	1.20
3609	0	0	0	1	1	1	38.65	82.50	1.20
3610	0	0	0	1	1	1	8.35	78.54	1.20
3611	0	0	0	1	1	1	12.16	78.54	1.20
3612	0	0	0	1	1	1	15.94	78.54	1.20
3613	0	0	0	1	1	1	19.72	78.54	1.20
3614	0	0	0	1	1	1	23.50	78.54	1.20
3615	0	0	0	1	1	1	27.28	78.54	1.20
3616	0	0	0	1	1	1	31.06	78.54	1.20
3617	0	0	0	1	1	1	34.84	78.54	1.20
3618	0	0	0	1	1	1	38.65	78.54	1.20
3619	0	0	0	1	1	1	8.35	74.57	1.20
3620	0	0	0	1	1	1	12.16	74.57	1.20
3621	0	0	0	1	1	1	15.94	74.57	1.20
3622	0	0	0	1	1	1	19.72	74.57	1.20
3623	0	0	0	1	1	1	23.50	74.57	1.20
3624	0	0	0	1	1	1	27.28	74.57	1.20
3625	0	0	0	1	1	1	31.06	74.57	1.20
3626	0	0	0	1	1	1	34.84	74.57	1.20
3627	0	0	0	1	1	1	38.65	74.57	1.20
3628	0	0	0	1	1	1	8.35	70.60	1.20
3629	0	0	0	1	1	1	12.16	70.60	1.20
3630	0	0	0	1	1	1	15.94	70.60	1.20
3631	0	0	0	1	1	1	19.72	70.60	1.20
3632	0	0	0	1	1	1	23.50	70.60	1.20
3633	0	0	0	1	1	1	27.28	70.60	1.20
3634	0	0	0	1	1	1	31.06	70.60	1.20
3635	0	0	0	1	1	1	34.84	70.60	1.20
3636	0	0	0	1	1	1	38.65	70.60	1.20
3637	0	0	0	1	1	1	8.35	66.63	1.20
3638	0	0	0	1	1	1	12.16	66.63	1.20
3639	0	0	0	1	1	1	15.94	66.63	1.20
3640	0	0	0	1	1	1	19.72	66.63	1.20
3641	0	0	0	1	1	1	23.50	66.63	1.20
3642	0	0	0	1	1	1	27.28	66.63	1.20
3643	0	0	0	1	1	1	31.06	66.63	1.20
3644	0	0	0	1	1	1	34.84	66.63	1.20
3645	0	0	0	1	1	1	38.65	66.63	1.20
3646	0	0	0	1	1	1	8.35	62.66	1.20
3647	0	0	0	1	1	1	12.16	62.66	1.20
3648	0	0	0	1	1	1	15.94	62.66	1.20
3649	0	0	0	1	1	1	19.72	62.66	1.20
3650	0	0	0	1	1	1	23.50	62.66	1.20
3651	0	0	0	1	1	1	27.28	62.66	1.20
3652	0	0	0	1	1	1	31.06	62.66	1.20
3653	0	0	0	1	1	1	34.84	62.66	1.20
3654	0	0	0	1	1	1	38.65	62.66	1.20
3655	0	0	0	1	1	1	8.35	58.70	1.20
3656	0	0	0	1	1	1	12.16	58.70	1.20
3657	0	0	0	1	1	1	15.94	58.70	1.20

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3658	0	0	0	1	1	1	19.72	58.70	1.20
3659	0	0	0	1	1	1	23.50	58.70	1.20
3660	0	0	0	1	1	1	27.28	58.70	1.20
3661	0	0	0	1	1	1	31.06	58.70	1.20
3662	0	0	0	1	1	1	34.84	58.70	1.20
3663	0	0	0	1	1	1	38.65	58.70	1.20
3664	1	1	1	1	1	1	0.00	0.00	0.00
3800	1	1	1	1	1	1	0.00	0.00	0.00
3801	0	0	0	1	1	1	8.35	82.50	0.10
3802	0	0	0	1	1	1	12.16	82.50	0.10
3803	0	0	0	1	1	1	15.94	82.50	0.10
3804	0	0	0	1	1	1	19.72	82.50	0.10
3805	0	0	0	1	1	1	23.50	82.50	0.10
3806	0	0	0	1	1	1	27.28	82.50	0.10
3807	0	0	0	1	1	1	31.06	82.50	0.10
3808	0	0	0	1	1	1	34.84	82.50	0.10
3809	0	0	0	1	1	1	38.65	82.50	0.10
3810	0	0	0	1	1	1	8.35	78.54	0.10
3811	0	0	0	1	1	1	12.16	78.54	0.10
3812	0	0	0	1	1	1	15.94	78.54	0.10
3813	0	0	0	1	1	1	19.72	78.54	0.10
3814	0	0	0	1	1	1	23.50	78.54	0.10
3815	0	0	0	1	1	1	27.28	78.54	0.10
3816	0	0	0	1	1	1	31.06	78.54	0.10
3817	0	0	0	1	1	1	34.84	78.54	0.10
3818	0	0	0	1	1	1	38.65	78.54	0.10
3819	0	0	0	1	1	1	8.35	74.57	0.10
3820	0	0	0	1	1	1	12.16	74.57	0.10
3821	0	0	0	1	1	1	15.94	74.57	0.10
3822	0	0	0	1	1	1	19.72	74.57	0.10
3823	0	0	0	1	1	1	23.50	74.57	0.10
3824	0	0	0	1	1	1	27.28	74.57	0.10
3825	0	0	0	1	1	1	31.06	74.57	0.10
3826	0	0	0	1	1	1	34.84	74.57	0.10
3827	0	0	0	1	1	1	38.65	74.57	0.10
3828	0	0	0	1	1	1	8.35	70.60	0.10
3829	0	0	0	1	1	1	12.16	70.60	0.10
3830	0	0	0	1	1	1	15.94	70.60	0.10
3831	0	0	0	1	1	1	19.72	70.60	0.10
3832	0	0	0	1	1	1	23.50	70.60	0.10
3833	0	0	0	1	1	1	27.28	70.60	0.10
3834	0	0	0	1	1	1	31.06	70.60	0.10
3835	0	0	0	1	1	1	34.84	70.60	0.10
3836	0	0	0	1	1	1	38.65	70.60	0.10
3837	0	0	0	1	1	1	8.35	66.63	0.10
3838	0	0	0	1	1	1	12.16	66.63	0.10
3839	0	0	0	1	1	1	15.94	66.63	0.10
3840	0	0	0	1	1	1	19.72	66.63	0.10
3841	0	0	0	1	1	1	23.50	66.63	0.10
3842	0	0	0	1	1	1	27.28	66.63	0.10
3843	0	0	0	1	1	1	31.06	66.63	0.10
3844	0	0	0	1	1	1	34.84	66.63	0.10
3845	0	0	0	1	1	1	38.65	66.63	0.10
3846	0	0	0	1	1	1	8.35	62.66	0.10
3847	0	0	0	1	1	1	12.16	62.66	0.10
3848	0	0	0	1	1	1	15.94	62.66	0.10
3849	0	0	0	1	1	1	19.72	62.66	0.10
3850	0	0	0	1	1	1	23.50	62.66	0.10
3851	0	0	0	1	1	1	27.28	62.66	0.10
3852	0	0	0	1	1	1	31.06	62.66	0.10
3853	0	0	0	1	1	1	34.84	62.66	0.10
3854	0	0	0	1	1	1	38.65	62.66	0.10
3855	0	0	0	1	1	1	8.35	58.70	0.10

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3856	0	0	0	1	1	1	12.16	58.70	0.10
3857	0	0	0	1	1	1	15.94	58.70	0.10
3858	0	0	0	1	1	1	19.72	58.70	0.10
3859	0	0	0	1	1	1	23.50	58.70	0.10
3860	0	0	0	1	1	1	27.28	58.70	0.10
3861	0	0	0	1	1	1	31.06	58.70	0.10
3862	0	0	0	1	1	1	34.84	58.70	0.10
3863	0	0	0	1	1	1	38.65	58.70	0.10
3864	1	1	1	1	1	1	0.00	0.00	0.00
4000	1	1	1	1	1	1	0.00	0.00	0.00
4001	0	0	0	1	1	1	8.35	82.50	-1.00
4002	0	0	0	1	1	1	12.16	82.50	-1.00
4003	0	0	0	1	1	1	15.94	82.50	-1.00
4004	0	0	0	1	1	1	19.72	82.50	-1.00
4005	0	0	0	1	1	1	23.50	82.50	-1.00
4006	0	0	0	1	1	1	27.28	82.50	-1.00
4007	0	0	0	1	1	1	31.06	82.50	-1.00
4008	0	0	0	1	1	1	34.84	82.50	-1.00
4009	0	0	0	1	1	1	38.65	82.50	-1.00
4010	0	0	0	1	1	1	8.35	78.54	-1.00
4011	0	0	0	1	1	1	12.16	78.54	-1.00
4012	0	0	0	1	1	1	15.94	78.54	-1.00
4013	0	0	0	1	1	1	19.72	78.54	-1.00
4014	0	0	0	1	1	1	23.50	78.54	-1.00
4015	0	0	0	1	1	1	27.28	78.54	-1.00
4016	0	0	0	1	1	1	31.06	78.54	-1.00
4017	0	0	0	1	1	1	34.84	78.54	-1.00
4018	0	0	0	1	1	1	38.65	78.54	-1.00
4019	0	0	0	1	1	1	8.35	74.57	-1.00
4020	0	0	0	1	1	1	12.16	74.57	-1.00
4021	0	0	0	1	1	1	15.94	74.57	-1.00
4022	0	0	0	1	1	1	19.72	74.57	-1.00
4023	0	0	0	1	1	1	23.50	74.57	-1.00
4024	0	0	0	1	1	1	27.28	74.57	-1.00
4025	0	0	0	1	1	1	31.06	74.57	-1.00
4026	0	0	0	1	1	1	34.84	74.57	-1.00
4027	0	0	0	1	1	1	38.65	74.57	-1.00
4028	0	0	0	1	1	1	8.35	70.60	-1.00
4029	0	0	0	1	1	1	12.16	70.60	-1.00
4030	0	0	0	1	1	1	15.94	70.60	-1.00
4031	0	0	0	1	1	1	19.72	70.60	-1.00
4032	0	0	0	1	1	1	23.50	70.60	-1.00
4033	0	0	0	1	1	1	27.28	70.60	-1.00
4034	0	0	0	1	1	1	31.06	70.60	-1.00
4035	0	0	0	1	1	1	34.84	70.60	-1.00
4036	0	0	0	1	1	1	38.65	70.60	-1.00
4037	0	0	0	1	1	1	8.35	66.63	-1.00
4038	0	0	0	1	1	1	12.16	66.63	-1.00
4039	0	0	0	1	1	1	15.94	66.63	-1.00
4040	0	0	0	1	1	1	19.72	66.63	-1.00
4041	0	0	0	1	1	1	23.50	66.63	-1.00
4042	0	0	0	1	1	1	27.28	66.63	-1.00
4043	0	0	0	1	1	1	31.06	66.63	-1.00
4044	0	0	0	1	1	1	34.84	66.63	-1.00
4045	0	0	0	1	1	1	38.65	66.63	-1.00
4046	0	0	0	1	1	1	8.35	62.66	-1.00
4047	0	0	0	1	1	1	12.16	62.66	-1.00
4048	0	0	0	1	1	1	15.94	62.66	-1.00
4049	0	0	0	1	1	1	19.72	62.66	-1.00
4050	0	0	0	1	1	1	23.50	62.66	-1.00
4051	0	0	0	1	1	1	27.28	62.66	-1.00
4052	0	0	0	1	1	1	31.06	62.66	-1.00
4053	0	0	0	1	1	1	34.84	62.66	-1.00

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4054	0	0	0	1	1	1	38.65	62.66	-1.00
4055	0	0	0	1	1	1	8.35	58.70	-1.00
4056	0	0	0	1	1	1	12.16	58.70	-1.00
4057	0	0	0	1	1	1	15.94	58.70	-1.00
4058	0	0	0	1	1	1	19.72	58.70	-1.00
4059	0	0	0	1	1	1	23.50	58.70	-1.00
4060	0	0	0	1	1	1	27.28	58.70	-1.00
4061	0	0	0	1	1	1	31.06	58.70	-1.00
4062	0	0	0	1	1	1	34.84	58.70	-1.00
4063	0	0	0	1	1	1	38.65	58.70	-1.00
4064	1	1	1	1	1	1	0.00	0.00	0.00
4200	1	1	1	1	1	1	0.00	0.00	0.00
4201	0	0	0	1	1	1	8.35	82.50	-2.00
4202	0	0	0	1	1	1	12.16	82.50	-2.00
4203	0	0	0	1	1	1	15.94	82.50	-2.00
4204	0	0	0	1	1	1	19.72	82.50	-2.00
4205	0	0	0	1	1	1	23.50	82.50	-2.00
4206	0	0	0	1	1	1	27.28	82.50	-2.00
4207	0	0	0	1	1	1	31.06	82.50	-2.00
4208	0	0	0	1	1	1	34.84	82.50	-2.00
4209	0	0	0	1	1	1	38.65	82.50	-2.00
4210	0	0	0	1	1	1	8.35	78.54	-2.00
4211	0	0	0	1	1	1	12.16	78.54	-2.00
4212	0	0	0	1	1	1	15.94	78.54	-2.00
4213	0	0	0	1	1	1	19.72	78.54	-2.00
4214	0	0	0	1	1	1	23.50	78.54	-2.00
4215	0	0	0	1	1	1	27.28	78.54	-2.00
4216	0	0	0	1	1	1	31.06	78.54	-2.00
4217	0	0	0	1	1	1	34.84	78.54	-2.00
4218	0	0	0	1	1	1	38.65	78.54	-2.00
4219	0	0	0	1	1	1	8.35	74.57	-2.00
4220	0	0	0	1	1	1	12.16	74.57	-2.00
4221	0	0	0	1	1	1	15.94	74.57	-2.00
4222	0	0	0	1	1	1	19.72	74.57	-2.00
4223	0	0	0	1	1	1	23.50	74.57	-2.00
4224	0	0	0	1	1	1	27.28	74.57	-2.00
4225	0	0	0	1	1	1	31.06	74.57	-2.00
4226	0	0	0	1	1	1	34.84	74.57	-2.00
4227	0	0	0	1	1	1	38.65	74.57	-2.00
4228	0	0	0	1	1	1	8.35	70.60	-2.00
4229	0	0	0	1	1	1	12.16	70.60	-2.00
4230	0	0	0	1	1	1	15.94	70.60	-2.00
4231	0	0	0	1	1	1	19.72	70.60	-2.00
4232	0	0	0	1	1	1	23.50	70.60	-2.00
4233	0	0	0	1	1	1	27.28	70.60	-2.00
4234	0	0	0	1	1	1	31.06	70.60	-2.00
4235	0	0	0	1	1	1	34.84	70.60	-2.00
4236	0	0	0	1	1	1	38.65	70.60	-2.00
4237	0	0	0	1	1	1	8.35	66.63	-2.00
4238	0	0	0	1	1	1	12.16	66.63	-2.00
4239	0	0	0	1	1	1	15.94	66.63	-2.00
4240	0	0	0	1	1	1	19.72	66.63	-2.00
4241	0	0	0	1	1	1	23.50	66.63	-2.00
4242	0	0	0	1	1	1	27.28	66.63	-2.00
4243	0	0	0	1	1	1	31.06	66.63	-2.00
4244	0	0	0	1	1	1	34.84	66.63	-2.00
4245	0	0	0	1	1	1	38.65	66.63	-2.00
4246	0	0	0	1	1	1	8.35	62.66	-2.00
4247	0	0	0	1	1	1	12.16	62.66	-2.00
4248	0	0	0	1	1	1	15.94	62.66	-2.00
4249	0	0	0	1	1	1	19.72	62.66	-2.00
4250	0	0	0	1	1	1	23.50	62.66	-2.00
4251	0	0	0	1	1	1	27.28	62.66	-2.00

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4252	0	0	0	1	1	1	31.06	62.66	-2.00
4253	0	0	0	1	1	1	34.84	62.66	-2.00
4254	0	0	0	1	1	1	38.65	62.66	-2.00
4255	0	0	0	1	1	1	8.35	58.70	-2.00
4256	0	0	0	1	1	1	12.16	58.70	-2.00
4257	0	0	0	1	1	1	15.94	58.70	-2.00
4258	0	0	0	1	1	1	19.72	58.70	-2.00
4259	0	0	0	1	1	1	23.50	58.70	-2.00
4260	0	0	0	1	1	1	27.28	58.70	-2.00
4261	0	0	0	1	1	1	31.06	58.70	-2.00
4262	0	0	0	1	1	1	34.84	58.70	-2.00
4263	0	0	0	1	1	1	38.65	58.70	-2.00
4264	1	1	1	1	1	1	0.00	0.00	0.00
4400	1	1	1	1	1	1	0.00	0.00	0.00
4401	0	0	0	1	1	1	8.35	82.50	-3.10
4402	0	0	0	1	1	1	12.16	82.50	-3.10
4403	0	0	0	1	1	1	15.94	82.50	-3.10
4404	0	0	0	1	1	1	19.72	82.50	-3.10
4405	0	0	0	1	1	1	23.50	82.50	-3.10
4406	0	0	0	1	1	1	27.28	82.50	-3.10
4407	0	0	0	1	1	1	31.06	82.50	-3.10
4408	0	0	0	1	1	1	34.84	82.50	-3.10
4409	0	0	0	1	1	1	38.65	82.50	-3.10
4410	0	0	0	1	1	1	8.35	78.54	-3.10
4411	0	0	0	1	1	1	12.16	78.54	-3.10
4412	0	0	0	1	1	1	15.94	78.54	-3.10
4413	0	0	0	1	1	1	19.72	78.54	-3.10
4414	0	0	0	1	1	1	23.50	78.54	-3.10
4415	0	0	0	1	1	1	27.28	78.54	-3.10
4416	0	0	0	1	1	1	31.06	78.54	-3.10
4417	0	0	0	1	1	1	34.84	78.54	-3.10
4418	0	0	0	1	1	1	38.65	78.54	-3.10
4419	0	0	0	1	1	1	8.35	74.57	-3.10
4420	0	0	0	1	1	1	12.16	74.57	-3.10
4421	0	0	0	1	1	1	15.94	74.57	-3.10
4422	0	0	0	1	1	1	19.72	74.57	-3.10
4423	0	0	0	1	1	1	23.50	74.57	-3.10
4424	0	0	0	1	1	1	27.28	74.57	-3.10
4425	0	0	0	1	1	1	31.06	74.57	-3.10
4426	0	0	0	1	1	1	34.84	74.57	-3.10
4427	0	0	0	1	1	1	38.65	74.57	-3.10
4428	0	0	0	1	1	1	8.35	70.60	-3.10
4429	0	0	0	1	1	1	12.16	70.60	-3.10
4430	0	0	0	1	1	1	15.94	70.60	-3.10
4431	0	0	0	1	1	1	19.72	70.60	-3.10
4432	0	0	0	1	1	1	23.50	70.60	-3.10
4433	0	0	0	1	1	1	27.28	70.60	-3.10
4434	0	0	0	1	1	1	31.06	70.60	-3.10
4435	0	0	0	1	1	1	34.84	70.60	-3.10
4436	0	0	0	1	1	1	38.65	70.60	-3.10
4437	0	0	0	1	1	1	8.35	66.63	-3.10
4438	0	0	0	1	1	1	12.16	66.63	-3.10
4439	0	0	0	1	1	1	15.94	66.63	-3.10
4440	0	0	0	1	1	1	19.72	66.63	-3.10
4441	0	0	0	1	1	1	23.50	66.63	-3.10
4442	0	0	0	1	1	1	27.28	66.63	-3.10
4443	0	0	0	1	1	1	31.06	66.63	-3.10
4444	0	0	0	1	1	1	34.84	66.63	-3.10
4445	0	0	0	1	1	1	38.65	66.63	-3.10
4446	0	0	0	1	1	1	8.35	62.66	-3.10
4447	0	0	0	1	1	1	12.16	62.66	-3.10
4448	0	0	0	1	1	1	15.94	62.66	-3.10
4449	0	0	0	1	1	1	19.72	62.66	-3.10



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4450	0	0	0	1	1	1	23.50	62.66	-3.10
4451	0	0	0	1	1	1	27.28	62.66	-3.10
4452	0	0	0	1	1	1	31.06	62.66	-3.10
4453	0	0	0	1	1	1	34.84	62.66	-3.10
4454	0	0	0	1	1	1	38.65	62.66	-3.10
4455	0	0	0	1	1	1	8.35	58.70	-3.10
4456	0	0	0	1	1	1	12.16	58.70	-3.10
4457	0	0	0	1	1	1	15.94	58.70	-3.10
4458	0	0	0	1	1	1	19.72	58.70	-3.10
4459	0	0	0	1	1	1	23.50	58.70	-3.10
4460	0	0	0	1	1	1	27.28	58.70	-3.10
4461	0	0	0	1	1	1	31.06	58.70	-3.10
4462	0	0	0	1	1	1	34.84	58.70	-3.10
4463	0	0	0	1	1	1	38.65	58.70	-3.10
4464	1	1	1	1	1	1	0.00	0.00	0.00
4600	1	1	1	1	1	1	0.00	0.00	0.00
4601	0	0	0	1	1	1	8.35	82.50	-4.20
4602	0	0	0	1	1	1	12.16	82.50	-4.20
4603	0	0	0	1	1	1	15.94	82.50	-4.20
4604	0	0	0	1	1	1	19.72	82.50	-4.20
4605	0	0	0	1	1	1	23.50	82.50	-4.20
4606	0	0	0	1	1	1	27.28	82.50	-4.20
4607	0	0	0	1	1	1	31.06	82.50	-4.20
4608	0	0	0	1	1	1	34.84	82.50	-4.20
4609	0	0	0	1	1	1	38.65	82.50	-4.20
4610	0	0	0	1	1	1	8.35	78.54	-4.20
4611	0	0	0	1	1	1	12.16	78.54	-4.20
4612	0	0	0	1	1	1	15.94	78.54	-4.20
4613	0	0	0	1	1	1	19.72	78.54	-4.20
4614	0	0	0	1	1	1	23.50	78.54	-4.20
4615	0	0	0	1	1	1	27.28	78.54	-4.20
4616	0	0	0	1	1	1	31.06	78.54	-4.20
4617	0	0	0	1	1	1	34.84	78.54	-4.20
4618	0	0	0	1	1	1	38.65	78.54	-4.20
4619	0	0	0	1	1	1	8.35	74.57	-4.20
4620	0	0	0	1	1	1	12.16	74.57	-4.20
4621	0	0	0	1	1	1	15.94	74.57	-4.20
4622	0	0	0	1	1	1	19.72	74.57	-4.20
4623	0	0	0	1	1	1	23.50	74.57	-4.20
4624	0	0	0	1	1	1	27.28	74.57	-4.20
4625	0	0	0	1	1	1	31.06	74.57	-4.20
4626	0	0	0	1	1	1	34.84	74.57	-4.20
4627	0	0	0	1	1	1	38.65	74.57	-4.20
4628	0	0	0	1	1	1	8.35	70.60	-4.20
4629	0	0	0	1	1	1	12.16	70.60	-4.20
4630	0	0	0	1	1	1	15.94	70.60	-4.20
4631	0	0	0	1	1	1	19.72	70.60	-4.20
4632	0	0	0	1	1	1	23.50	70.60	-4.20
4633	0	0	0	1	1	1	27.28	70.60	-4.20
4634	0	0	0	1	1	1	31.06	70.60	-4.20
4635	0	0	0	1	1	1	34.84	70.60	-4.20
4636	0	0	0	1	1	1	38.65	70.60	-4.20
4637	0	0	0	1	1	1	8.35	66.63	-4.20
4638	0	0	0	1	1	1	12.16	66.63	-4.20
4639	0	0	0	1	1	1	15.94	66.63	-4.20
4640	0	0	0	1	1	1	19.72	66.63	-4.20
4641	0	0	0	1	1	1	23.50	66.63	-4.20
4642	0	0	0	1	1	1	27.28	66.63	-4.20
4643	0	0	0	1	1	1	31.06	66.63	-4.20
4644	0	0	0	1	1	1	34.84	66.63	-4.20
4645	0	0	0	1	1	1	38.65	66.63	-4.20
4646	0	0	0	1	1	1	8.35	62.66	-4.20
4647	0	0	0	1	1	1	12.16	62.66	-4.20

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4648	0	0	0	1	1	1	15.94	62.66	-4.20
4649	0	0	0	1	1	1	19.72	62.66	-4.20
4650	0	0	0	1	1	1	23.50	62.66	-4.20
4651	0	0	0	1	1	1	27.28	62.66	-4.20
4652	0	0	0	1	1	1	31.06	62.66	-4.20
4653	0	0	0	1	1	1	34.84	62.66	-4.20
4654	0	0	0	1	1	1	38.65	62.66	-4.20
4655	0	0	0	1	1	1	8.35	58.70	-4.20
4656	0	0	0	1	1	1	12.16	58.70	-4.20
4657	0	0	0	1	1	1	15.94	58.70	-4.20
4658	0	0	0	1	1	1	19.72	58.70	-4.20
4659	0	0	0	1	1	1	23.50	58.70	-4.20
4660	0	0	0	1	1	1	27.28	58.70	-4.20
4661	0	0	0	1	1	1	31.06	58.70	-4.20
4662	0	0	0	1	1	1	34.84	58.70	-4.20
4663	0	0	0	1	1	1	38.65	58.70	-4.20
4664	1	1	1	1	1	1	0.00	0.00	0.00
4800	1	1	1	1	1	1	0.00	0.00	0.00
4801	0	0	0	1	1	1	8.35	82.50	-5.30
4802	0	0	0	1	1	1	12.16	82.50	-5.30
4803	0	0	0	1	1	1	15.94	82.50	-5.30
4804	0	0	0	1	1	1	19.72	82.50	-5.30
4805	0	0	0	1	1	1	23.50	82.50	-5.30
4806	0	0	0	1	1	1	27.28	82.50	-5.30
4807	0	0	0	1	1	1	31.06	82.50	-5.30
4808	0	0	0	1	1	1	34.84	82.50	-5.30
4809	0	0	0	1	1	1	38.65	82.50	-5.30
4810	0	0	0	1	1	1	8.35	78.54	-5.30
4811	0	0	0	1	1	1	12.16	78.54	-5.30
4812	0	0	0	1	1	1	15.94	78.54	-5.30
4813	0	0	0	1	1	1	19.72	78.54	-5.30
4814	0	0	0	1	1	1	23.50	78.54	-5.30
4815	0	0	0	1	1	1	27.28	78.54	-5.30
4816	0	0	0	1	1	1	31.06	78.54	-5.30
4817	0	0	0	1	1	1	34.84	78.54	-5.30
4818	0	0	0	1	1	1	38.65	78.54	-5.30
4819	0	0	0	1	1	1	8.35	74.57	-5.30
4820	0	0	0	1	1	1	12.16	74.57	-5.30
4821	0	0	0	1	1	1	15.94	74.57	-5.30
4822	0	0	0	1	1	1	19.72	74.57	-5.30
4823	0	0	0	1	1	1	23.50	74.57	-5.30
4824	0	0	0	1	1	1	27.28	74.57	-5.30
4825	0	0	0	1	1	1	31.06	74.57	-5.30
4826	0	0	0	1	1	1	34.84	74.57	-5.30
4827	0	0	0	1	1	1	38.65	74.57	-5.30
4828	0	0	0	1	1	1	8.35	70.60	-5.30
4829	0	0	0	1	1	1	12.16	70.60	-5.30
4830	0	0	0	1	1	1	15.94	70.60	-5.30
4831	0	0	0	1	1	1	19.72	70.60	-5.30
4832	0	0	0	1	1	1	23.50	70.60	-5.30
4833	0	0	0	1	1	1	27.28	70.60	-5.30
4834	0	0	0	1	1	1	31.06	70.60	-5.30
4835	0	0	0	1	1	1	34.84	70.60	-5.30
4836	0	0	0	1	1	1	38.65	70.60	-5.30
4837	0	0	0	1	1	1	8.35	66.63	-5.30
4838	0	0	0	1	1	1	12.16	66.63	-5.30
4839	0	0	0	1	1	1	15.94	66.63	-5.30
4840	0	0	0	1	1	1	19.72	66.63	-5.30
4841	0	0	0	1	1	1	23.50	66.63	-5.30
4842	0	0	0	1	1	1	27.28	66.63	-5.30
4843	0	0	0	1	1	1	31.06	66.63	-5.30
4844	0	0	0	1	1	1	34.84	66.63	-5.30
4845	0	0	0	1	1	1	38.65	66.63	-5.30

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4846	0	0	0	1	1	1	8.35	62.66	-5.30
4847	0	0	0	1	1	1	12.16	62.66	-5.30
4848	0	0	0	1	1	1	15.94	62.66	-5.30
4849	0	0	0	1	1	1	19.72	62.66	-5.30
4850	0	0	0	1	1	1	23.50	62.66	-5.30
4851	0	0	0	1	1	1	27.28	62.66	-5.30
4852	0	0	0	1	1	1	31.06	62.66	-5.30
4853	0	0	0	1	1	1	34.84	62.66	-5.30
4854	0	0	0	1	1	1	38.65	62.66	-5.30
4855	0	0	0	1	1	1	8.35	58.70	-5.30
4856	0	0	0	1	1	1	12.16	58.70	-5.30
4857	0	0	0	1	1	1	15.94	58.70	-5.30
4858	0	0	0	1	1	1	19.72	58.70	-5.30
4859	0	0	0	1	1	1	23.50	58.70	-5.30
4860	0	0	0	1	1	1	27.28	58.70	-5.30
4861	0	0	0	1	1	1	31.06	58.70	-5.30
4862	0	0	0	1	1	1	34.84	58.70	-5.30
4863	0	0	0	1	1	1	38.65	58.70	-5.30
4864	1	1	1	1	1	1	0.00	0.00	0.00
5000	1	1	1	1	1	1	0.00	0.00	0.00
5001	0	0	0	1	1	1	8.35	82.50	-6.40
5002	0	0	0	1	1	1	12.16	82.50	-6.40
5003	0	0	0	1	1	1	15.94	82.50	-6.40
5004	0	0	0	1	1	1	19.72	82.50	-6.40
5005	0	0	0	1	1	1	23.50	82.50	-6.40
5006	0	0	0	1	1	1	27.28	82.50	-6.40
5007	0	0	0	1	1	1	31.06	82.50	-6.40
5008	0	0	0	1	1	1	34.84	82.50	-6.40
5009	0	0	0	1	1	1	38.65	82.50	-6.40
5010	0	0	0	1	1	1	8.35	78.54	-6.40
5011	0	0	0	1	1	1	12.16	78.54	-6.40
5012	0	0	0	1	1	1	15.94	78.54	-6.40
5013	0	0	0	1	1	1	19.72	78.54	-6.40
5014	0	0	0	1	1	1	23.50	78.54	-6.40
5015	0	0	0	1	1	1	27.28	78.54	-6.40
5016	0	0	0	1	1	1	31.06	78.54	-6.40
5017	0	0	0	1	1	1	34.84	78.54	-6.40
5018	0	0	0	1	1	1	38.65	78.54	-6.40
5019	0	0	0	1	1	1	8.35	74.57	-6.40
5020	0	0	0	1	1	1	12.16	74.57	-6.40
5021	0	0	0	1	1	1	15.94	74.57	-6.40
5022	0	0	0	1	1	1	19.72	74.57	-6.40
5023	0	0	0	1	1	1	23.50	74.57	-6.40
5024	0	0	0	1	1	1	27.28	74.57	-6.40
5025	0	0	0	1	1	1	31.06	74.57	-6.40
5026	0	0	0	1	1	1	34.84	74.57	-6.40
5027	0	0	0	1	1	1	38.65	74.57	-6.40
5028	0	0	0	1	1	1	8.35	70.60	-6.40
5029	0	0	0	1	1	1	12.16	70.60	-6.40
5030	0	0	0	1	1	1	15.94	70.60	-6.40
5031	0	0	0	1	1	1	19.72	70.60	-6.40
5032	0	0	0	1	1	1	23.50	70.60	-6.40
5033	0	0	0	1	1	1	27.28	70.60	-6.40
5034	0	0	0	1	1	1	31.06	70.60	-6.40
5035	0	0	0	1	1	1	34.84	70.60	-6.40
5036	0	0	0	1	1	1	38.65	70.60	-6.40
5037	0	0	0	1	1	1	8.35	66.63	-6.40
5038	0	0	0	1	1	1	12.16	66.63	-6.40
5039	0	0	0	1	1	1	15.94	66.63	-6.40
5040	0	0	0	1	1	1	19.72	66.63	-6.40
5041	0	0	0	1	1	1	23.50	66.63	-6.40
5042	0	0	0	1	1	1	27.28	66.63	-6.40
5043	0	0	0	1	1	1	31.06	66.63	-6.40

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5044	0	0	0	1	1	1	34.84	66.63	-6.40
5045	0	0	0	1	1	1	38.65	66.63	-6.40
5046	0	0	0	1	1	1	8.35	62.66	-6.40
5047	0	0	0	1	1	1	12.16	62.66	-6.40
5048	0	0	0	1	1	1	15.94	62.66	-6.40
5049	0	0	0	1	1	1	19.72	62.66	-6.40
5050	0	0	0	1	1	1	23.50	62.66	-6.40
5051	0	0	0	1	1	1	27.28	62.66	-6.40
5052	0	0	0	1	1	1	31.06	62.66	-6.40
5053	0	0	0	1	1	1	34.84	62.66	-6.40
5054	0	0	0	1	1	1	38.65	62.66	-6.40
5055	0	0	0	1	1	1	8.35	58.70	-6.40
5056	0	0	0	1	1	1	12.16	58.70	-6.40
5057	0	0	0	1	1	1	15.94	58.70	-6.40
5058	0	0	0	1	1	1	19.72	58.70	-6.40
5059	0	0	0	1	1	1	23.50	58.70	-6.40
5060	0	0	0	1	1	1	27.28	58.70	-6.40
5061	0	0	0	1	1	1	31.06	58.70	-6.40
5062	0	0	0	1	1	1	34.84	58.70	-6.40
5063	0	0	0	1	1	1	38.65	58.70	-6.40
5064	1	1	1	1	1	1	0.00	0.00	0.00
5200	1	1	1	1	1	1	0.00	0.00	0.00
5201	0	0	0	1	1	1	8.35	82.50	-7.40
5202	0	0	0	1	1	1	12.16	82.50	-7.40
5203	0	0	0	1	1	1	15.94	82.50	-7.40
5204	0	0	0	1	1	1	19.72	82.50	-7.40
5205	0	0	0	1	1	1	23.50	82.50	-7.40
5206	0	0	0	1	1	1	27.28	82.50	-7.40
5207	0	0	0	1	1	1	31.06	82.50	-7.40
5208	0	0	0	1	1	1	34.84	82.50	-7.40
5209	0	0	0	1	1	1	38.65	82.50	-7.40
5210	0	0	0	1	1	1	8.35	78.54	-7.40
5211	0	0	0	1	1	1	12.16	78.54	-7.40
5212	0	0	0	1	1	1	15.94	78.54	-7.40
5213	0	0	0	1	1	1	19.72	78.54	-7.40
5214	0	0	0	1	1	1	23.50	78.54	-7.40
5215	0	0	0	1	1	1	27.28	78.54	-7.40
5216	0	0	0	1	1	1	31.06	78.54	-7.40
5217	0	0	0	1	1	1	34.84	78.54	-7.40
5218	0	0	0	1	1	1	38.65	78.54	-7.40
5219	0	0	0	1	1	1	8.35	74.57	-7.40
5220	0	0	0	1	1	1	12.16	74.57	-7.40
5221	0	0	0	1	1	1	15.94	74.57	-7.40
5222	0	0	0	1	1	1	19.72	74.57	-7.40
5223	0	0	0	1	1	1	23.50	74.57	-7.40
5224	0	0	0	1	1	1	27.28	74.57	-7.40
5225	0	0	0	1	1	1	31.06	74.57	-7.40
5226	0	0	0	1	1	1	34.84	74.57	-7.40
5227	0	0	0	1	1	1	38.65	74.57	-7.40
5228	0	0	0	1	1	1	8.35	70.60	-7.40
5229	0	0	0	1	1	1	12.16	70.60	-7.40
5230	0	0	0	1	1	1	15.94	70.60	-7.40
5231	0	0	0	1	1	1	19.72	70.60	-7.40
5232	0	0	0	1	1	1	23.50	70.60	-7.40
5233	0	0	0	1	1	1	27.28	70.60	-7.40
5234	0	0	0	1	1	1	31.06	70.60	-7.40
5235	0	0	0	1	1	1	34.84	70.60	-7.40
5236	0	0	0	1	1	1	38.65	70.60	-7.40
5237	0	0	0	1	1	1	8.35	66.63	-7.40
5238	0	0	0	1	1	1	12.16	66.63	-7.40
5239	0	0	0	1	1	1	15.94	66.63	-7.40
5240	0	0	0	1	1	1	19.72	66.63	-7.40
5241	0	0	0	1	1	1	23.50	66.63	-7.40

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5242	0	0	0	1	1	1	27.28	66.63	-7.40
5243	0	0	0	1	1	1	31.06	66.63	-7.40
5244	0	0	0	1	1	1	34.84	66.63	-7.40
5245	0	0	0	1	1	1	38.65	66.63	-7.40
5246	0	0	0	1	1	1	8.35	62.66	-7.40
5247	0	0	0	1	1	1	12.16	62.66	-7.40
5248	0	0	0	1	1	1	15.94	62.66	-7.40
5249	0	0	0	1	1	1	19.72	62.66	-7.40
5250	0	0	0	1	1	1	23.50	62.66	-7.40
5251	0	0	0	1	1	1	27.28	62.66	-7.40
5252	0	0	0	1	1	1	31.06	62.66	-7.40
5253	0	0	0	1	1	1	34.84	62.66	-7.40
5254	0	0	0	1	1	1	38.65	62.66	-7.40
5255	0	0	0	1	1	1	8.35	58.70	-7.40
5256	0	0	0	1	1	1	12.16	58.70	-7.40
5257	0	0	0	1	1	1	15.94	58.70	-7.40
5258	0	0	0	1	1	1	19.72	58.70	-7.40
5259	0	0	0	1	1	1	23.50	58.70	-7.40
5260	0	0	0	1	1	1	27.28	58.70	-7.40
5261	0	0	0	1	1	1	31.06	58.70	-7.40
5262	0	0	0	1	1	1	34.84	58.70	-7.40
5263	0	0	0	1	1	1	38.65	58.70	-7.40
5264	1	1	1	1	1	1	0.00	0.00	0.00
5400	1	1	1	1	1	1	0.00	0.00	0.00
5401	0	0	0	1	1	1	8.35	82.50	-8.40
5402	0	0	0	1	1	1	12.16	82.50	-8.40
5403	0	0	0	1	1	1	15.94	82.50	-8.40
5404	0	0	0	1	1	1	19.72	82.50	-8.40
5405	0	0	0	1	1	1	23.50	82.50	-8.40
5406	0	0	0	1	1	1	27.28	82.50	-8.40
5407	0	0	0	1	1	1	31.06	82.50	-8.40
5408	0	0	0	1	1	1	34.84	82.50	-8.40
5409	0	0	0	1	1	1	38.65	82.50	-8.40
5410	0	0	0	1	1	1	8.35	78.54	-8.40
5411	0	0	0	1	1	1	12.16	78.54	-8.40
5412	0	0	0	1	1	1	15.94	78.54	-8.40
5413	0	0	0	1	1	1	19.72	78.54	-8.40
5414	0	0	0	1	1	1	23.50	78.54	-8.40
5415	0	0	0	1	1	1	27.28	78.54	-8.40
5416	0	0	0	1	1	1	31.06	78.54	-8.40
5417	0	0	0	1	1	1	34.84	78.54	-8.40
5418	0	0	0	1	1	1	38.65	78.54	-8.40
5419	0	0	0	1	1	1	8.35	74.57	-8.40
5420	0	0	0	1	1	1	12.16	74.57	-8.40
5421	0	0	0	1	1	1	15.94	74.57	-8.40
5422	0	0	0	1	1	1	19.72	74.57	-8.40
5423	0	0	0	1	1	1	23.50	74.57	-8.40
5424	0	0	0	1	1	1	27.28	74.57	-8.40
5425	0	0	0	1	1	1	31.06	74.57	-8.40
5426	0	0	0	1	1	1	34.84	74.57	-8.40
5427	0	0	0	1	1	1	38.65	74.57	-8.40
5428	0	0	0	1	1	1	8.35	70.60	-8.40
5429	0	0	0	1	1	1	12.16	70.60	-8.40
5430	0	0	0	1	1	1	15.94	70.60	-8.40
5431	0	0	0	1	1	1	19.72	70.60	-8.40
5432	0	0	0	1	1	1	23.50	70.60	-8.40
5433	0	0	0	1	1	1	27.28	70.60	-8.40
5434	0	0	0	1	1	1	31.06	70.60	-8.40
5435	0	0	0	1	1	1	34.84	70.60	-8.40
5436	0	0	0	1	1	1	38.65	70.60	-8.40
5437	0	0	0	1	1	1	8.35	66.63	-8.40
5438	0	0	0	1	1	1	12.16	66.63	-8.40
5439	0	0	0	1	1	1	15.94	66.63	-8.40

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5440	0	0	0	1	1	1	19.72	66.63	-8.40
5441	0	0	0	1	1	1	23.50	66.63	-8.40
5442	0	0	0	1	1	1	27.28	66.63	-8.40
5443	0	0	0	1	1	1	31.06	66.63	-8.40
5444	0	0	0	1	1	1	34.84	66.63	-8.40
5445	0	0	0	1	1	1	38.65	66.63	-8.40
5446	0	0	0	1	1	1	8.35	62.66	-8.40
5447	0	0	0	1	1	1	12.16	62.66	-8.40
5448	0	0	0	1	1	1	15.94	62.66	-8.40
5449	0	0	0	1	1	1	19.72	62.66	-8.40
5450	0	0	0	1	1	1	23.50	62.66	-8.40
5451	0	0	0	1	1	1	27.28	62.66	-8.40
5452	0	0	0	1	1	1	31.06	62.66	-8.40
5453	0	0	0	1	1	1	34.84	62.66	-8.40
5454	0	0	0	1	1	1	38.65	62.66	-8.40
5455	0	0	0	1	1	1	8.35	58.70	-8.40
5456	0	0	0	1	1	1	12.16	58.70	-8.40
5457	0	0	0	1	1	1	15.94	58.70	-8.40
5458	0	0	0	1	1	1	19.72	58.70	-8.40
5459	0	0	0	1	1	1	23.50	58.70	-8.40
5460	0	0	0	1	1	1	27.28	58.70	-8.40
5461	0	0	0	1	1	1	31.06	58.70	-8.40
5462	0	0	0	1	1	1	34.84	58.70	-8.40
5463	0	0	0	1	1	1	38.65	58.70	-8.40
5464	1	1	1	1	1	1	0.00	0.00	0.00
5600	1	1	1	1	1	1	0.00	0.00	0.00
5601	0	0	0	1	1	1	8.35	82.50	-9.40
5602	0	0	0	1	1	1	12.16	82.50	-9.40
5603	0	0	0	1	1	1	15.94	82.50	-9.40
5604	0	0	0	1	1	1	19.72	82.50	-9.40
5605	0	0	0	1	1	1	23.50	82.50	-9.40
5606	0	0	0	1	1	1	27.28	82.50	-9.40
5607	0	0	0	1	1	1	31.06	82.50	-9.40
5608	0	0	0	1	1	1	34.84	82.50	-9.40
5609	0	0	0	1	1	1	38.65	82.50	-9.40
5610	0	0	0	1	1	1	8.35	78.54	-9.40
5611	0	0	0	1	1	1	12.16	78.54	-9.40
5612	0	0	0	1	1	1	15.94	78.54	-9.40
5613	0	0	0	1	1	1	19.72	78.54	-9.40
5614	0	0	0	1	1	1	23.50	78.54	-9.40
5615	0	0	0	1	1	1	27.28	78.54	-9.40
5616	0	0	0	1	1	1	31.06	78.54	-9.40
5617	0	0	0	1	1	1	34.84	78.54	-9.40
5618	0	0	0	1	1	1	38.65	78.54	-9.40
5619	0	0	0	1	1	1	8.35	74.57	-9.40
5620	0	0	0	1	1	1	12.16	74.57	-9.40
5621	0	0	0	1	1	1	15.94	74.57	-9.40
5622	0	0	0	1	1	1	19.72	74.57	-9.40
5623	0	0	0	1	1	1	23.50	74.57	-9.40
5624	0	0	0	1	1	1	27.28	74.57	-9.40
5625	0	0	0	1	1	1	31.06	74.57	-9.40
5626	0	0	0	1	1	1	34.84	74.57	-9.40
5627	0	0	0	1	1	1	38.65	74.57	-9.40
5628	0	0	0	1	1	1	8.35	70.60	-9.40
5629	0	0	0	1	1	1	12.16	70.60	-9.40
5630	0	0	0	1	1	1	15.94	70.60	-9.40
5631	0	0	0	1	1	1	19.72	70.60	-9.40
5632	0	0	0	1	1	1	23.50	70.60	-9.40
5633	0	0	0	1	1	1	27.28	70.60	-9.40
5634	0	0	0	1	1	1	31.06	70.60	-9.40
5635	0	0	0	1	1	1	34.84	70.60	-9.40
5636	0	0	0	1	1	1	38.65	70.60	-9.40
5637	0	0	0	1	1	1	8.35	66.63	-9.40

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5638	0	0	0	1	1	1	12.16	66.63	-9.40
5639	0	0	0	1	1	1	15.94	66.63	-9.40
5640	0	0	0	1	1	1	19.72	66.63	-9.40
5641	0	0	0	1	1	1	23.50	66.63	-9.40
5642	0	0	0	1	1	1	27.28	66.63	-9.40
5643	0	0	0	1	1	1	31.06	66.63	-9.40
5644	0	0	0	1	1	1	34.84	66.63	-9.40
5645	0	0	0	1	1	1	38.65	66.63	-9.40
5646	0	0	0	1	1	1	8.35	62.66	-9.40
5647	0	0	0	1	1	1	12.16	62.66	-9.40
5648	0	0	0	1	1	1	15.94	62.66	-9.40
5649	0	0	0	1	1	1	19.72	62.66	-9.40
5650	0	0	0	1	1	1	23.50	62.66	-9.40
5651	0	0	0	1	1	1	27.28	62.66	-9.40
5652	0	0	0	1	1	1	31.06	62.66	-9.40
5653	0	0	0	1	1	1	34.84	62.66	-9.40
5654	0	0	0	1	1	1	38.65	62.66	-9.40
5655	0	0	0	1	1	1	8.35	58.70	-9.40
5656	0	0	0	1	1	1	12.16	58.70	-9.40
5657	0	0	0	1	1	1	15.94	58.70	-9.40
5658	0	0	0	1	1	1	19.72	58.70	-9.40
5659	0	0	0	1	1	1	23.50	58.70	-9.40
5660	0	0	0	1	1	1	27.28	58.70	-9.40
5661	0	0	0	1	1	1	31.06	58.70	-9.40
5662	0	0	0	1	1	1	34.84	58.70	-9.40
5663	0	0	0	1	1	1	38.65	58.70	-9.40
5664	1	1	1	1	1	1	0.00	0.00	0.00
5800	1	1	1	1	1	1	0.00	0.00	0.00
5801	0	0	0	1	1	1	8.35	82.50	-10.40
5802	0	0	0	1	1	1	12.16	82.50	-10.40
5803	0	0	0	1	1	1	15.94	82.50	-10.40
5804	0	0	0	1	1	1	19.72	82.50	-10.40
5805	0	0	0	1	1	1	23.50	82.50	-10.40
5806	0	0	0	1	1	1	27.28	82.50	-10.40
5807	0	0	0	1	1	1	31.06	82.50	-10.40
5808	0	0	0	1	1	1	34.84	82.50	-10.40
5809	0	0	0	1	1	1	38.65	82.50	-10.40
5810	0	0	0	1	1	1	8.35	78.54	-10.40
5811	0	0	0	1	1	1	12.16	78.54	-10.40
5812	0	0	0	1	1	1	15.94	78.54	-10.40
5813	0	0	0	1	1	1	19.72	78.54	-10.40
5814	0	0	0	1	1	1	23.50	78.54	-10.40
5815	0	0	0	1	1	1	27.28	78.54	-10.40
5816	0	0	0	1	1	1	31.06	78.54	-10.40
5817	0	0	0	1	1	1	34.84	78.54	-10.40
5818	0	0	0	1	1	1	38.65	78.54	-10.40
5819	0	0	0	1	1	1	8.35	74.57	-10.40
5820	0	0	0	1	1	1	12.16	74.57	-10.40
5821	0	0	0	1	1	1	15.94	74.57	-10.40
5822	0	0	0	1	1	1	19.72	74.57	-10.40
5823	0	0	0	1	1	1	23.50	74.57	-10.40
5824	0	0	0	1	1	1	27.28	74.57	-10.40
5825	0	0	0	1	1	1	31.06	74.57	-10.40
5826	0	0	0	1	1	1	34.84	74.57	-10.40
5827	0	0	0	1	1	1	38.65	74.57	-10.40
5828	0	0	0	1	1	1	8.35	70.60	-10.40
5829	0	0	0	1	1	1	12.16	70.60	-10.40
5830	0	0	0	1	1	1	15.94	70.60	-10.40
5831	0	0	0	1	1	1	19.72	70.60	-10.40
5832	0	0	0	1	1	1	23.50	70.60	-10.40
5833	0	0	0	1	1	1	27.28	70.60	-10.40
5834	0	0	0	1	1	1	31.06	70.60	-10.40
5835	0	0	0	1	1	1	34.84	70.60	-10.40

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5836	0	0	0	1	1	1	38.65	70.60	-10.40						
5837	0	0	0	1	1	1	8.35	66.63	-10.40						
5838	0	0	0	1	1	1	12.16	66.63	-10.40						
5839	0	0	0	1	1	1	15.94	66.63	-10.40						
5840	0	0	0	1	1	1	19.72	66.63	-10.40						
5841	0	0	0	1	1	1	23.50	66.63	-10.40						
5842	0	0	0	1	1	1	27.28	66.63	-10.40						
5843	0	0	0	1	1	1	31.06	66.63	-10.40						
5844	0	0	0	1	1	1	34.84	66.63	-10.40						
5845	0	0	0	1	1	1	38.65	66.63	-10.40						
5846	0	0	0	1	1	1	8.35	62.66	-10.40						
5847	0	0	0	1	1	1	12.16	62.66	-10.40						
5848	0	0	0	1	1	1	15.94	62.66	-10.40						
5849	0	0	0	1	1	1	19.72	62.66	-10.40						
5850	0	0	0	1	1	1	23.50	62.66	-10.40						
5851	0	0	0	1	1	1	27.28	62.66	-10.40						
5852	0	0	0	1	1	1	31.06	62.66	-10.40						
5853	0	0	0	1	1	1	34.84	62.66	-10.40						
5854	0	0	0	1	1	1	38.65	62.66	-10.40						
5855	0	0	0	1	1	1	8.35	58.70	-10.40						
5856	0	0	0	1	1	1	12.16	58.70	-10.40						
5857	0	0	0	1	1	1	15.94	58.70	-10.40						
5858	0	0	0	1	1	1	19.72	58.70	-10.40						
5859	0	0	0	1	1	1	23.50	58.70	-10.40						
5860	0	0	0	1	1	1	27.28	58.70	-10.40						
5861	0	0	0	1	1	1	31.06	58.70	-10.40						
5862	0	0	0	1	1	1	34.84	58.70	-10.40						
5863	0	0	0	1	1	1	38.65	58.70	-10.40						
455															
3001	3009	-1	3010	3046	-9	3018	3054	-9	3055	3063	-1	3201	3209	-1	3210
3246	-9	3218	3254	-9	3255	3263	-1	3401	3409	-1	3410	3446	-9	3418	3454
-9	3455	3463	-1	3601	3609	-1	3610	3646	-9	3618	3654	-9	3655	3663	-1
3801	3809	-1	3810	3846	-9	3818	3854	-9	3855	3863	-1	4001	4009	-1	4010
4046	-9	4018	4054	-9	4055	4063	-1	4201	4209	-1	4210	4246	-9	4218	4254
-9	4255	4263	-1	4401	4409	-1	4410	4446	-9	4418	4454	-9	4455	4463	-1
4601	4609	-1	4610	4646	-9	4618	4654	-9	4655	4663	-1	4801	4809	-1	4810
4846	-9	4818	4854	-9	4855	4863	-1	5001	5009	-1	5010	5046	-9	5018	5054
-9	5055	5063	-1	5201	5209	-1	5210	5246	-9	5218	5254	-9	5255	5263	-1
5401	5409	-1	5410	5446	-9	5418	5454	-9	5455	5463	-1	5601	5609	-1	5610
5646	-9	5618	5654	-9	5655	5663	-1	5801	5863	-1	0				
1	1.10		2.00	300.00		1461.32		0.05		0.05					
2	1.10	4.50	2.00	0.00	300.00	1461.32		0.05		0.05					
3	1.10	3.40	2.00	1.10	300.00	1461.32		0.05		0.05					
4	1.10	2.30	2.00	2.20	300.00	1461.32		0.05		0.05					
5	1.10	1.20	2.00	3.30	300.00	1461.32		0.05		0.05					
6	1.00	0.10	2.00	4.40	300.00	1461.32		0.05		0.05					
7	1.10	-1.00	2.00	5.50	300.00	1461.32		0.05		0.05					
8	1.10	-2.00	2.00	6.50	300.00	1461.32		0.05		0.05					
9	1.10	-3.10	2.00	7.60	300.00	1461.32		0.05		0.05					
10	1.10	-4.20	2.00	8.70	300.00	1461.32		0.05		0.05					
11	1.00	-5.30	2.00	9.80	300.00	1461.32		0.05		0.05					
12	1.00	-6.40	2.00	10.90	300.00	1461.32		0.05		0.05					



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		-7.40	11.90				
13	1.00	2.00	300.00	1461.32	0.05	0.05	
		-8.40	12.90				
14	1.00	2.00	300.00	1461.32	0.05	0.05	
		-9.40	13.90				
1	672	0	1	1			
SOLID (GR1, CB EXCAVATED SOIL)							
1	3201	3210	3211	3202	3001	3010	3011
2	3210	3219	3220	3211	3010	3019	3020
3	3219	3228	3229	3220	3019	3028	3029
4	3228	3237	3238	3229	3028	3037	3038
5	3237	3246	3247	3238	3037	3046	3047
6	3246	3255	3256	3247	3046	3055	3056
7	3202	3211	3212	3203	3002	3011	3012
8	3211	3220	3221	3212	3011	3020	3021
9	3220	3229	3230	3221	3020	3029	3030
10	3229	3238	3239	3230	3029	3038	3039
11	3238	3247	3248	3239	3038	3047	3048
12	3247	3256	3257	3248	3047	3056	3057
13	3203	3212	3213	3204	3003	3012	3013
14	3212	3221	3222	3213	3012	3021	3022
15	3221	3230	3231	3222	3021	3030	3031
16	3230	3239	3240	3231	3030	3039	3040
17	3239	3248	3249	3240	3039	3048	3049
18	3248	3257	3258	3249	3048	3057	3058
19	3204	3213	3214	3205	3004	3013	3014
20	3213	3222	3223	3214	3013	3022	3023
21	3222	3231	3232	3223	3022	3031	3032
22	3231	3240	3241	3232	3031	3040	3041
23	3240	3249	3250	3241	3040	3049	3050
24	3249	3258	3259	3250	3049	3058	3059
25	3205	3214	3215	3206	3005	3014	3015
26	3214	3223	3224	3215	3014	3023	3024
27	3223	3232	3233	3224	3023	3032	3033
28	3232	3241	3242	3233	3032	3041	3042
29	3241	3250	3251	3242	3041	3050	3051
30	3250	3259	3260	3251	3050	3059	3060
31	3206	3215	3216	3207	3006	3015	3016
32	3215	3224	3225	3216	3015	3024	3025
33	3224	3233	3234	3225	3024	3033	3034
34	3233	3242	3243	3234	3033	3042	3043
35	3242	3251	3252	3243	3042	3051	3052
36	3251	3260	3261	3252	3051	3060	3061
37	3207	3216	3217	3208	3007	3016	3017
38	3216	3225	3226	3217	3016	3025	3026
39	3225	3234	3235	3226	3025	3034	3035
40	3234	3243	3244	3235	3034	3043	3044
41	3243	3252	3253	3244	3043	3052	3053
42	3252	3261	3262	3253	3052	3061	3062
43	3208	3217	3218	3209	3008	3017	3018
44	3217	3226	3227	3218	3017	3026	3027
45	3226	3235	3236	3227	3026	3035	3036
46	3235	3244	3245	3236	3035	3044	3045
47	3244	3253	3254	3245	3044	3053	3054
48	3253	3262	3263	3254	3053	3062	3063
49	3401	3410	3411	3402	3201	3210	3211
50	3410	3419	3420	3411	3210	3219	3220
51	3419	3428	3429	3420	3219	3228	3229
52	3428	3437	3438	3429	3228	3237	3238
53	3437	3446	3447	3438	3237	3246	3247
54	3446	3455	3456	3447	3246	3255	3256
55	3402	3411	3412	3403	3202	3211	3212
56	3411	3420	3421	3412	3211	3220	3221

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57	3420	3429	3430	3421	3220	3229	3230	3221	2	-1	1
58	3429	3438	3439	3430	3229	3238	3239	3230	2	-1	1
59	3438	3447	3448	3439	3238	3247	3248	3239	2	-1	1
60	3447	3456	3457	3448	3247	3256	3257	3248	2	-1	1
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298	4429	4438	4439	4430	4229	4238	4239	4230	2	-1	1
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301	4403	4412	4413	4404	4203	4212	4213	4204	2	-1	1
302	4412	4421	4422	4413	4212	4221	4222	4213	2	-1	1
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305	4439	4448	4449	4440	4239	4248	4249	4240	2	-1	1
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307	4404	4413	4414	4405	4204	4213	4214	4205	2	-1	1
308	4413	4422	4423	4414	4213	4222	4223	4214	2	-1	1

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311	4440	4449	4450	4441	4240	4249	4250	4241	2	-1	1
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313	4405	4414	4415	4406	4205	4214	4215	4206	2	-1	1
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316	4432	4441	4442	4433	4232	4241	4242	4233	2	-1	1
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318	4450	4459	4460	4451	4250	4259	4260	4251	2	-1	1
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321	4424	4433	4434	4425	4224	4233	4234	4225	2	-1	1
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323	4442	4451	4452	4443	4242	4251	4252	4243	2	-1	1
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325	4407	4416	4417	4408	4207	4216	4217	4208	2	-1	1
326	4416	4425	4426	4417	4216	4225	4226	4217	2	-1	1
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357	4622	4631	4632	4623	4422	4431	4432	4423	2	-1	1
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367	4606	4615	4616	4607	4406	4415	4416	4407	2	-1	1
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379	4608	4617	4618	4609	4408	4417	4418	4409	2	-1	1
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508	5232	5241	5242	5233	5032	5041	5042	5033	2	-1	1
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533	5437	5446	5447	5438	5237	5246	5247	5238	2	-1	1
534	5446	5455	5456	5447	5246	5255	5256	5247	2	-1	1
535	5402	5411	5412	5403	5202	5211	5212	5203	2	-1	1
536	5411	5420	5421	5412	5211	5220	5221	5212	2	-1	1
537	5420	5429	5430	5421	5220	5229	5230	5221	2	-1	1
538	5429	5438	5439	5430	5229	5238	5239	5230	2	-1	1
539	5438	5447	5448	5439	5238	5247	5248	5239	2	-1	1
540	5447	5456	5457	5448	5247	5256	5257	5248	2	-1	1
541	5403	5412	5413	5404	5203	5212	5213	5204	2	-1	1
542	5412	5421	5422	5413	5212	5221	5222	5213	2	-1	1
543	5421	5430	5431	5422	5221	5230	5231	5222	2	-1	1
544	5430	5439	5440	5431	5230	5239	5240	5231	2	-1	1
545	5439	5448	5449	5440	5239	5248	5249	5240	2	-1	1
546	5448	5457	5458	5449	5248	5257	5258	5249	2	-1	1
547	5404	5413	5414	5405	5204	5213	5214	5205	2	-1	1
548	5413	5422	5423	5414	5213	5222	5223	5214	2	-1	1
549	5422	5431	5432	5423	5222	5231	5232	5223	2	-1	1
550	5431	5440	5441	5432	5231	5240	5241	5232	2	-1	1
551	5440	5449	5450	5441	5240	5249	5250	5241	2	-1	1
552	5449	5458	5459	5450	5249	5258	5259	5250	2	-1	1
553	5405	5414	5415	5406	5205	5214	5215	5206	2	-1	1
554	5414	5423	5424	5415	5214	5223	5224	5215	2	-1	1
555	5423	5432	5433	5424	5223	5232	5233	5224	2	-1	1
556	5432	5441	5442	5433	5232	5241	5242	5233	2	-1	1
557	5441	5450	5451	5442	5241	5250	5251	5242	2	-1	1
558	5450	5459	5460	5451	5250	5259	5260	5251	2	-1	1
559	5406	5415	5416	5407	5206	5215	5216	5207	2	-1	1
560	5415	5424	5425	5416	5215	5224	5225	5216	2	-1	1

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561	5424	5433	5434	5425	5224	5233	5234	5225	2	-1	1
562	5433	5442	5443	5434	5233	5242	5243	5234	2	-1	1
563	5442	5451	5452	5443	5242	5251	5252	5243	2	-1	1
564	5451	5460	5461	5452	5251	5260	5261	5252	2	-1	1
565	5407	5416	5417	5408	5207	5216	5217	5208	2	-1	1
566	5416	5425	5426	5417	5216	5225	5226	5217	2	-1	1
567	5425	5434	5435	5426	5225	5234	5235	5226	2	-1	1
568	5434	5443	5444	5435	5234	5243	5244	5235	2	-1	1
569	5443	5452	5453	5444	5243	5252	5253	5244	2	-1	1
570	5452	5461	5462	5453	5252	5261	5262	5253	2	-1	1
571	5408	5417	5418	5409	5208	5217	5218	5209	2	-1	1
572	5417	5426	5427	5418	5217	5226	5227	5218	2	-1	1
573	5426	5435	5436	5427	5226	5235	5236	5227	2	-1	1
574	5435	5444	5445	5436	5235	5244	5245	5236	2	-1	1
575	5444	5453	5454	5445	5244	5253	5254	5245	2	-1	1
576	5453	5462	5463	5454	5253	5262	5263	5254	2	-1	1
577	5601	5610	5611	5602	5401	5410	5411	5402	2	-1	1
578	5610	5619	5620	5611	5410	5419	5420	5411	2	-1	1
579	5619	5628	5629	5620	5419	5428	5429	5420	2	-1	1
580	5628	5637	5638	5629	5428	5437	5438	5429	2	-1	1
581	5637	5646	5647	5638	5437	5446	5447	5438	2	-1	1
582	5646	5655	5656	5647	5446	5455	5456	5447	2	-1	1
583	5602	5611	5612	5603	5402	5411	5412	5403	2	-1	1
584	5611	5620	5621	5612	5411	5420	5421	5412	2	-1	1
585	5620	5629	5630	5621	5420	5429	5430	5421	2	-1	1
586	5629	5638	5639	5630	5429	5438	5439	5430	2	-1	1
587	5638	5647	5648	5639	5438	5447	5448	5439	2	-1	1
588	5647	5656	5657	5648	5447	5456	5457	5448	2	-1	1
589	5603	5612	5613	5604	5403	5412	5413	5404	2	-1	1
590	5612	5621	5622	5613	5412	5421	5422	5413	2	-1	1
591	5621	5630	5631	5622	5421	5430	5431	5422	2	-1	1
592	5630	5639	5640	5631	5430	5439	5440	5431	2	-1	1
593	5639	5648	5649	5640	5439	5448	5449	5440	2	-1	1
594	5648	5657	5658	5649	5448	5457	5458	5449	2	-1	1
595	5604	5613	5614	5605	5404	5413	5414	5405	2	-1	1
596	5613	5622	5623	5614	5413	5422	5423	5414	2	-1	1
597	5622	5631	5632	5623	5422	5431	5432	5423	2	-1	1
598	5631	5640	5641	5632	5431	5440	5441	5432	2	-1	1
599	5640	5649	5650	5641	5440	5449	5450	5441	2	-1	1
600	5649	5658	5659	5650	5449	5458	5459	5450	2	-1	1
601	5605	5614	5615	5606	5405	5414	5415	5406	2	-1	1
602	5614	5623	5624	5615	5414	5423	5424	5415	2	-1	1
603	5623	5632	5633	5624	5423	5432	5433	5424	2	-1	1
604	5632	5641	5642	5633	5432	5441	5442	5433	2	-1	1
605	5641	5650	5651	5642	5441	5450	5451	5442	2	-1	1
606	5650	5659	5660	5651	5450	5459	5460	5451	2	-1	1
607	5606	5615	5616	5607	5406	5415	5416	5407	2	-1	1
608	5615	5624	5625	5616	5415	5424	5425	5416	2	-1	1
609	5624	5633	5634	5625	5424	5433	5434	5425	2	-1	1
610	5633	5642	5643	5634	5433	5442	5443	5434	2	-1	1
611	5642	5651	5652	5643	5442	5451	5452	5443	2	-1	1
612	5651	5660	5661	5652	5451	5460	5461	5452	2	-1	1
613	5607	5616	5617	5608	5407	5416	5417	5408	2	-1	1
614	5616	5625	5626	5617	5416	5425	5426	5417	2	-1	1
615	5625	5634	5635	5626	5425	5434	5435	5426	2	-1	1
616	5634	5643	5644	5635	5434	5443	5444	5435	2	-1	1
617	5643	5652	5653	5644	5443	5452	5453	5444	2	-1	1
618	5652	5661	5662	5653	5452	5461	5462	5453	2	-1	1
619	5608	5617	5618	5609	5408	5417	5418	5409	2	-1	1
620	5617	5626	5627	5618	5417	5426	5427	5418	2	-1	1
621	5626	5635	5636	5627	5426	5435	5436	5427	2	-1	1
622	5635	5644	5645	5636	5435	5444	5445	5436	2	-1	1
623	5644	5653	5654	5645	5444	5453	5454	5445	2	-1	1

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624	5653	5662	5663	5654	5453	5462	5463	5454	2	-1	1
625	5801	5810	5811	5802	5601	5610	5611	5602	2	-1	1
626	5810	5819	5820	5811	5610	5619	5620	5611	2	-1	1
627	5819	5828	5829	5820	5619	5628	5629	5620	2	-1	1
628	5828	5837	5838	5829	5628	5637	5638	5629	2	-1	1
629	5837	5846	5847	5838	5637	5646	5647	5638	2	-1	1
630	5846	5855	5856	5847	5646	5655	5656	5647	2	-1	1
631	5802	5811	5812	5803	5602	5611	5612	5603	2	-1	1
632	5811	5820	5821	5812	5611	5620	5621	5612	2	-1	1
633	5820	5829	5830	5821	5620	5629	5630	5621	2	-1	1
634	5829	5838	5839	5830	5629	5638	5639	5630	2	-1	1
635	5838	5847	5848	5839	5638	5647	5648	5639	2	-1	1
636	5847	5856	5857	5848	5647	5656	5657	5648	2	-1	1
637	5803	5812	5813	5804	5603	5612	5613	5604	2	-1	1
638	5812	5821	5822	5813	5612	5621	5622	5613	2	-1	1
639	5821	5830	5831	5822	5621	5630	5631	5622	2	-1	1
640	5830	5839	5840	5831	5630	5639	5640	5631	2	-1	1
641	5839	5848	5849	5840	5639	5648	5649	5640	2	-1	1
642	5848	5857	5858	5849	5648	5657	5658	5649	2	-1	1
643	5804	5813	5814	5805	5604	5613	5614	5605	2	-1	1
644	5813	5822	5823	5814	5613	5622	5623	5614	2	-1	1
645	5822	5831	5832	5823	5622	5631	5632	5623	2	-1	1
646	5831	5840	5841	5832	5631	5640	5641	5632	2	-1	1
647	5840	5849	5850	5841	5640	5649	5650	5641	2	-1	1
648	5849	5858	5859	5850	5649	5658	5659	5650	2	-1	1
649	5805	5814	5815	5806	5605	5614	5615	5606	2	-1	1
650	5814	5823	5824	5815	5614	5623	5624	5615	2	-1	1
651	5823	5832	5833	5824	5623	5632	5633	5624	2	-1	1
652	5832	5841	5842	5833	5632	5641	5642	5633	2	-1	1
653	5841	5850	5851	5842	5641	5650	5651	5642	2	-1	1
654	5850	5859	5860	5851	5650	5659	5660	5651	2	-1	1
655	5806	5815	5816	5807	5606	5615	5616	5607	2	-1	1
656	5815	5824	5825	5816	5615	5624	5625	5616	2	-1	1
657	5824	5833	5834	5825	5624	5633	5634	5625	2	-1	1
658	5833	5842	5843	5834	5633	5642	5643	5634	2	-1	1
659	5842	5851	5852	5843	5642	5651	5652	5643	2	-1	1
660	5851	5860	5861	5852	5651	5660	5661	5652	2	-1	1
661	5807	5816	5817	5808	5607	5616	5617	5608	2	-1	1
662	5816	5825	5826	5817	5616	5625	5626	5617	2	-1	1
663	5825	5834	5835	5826	5625	5634	5635	5626	2	-1	1
664	5834	5843	5844	5835	5634	5643	5644	5635	2	-1	1
665	5843	5852	5853	5844	5643	5652	5653	5644	2	-1	1
666	5852	5861	5862	5853	5652	5661	5662	5653	2	-1	1
667	5808	5817	5818	5809	5608	5617	5618	5609	2	-1	1
668	5817	5826	5827	5818	5617	5626	5627	5618	2	-1	1
669	5826	5835	5836	5827	5626	5635	5636	5627	2	-1	1
670	5835	5844	5845	5836	5635	5644	5645	5636	2	-1	1
671	5844	5853	5854	5845	5644	5653	5654	5645	2	-1	1
672	5853	5862	5863	5854	5653	5662	5663	5654	2	-1	1

3	48	1	-1
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SHELL (GR7, CB BASEMAT PLATE)

1	2.5344E+6	0.17	2.40	0.0700	0.0700
1	1393	1394	1421	1420	0
2	1394	1395	1422	1421	0
3	1395	1396	1423	1422	0
4	1396	1397	1424	1423	0
5	1397	1398	1425	1424	0
6	1398	1399	1426	1425	0
7	1399	1400	1427	1426	0
8	1400	1401	1402	1427	0
9	1420	1421	1428	1419	0
10	1421	1422	1429	1428	0
11	1422	1423	1430	1429	0

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12	1423	1424	1431	1430	0	1	0	3.00
13	1424	1425	1432	1431	0	1	0	3.00
14	1425	1426	1433	1432	0	1	0	3.00
15	1426	1427	1434	1433	0	1	0	3.00
16	1427	1402	1403	1434	0	1	0	3.00
17	1419	1428	1435	1418	0	1	0	3.00
18	1428	1429	1436	1435	0	1	0	3.00
19	1429	1430	1437	1436	0	1	0	3.00
20	1430	1431	1438	1437	0	1	0	3.00
21	1431	1432	1439	1438	0	1	0	3.00
22	1432	1433	1440	1439	0	1	0	3.00
23	1433	1434	1441	1440	0	1	0	3.00
24	1434	1403	1404	1441	0	1	0	3.00
25	1418	1435	1442	1417	0	1	0	3.00
26	1435	1436	1443	1442	0	1	0	3.00
27	1436	1437	1444	1443	0	1	0	3.00
28	1437	1438	1445	1444	0	1	0	3.00
29	1438	1439	1446	1445	0	1	0	3.00
30	1439	1440	1447	1446	0	1	0	3.00
31	1440	1441	1448	1447	0	1	0	3.00
32	1441	1404	1405	1448	0	1	0	3.00
33	1417	1442	1449	1416	0	1	0	3.00
34	1442	1443	1450	1449	0	1	0	3.00
35	1443	1444	1451	1450	0	1	0	3.00
36	1444	1445	1452	1451	0	1	0	3.00
37	1445	1446	1453	1452	0	1	0	3.00
38	1446	1447	1454	1453	0	1	0	3.00
39	1447	1448	1455	1454	0	1	0	3.00
40	1448	1405	1406	1455	0	1	0	3.00
41	1416	1449	1414	1415	0	1	0	3.00
42	1449	1450	1413	1414	0	1	0	3.00
43	1450	1451	1412	1413	0	1	0	3.00
44	1451	1452	1411	1412	0	1	0	3.00
45	1452	1453	1410	1411	0	1	0	3.00
46	1453	1454	1409	1410	0	1	0	3.00
47	1454	1455	1408	1409	0	1	0	3.00
48	1455	1406	1407	1408	0	1	0	3.00

3 112 1 -1

SHELL (GR8, CB EAST-WALL PLATE)

1	2.8335E+6	0.17	2.40	0.0700	0.0700			
1	1001	1002	1030	1029	0	1	0	0.90
2	1002	1003	1031	1030	0	1	0	0.90
3	1003	1004	1032	1031	0	1	0	0.90
4	1004	1005	1033	1032	0	1	0	0.90
5	1005	1006	1034	1033	0	1	0	0.90
6	1006	1007	1035	1034	0	1	0	0.90
7	1007	1008	1036	1035	0	1	0	0.90
8	1008	1009	1037	1036	0	1	0	0.90
9	1029	1030	1058	1057	0	1	0	0.90
10	1030	1031	1059	1058	0	1	0	0.90
11	1031	1032	1060	1059	0	1	0	0.90
12	1032	1033	1061	1060	0	1	0	0.90
13	1033	1034	1062	1061	0	1	0	0.90
14	1034	1035	1063	1062	0	1	0	0.90
15	1035	1036	1064	1063	0	1	0	0.90
16	1036	1037	1065	1064	0	1	0	0.90
17	1057	1058	1086	1085	0	1	0	0.90
18	1058	1059	1087	1086	0	1	0	0.90
19	1059	1060	1088	1087	0	1	0	0.90
20	1060	1061	1089	1088	0	1	0	0.90
21	1061	1062	1090	1089	0	1	0	0.90
22	1062	1063	1091	1090	0	1	0	0.90
23	1063	1064	1092	1091	0	1	0	0.90

					SER-ESB-024-4.txt			
24	1064	1065	1093	1092	0	1	0	0.90
25	1085	1086	1114	1113	0	1	0	0.90
26	1086	1087	1115	1114	0	1	0	0.90
27	1087	1088	1116	1115	0	1	0	0.90
28	1088	1089	1117	1116	0	1	0	0.90
29	1089	1090	1118	1117	0	1	0	0.90
30	1090	1091	1119	1118	0	1	0	0.90
31	1091	1092	1120	1119	0	1	0	0.90
32	1092	1093	1121	1120	0	1	0	0.90
33	1113	1114	1142	1141	0	1	0	0.90
34	1114	1115	1143	1142	0	1	0	0.90
35	1115	1116	1144	1143	0	1	0	0.90
36	1116	1117	1145	1144	0	1	0	0.90
37	1117	1118	1146	1145	0	1	0	0.90
38	1118	1119	1147	1146	0	1	0	0.90
39	1119	1120	1148	1147	0	1	0	0.90
40	1120	1121	1149	1148	0	1	0	0.90
41	1141	1142	1170	1169	0	1	0	0.90
42	1142	1143	1171	1170	0	1	0	0.90
43	1143	1144	1172	1171	0	1	0	0.90
44	1144	1145	1173	1172	0	1	0	0.90
45	1145	1146	1174	1173	0	1	0	0.90
46	1146	1147	1175	1174	0	1	0	0.90
47	1147	1148	1176	1175	0	1	0	0.90
48	1148	1149	1177	1176	0	1	0	0.90
49	1169	1170	1198	1197	0	1	0	0.90
50	1170	1171	1199	1198	0	1	0	0.90
51	1171	1172	1200	1199	0	1	0	0.90
52	1172	1173	1201	1200	0	1	0	0.90
53	1173	1174	1202	1201	0	1	0	0.90
54	1174	1175	1203	1202	0	1	0	0.90
55	1175	1176	1204	1203	0	1	0	0.90
56	1176	1177	1205	1204	0	1	0	0.90
57	1197	1198	1226	1225	0	1	0	0.90
58	1198	1199	1227	1226	0	1	0	0.90
59	1199	1200	1228	1227	0	1	0	0.90
60	1200	1201	1229	1228	0	1	0	0.90
61	1201	1202	1230	1229	0	1	0	0.90
62	1202	1203	1231	1230	0	1	0	0.90
63	1203	1204	1232	1231	0	1	0	0.90
64	1204	1205	1233	1232	0	1	0	0.90
65	1225	1226	1254	1253	0	1	0	0.90
66	1226	1227	1255	1254	0	1	0	0.90
67	1227	1228	1256	1255	0	1	0	0.90
68	1228	1229	1257	1256	0	1	0	0.90
69	1229	1230	1258	1257	0	1	0	0.90
70	1230	1231	1259	1258	0	1	0	0.90
71	1231	1232	1260	1259	0	1	0	0.90
72	1232	1233	1261	1260	0	1	0	0.90
73	1253	1254	1282	1281	0	1	0	0.90
74	1254	1255	1283	1282	0	1	0	0.90
75	1255	1256	1284	1283	0	1	0	0.90
76	1256	1257	1285	1284	0	1	0	0.90
77	1257	1258	1286	1285	0	1	0	0.90
78	1258	1259	1287	1286	0	1	0	0.90
79	1259	1260	1288	1287	0	1	0	0.90
80	1260	1261	1289	1288	0	1	0	0.90
81	1281	1282	1310	1309	0	1	0	0.90
82	1282	1283	1311	1310	0	1	0	0.90
83	1283	1284	1312	1311	0	1	0	0.90
84	1284	1285	1313	1312	0	1	0	0.90
85	1285	1286	1314	1313	0	1	0	0.90
86	1286	1287	1315	1314	0	1	0	0.90

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87	1287	1288	1316	1315	0	1	0	0.90
88	1288	1289	1317	1316	0	1	0	0.90
89	1309	1310	1338	1337	0	1	0	5.95
90	1310	1311	1339	1338	0	1	0	5.95
91	1311	1312	1340	1339	0	1	0	5.95
92	1312	1313	1341	1340	0	1	0	5.95
93	1313	1314	1342	1341	0	1	0	5.95
94	1314	1315	1343	1342	0	1	0	5.95
95	1315	1316	1344	1343	0	1	0	5.95
96	1316	1317	1345	1344	0	1	0	5.95
97	1337	1338	1366	1365	0	1	0	5.95
98	1338	1339	1367	1366	0	1	0	5.95
99	1339	1340	1368	1367	0	1	0	5.95
100	1340	1341	1369	1368	0	1	0	5.95
101	1341	1342	1370	1369	0	1	0	5.95
102	1342	1343	1371	1370	0	1	0	5.95
103	1343	1344	1372	1371	0	1	0	5.95
104	1344	1345	1373	1372	0	1	0	5.95
105	1365	1366	1394	1393	0	1	0	5.95
106	1366	1367	1395	1394	0	1	0	5.95
107	1367	1368	1396	1395	0	1	0	5.95
108	1368	1369	1397	1396	0	1	0	5.95
109	1369	1370	1398	1397	0	1	0	5.95
110	1370	1371	1399	1398	0	1	0	5.95
111	1371	1372	1400	1399	0	1	0	5.95
112	1372	1373	1401	1400	0	1	0	5.95

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SHELL (GR9, CB WEST-WALL PLATE)

1	2.8335E+6	0.17	2.40	0.0700	0.0700			
1	1015	1016	1044	1043	0	1	0	0.90
2	1016	1017	1045	1044	0	1	0	0.90
3	1017	1018	1046	1045	0	1	0	0.90
4	1018	1019	1047	1046	0	1	0	0.90
5	1019	1020	1048	1047	0	1	0	0.90
6	1020	1021	1049	1048	0	1	0	0.90
7	1021	1022	1050	1049	0	1	0	0.90
8	1022	1023	1051	1050	0	1	0	0.90
9	1043	1044	1072	1071	0	1	0	0.90
10	1044	1045	1073	1072	0	1	0	0.90
11	1045	1046	1074	1073	0	1	0	0.90
12	1046	1047	1075	1074	0	1	0	0.90
13	1047	1048	1076	1075	0	1	0	0.90
14	1048	1049	1077	1076	0	1	0	0.90
15	1049	1050	1078	1077	0	1	0	0.90
16	1050	1051	1079	1078	0	1	0	0.90
17	1071	1072	1100	1099	0	1	0	0.90
18	1072	1073	1101	1100	0	1	0	0.90
19	1073	1074	1102	1101	0	1	0	0.90
20	1074	1075	1103	1102	0	1	0	0.90
21	1075	1076	1104	1103	0	1	0	0.90
22	1076	1077	1105	1104	0	1	0	0.90
23	1077	1078	1106	1105	0	1	0	0.90
24	1078	1079	1107	1106	0	1	0	0.90
25	1099	1100	1128	1127	0	1	0	0.90
26	1100	1101	1129	1128	0	1	0	0.90
27	1101	1102	1130	1129	0	1	0	0.90
28	1102	1103	1131	1130	0	1	0	0.90
29	1103	1104	1132	1131	0	1	0	0.90
30	1104	1105	1133	1132	0	1	0	0.90
31	1105	1106	1134	1133	0	1	0	0.90
32	1106	1107	1135	1134	0	1	0	0.90
33	1127	1128	1156	1155	0	1	0	0.90
34	1128	1129	1157	1156	0	1	0	0.90

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35	1129	1130	1158	1157	0	1	0	0.90
36	1130	1131	1159	1158	0	1	0	0.90
37	1131	1132	1160	1159	0	1	0	0.90
38	1132	1133	1161	1160	0	1	0	0.90
39	1133	1134	1162	1161	0	1	0	0.90
40	1134	1135	1163	1162	0	1	0	0.90
41	1155	1156	1184	1183	0	1	0	0.90
42	1156	1157	1185	1184	0	1	0	0.90
43	1157	1158	1186	1185	0	1	0	0.90
44	1158	1159	1187	1186	0	1	0	0.90
45	1159	1160	1188	1187	0	1	0	0.90
46	1160	1161	1189	1188	0	1	0	0.90
47	1161	1162	1190	1189	0	1	0	0.90
48	1162	1163	1191	1190	0	1	0	0.90
49	1183	1184	1212	1211	0	1	0	0.90
50	1184	1185	1213	1212	0	1	0	0.90
51	1185	1186	1214	1213	0	1	0	0.90
52	1186	1187	1215	1214	0	1	0	0.90
53	1187	1188	1216	1215	0	1	0	0.90
54	1188	1189	1217	1216	0	1	0	0.90
55	1189	1190	1218	1217	0	1	0	0.90
56	1190	1191	1219	1218	0	1	0	0.90
57	1211	1212	1240	1239	0	1	0	0.90
58	1212	1213	1241	1240	0	1	0	0.90
59	1213	1214	1242	1241	0	1	0	0.90
60	1214	1215	1243	1242	0	1	0	0.90
61	1215	1216	1244	1243	0	1	0	0.90
62	1216	1217	1245	1244	0	1	0	0.90
63	1217	1218	1246	1245	0	1	0	0.90
64	1218	1219	1247	1246	0	1	0	0.90
65	1239	1240	1268	1267	0	1	0	0.90
66	1240	1241	1269	1268	0	1	0	0.90
67	1241	1242	1270	1269	0	1	0	0.90
68	1242	1243	1271	1270	0	1	0	0.90
69	1243	1244	1272	1271	0	1	0	0.90
70	1244	1245	1273	1272	0	1	0	0.90
71	1245	1246	1274	1273	0	1	0	0.90
72	1246	1247	1275	1274	0	1	0	0.90
73	1267	1268	1296	1295	0	1	0	0.90
74	1268	1269	1297	1296	0	1	0	0.90
75	1269	1270	1298	1297	0	1	0	0.90
76	1270	1271	1299	1298	0	1	0	0.90
77	1271	1272	1300	1299	0	1	0	0.90
78	1272	1273	1301	1300	0	1	0	0.90
79	1273	1274	1302	1301	0	1	0	0.90
80	1274	1275	1303	1302	0	1	0	0.90
81	1295	1296	1324	1323	0	1	0	0.90
82	1296	1297	1325	1324	0	1	0	0.90
83	1297	1298	1326	1325	0	1	0	0.90
84	1298	1299	1327	1326	0	1	0	0.90
85	1299	1300	1328	1327	0	1	0	0.90
86	1300	1301	1329	1328	0	1	0	0.90
87	1301	1302	1330	1329	0	1	0	0.90
88	1302	1303	1331	1330	0	1	0	0.90
89	1323	1324	1352	1351	0	1	0	5.95
90	1324	1325	1353	1352	0	1	0	5.95
91	1325	1326	1354	1353	0	1	0	5.95
92	1326	1327	1355	1354	0	1	0	5.95
93	1327	1328	1356	1355	0	1	0	5.95
94	1328	1329	1357	1356	0	1	0	5.95
95	1329	1330	1358	1357	0	1	0	5.95
96	1330	1331	1359	1358	0	1	0	5.95
97	1351	1352	1380	1379	0	1	0	5.95

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98	1352	1353	1381	1380	0	1	0	5.95
99	1353	1354	1382	1381	0	1	0	5.95
100	1354	1355	1383	1382	0	1	0	5.95
101	1355	1356	1384	1383	0	1	0	5.95
102	1356	1357	1385	1384	0	1	0	5.95
103	1357	1358	1386	1385	0	1	0	5.95
104	1358	1359	1387	1386	0	1	0	5.95
105	1379	1380	1408	1407	0	1	0	5.95
106	1380	1381	1409	1408	0	1	0	5.95
107	1381	1382	1410	1409	0	1	0	5.95
108	1382	1383	1411	1410	0	1	0	5.95
109	1383	1384	1412	1411	0	1	0	5.95
110	1384	1385	1413	1412	0	1	0	5.95
111	1385	1386	1414	1413	0	1	0	5.95
112	1386	1387	1415	1414	0	1	0	5.95

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SHELL (GR10, CB SOUTH-WALL PLATE)								
1	2.8335E+6	0.17	2.40	0.0700	0.0700			
1	1009	1010	1038	1037	0	1	0	0.90
2	1010	1011	1039	1038	0	1	0	0.90
3	1011	1012	1040	1039	0	1	0	0.90
4	1012	1013	1041	1040	0	1	0	0.90
5	1013	1014	1042	1041	0	1	0	0.90
6	1014	1015	1043	1042	0	1	0	0.90
7	1037	1038	1066	1065	0	1	0	0.90
8	1038	1039	1067	1066	0	1	0	0.90
9	1039	1040	1068	1067	0	1	0	0.90
10	1040	1041	1069	1068	0	1	0	0.90
11	1041	1042	1070	1069	0	1	0	0.90
12	1042	1043	1071	1070	0	1	0	0.90
13	1065	1066	1094	1093	0	1	0	0.90
14	1066	1067	1095	1094	0	1	0	0.90
15	1067	1068	1096	1095	0	1	0	0.90
16	1068	1069	1097	1096	0	1	0	0.90
17	1069	1070	1098	1097	0	1	0	0.90
18	1070	1071	1099	1098	0	1	0	0.90
19	1093	1094	1122	1121	0	1	0	0.90
20	1094	1095	1123	1122	0	1	0	0.90
21	1095	1096	1124	1123	0	1	0	0.90
22	1096	1097	1125	1124	0	1	0	0.90
23	1097	1098	1126	1125	0	1	0	0.90
24	1098	1099	1127	1126	0	1	0	0.90
25	1121	1122	1150	1149	0	1	0	0.90
26	1122	1123	1151	1150	0	1	0	0.90
27	1123	1124	1152	1151	0	1	0	0.90
28	1124	1125	1153	1152	0	1	0	0.90
29	1125	1126	1154	1153	0	1	0	0.90
30	1126	1127	1155	1154	0	1	0	0.90
31	1149	1150	1178	1177	0	1	0	0.90
32	1150	1151	1179	1178	0	1	0	0.90
33	1151	1152	1180	1179	0	1	0	0.90
34	1152	1153	1181	1180	0	1	0	0.90
35	1153	1154	1182	1181	0	1	0	0.90
36	1154	1155	1183	1182	0	1	0	0.90
37	1177	1178	1206	1205	0	1	0	0.90
38	1178	1179	1207	1206	0	1	0	0.90
39	1179	1180	1208	1207	0	1	0	0.90
40	1180	1181	1209	1208	0	1	0	0.90
41	1181	1182	1210	1209	0	1	0	0.90
42	1182	1183	1211	1210	0	1	0	0.90
43	1205	1206	1234	1233	0	1	0	0.90
44	1206	1207	1235	1234	0	1	0	0.90
45	1207	1208	1236	1235	0	1	0	0.90



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46	1208	1209	1237	1236	0	1	0	0.90
47	1209	1210	1238	1237	0	1	0	0.90
48	1210	1211	1239	1238	0	1	0	0.90
49	1233	1234	1262	1261	0	1	0	0.90
50	1234	1235	1263	1262	0	1	0	0.90
51	1235	1236	1264	1263	0	1	0	0.90
52	1236	1237	1265	1264	0	1	0	0.90
53	1237	1238	1266	1265	0	1	0	0.90
54	1238	1239	1267	1266	0	1	0	0.90
55	1261	1262	1290	1289	0	1	0	0.90
56	1262	1263	1291	1290	0	1	0	0.90
57	1263	1264	1292	1291	0	1	0	0.90
58	1264	1265	1293	1292	0	1	0	0.90
59	1265	1266	1294	1293	0	1	0	0.90
60	1266	1267	1295	1294	0	1	0	0.90
61	1289	1290	1318	1317	0	1	0	0.90
62	1290	1291	1319	1318	0	1	0	0.90
63	1291	1292	1320	1319	0	1	0	0.90
64	1292	1293	1321	1320	0	1	0	0.90
65	1293	1294	1322	1321	0	1	0	0.90
66	1294	1295	1323	1322	0	1	0	0.90
67	1317	1318	1346	1345	0	1	0	7.575
68	1318	1319	1347	1346	0	1	0	7.575
69	1319	1320	1348	1347	0	1	0	7.575
70	1320	1321	1349	1348	0	1	0	7.575
71	1321	1322	1350	1349	0	1	0	7.575
72	1322	1323	1351	1350	0	1	0	7.575
73	1345	1346	1374	1373	0	1	0	7.575
74	1346	1347	1375	1374	0	1	0	7.575
75	1347	1348	1376	1375	0	1	0	7.575
76	1348	1349	1377	1376	0	1	0	7.575
77	1349	1350	1378	1377	0	1	0	7.575
78	1350	1351	1379	1378	0	1	0	7.575
79	1373	1374	1402	1401	0	1	0	7.575
80	1374	1375	1403	1402	0	1	0	7.575
81	1375	1376	1404	1403	0	1	0	7.575
82	1376	1377	1405	1404	0	1	0	7.575
83	1377	1378	1406	1405	0	1	0	7.575
84	1378	1379	1407	1406	0	1	0	7.575

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## SHELL (GR11, CB NORTH-WALL PLATE)

1	2.8335E+6	0.17	2.40	0.0700	0.0700			
1	1023	1024	1052	1051	0	1	0	0.90
2	1024	1025	1053	1052	0	1	0	0.90
3	1025	1026	1054	1053	0	1	0	0.90
4	1026	1027	1055	1054	0	1	0	0.90
5	1027	1028	1056	1055	0	1	0	0.90
6	1028	1001	1029	1056	0	1	0	0.90
7	1051	1052	1080	1079	0	1	0	0.90
8	1052	1053	1081	1080	0	1	0	0.90
9	1053	1054	1082	1081	0	1	0	0.90
10	1054	1055	1083	1082	0	1	0	0.90
11	1055	1056	1084	1083	0	1	0	0.90
12	1056	1029	1057	1084	0	1	0	0.90
13	1079	1080	1108	1107	0	1	0	0.90
14	1080	1081	1109	1108	0	1	0	0.90
15	1081	1082	1110	1109	0	1	0	0.90
16	1082	1083	1111	1110	0	1	0	0.90
17	1083	1084	1112	1111	0	1	0	0.90
18	1084	1057	1085	1112	0	1	0	0.90
19	1107	1108	1136	1135	0	1	0	0.90
20	1108	1109	1137	1136	0	1	0	0.90
21	1109	1110	1138	1137	0	1	0	0.90

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22	1110	1111	1139	1138	0	1	0	0.90
23	1111	1112	1140	1139	0	1	0	0.90
24	1112	1085	1113	1140	0	1	0	0.90
25	1135	1136	1164	1163	0	1	0	0.90
26	1136	1137	1165	1164	0	1	0	0.90
27	1137	1138	1166	1165	0	1	0	0.90
28	1138	1139	1167	1166	0	1	0	0.90
29	1139	1140	1168	1167	0	1	0	0.90
30	1140	1113	1141	1168	0	1	0	0.90
31	1163	1164	1192	1191	0	1	0	0.90
32	1164	1165	1193	1192	0	1	0	0.90
33	1165	1166	1194	1193	0	1	0	0.90
34	1166	1167	1195	1194	0	1	0	0.90
35	1167	1168	1196	1195	0	1	0	0.90
36	1168	1141	1169	1196	0	1	0	0.90
37	1191	1192	1220	1219	0	1	0	0.90
38	1192	1193	1221	1220	0	1	0	0.90
39	1193	1194	1222	1221	0	1	0	0.90
40	1194	1195	1223	1222	0	1	0	0.90
41	1195	1196	1224	1223	0	1	0	0.90
42	1196	1169	1197	1224	0	1	0	0.90
43	1219	1220	1248	1247	0	1	0	0.90
44	1220	1221	1249	1248	0	1	0	0.90
45	1221	1222	1250	1249	0	1	0	0.90
46	1222	1223	1251	1250	0	1	0	0.90
47	1223	1224	1252	1251	0	1	0	0.90
48	1224	1197	1225	1252	0	1	0	0.90
49	1247	1248	1276	1275	0	1	0	0.90
50	1248	1249	1277	1276	0	1	0	0.90
51	1249	1250	1278	1277	0	1	0	0.90
52	1250	1251	1279	1278	0	1	0	0.90
53	1251	1252	1280	1279	0	1	0	0.90
54	1252	1225	1253	1280	0	1	0	0.90
55	1275	1276	1304	1303	0	1	0	0.90
56	1276	1277	1305	1304	0	1	0	0.90
57	1277	1278	1306	1305	0	1	0	0.90
58	1278	1279	1307	1306	0	1	0	0.90
59	1279	1280	1308	1307	0	1	0	0.90
60	1280	1253	1281	1308	0	1	0	0.90
61	1303	1304	1332	1331	0	1	0	0.90
62	1304	1305	1333	1332	0	1	0	0.90
63	1305	1306	1334	1333	0	1	0	0.90
64	1306	1307	1335	1334	0	1	0	0.90
65	1307	1308	1336	1335	0	1	0	0.90
66	1308	1281	1309	1336	0	1	0	0.90
67	1331	1332	1360	1359	0	1	0	7.575
68	1332	1333	1361	1360	0	1	0	7.575
69	1333	1334	1362	1361	0	1	0	7.575
70	1334	1335	1363	1362	0	1	0	7.575
71	1335	1336	1364	1363	0	1	0	7.575
72	1336	1309	1337	1364	0	1	0	7.575
73	1359	1360	1388	1387	0	1	0	7.575
74	1360	1361	1389	1388	0	1	0	7.575
75	1361	1362	1390	1389	0	1	0	7.575
76	1362	1363	1391	1390	0	1	0	7.575
77	1363	1364	1392	1391	0	1	0	7.575
78	1364	1337	1365	1392	0	1	0	7.575
79	1387	1388	1416	1415	0	1	0	7.575
80	1388	1389	1417	1416	0	1	0	7.575
81	1389	1390	1418	1417	0	1	0	7.575
82	1390	1391	1419	1418	0	1	0	7.575
83	1391	1392	1420	1419	0	1	0	7.575
84	1392	1365	1393	1420	0	1	0	7.575

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BEAM

	2	16	2	16	-1						
(GR12, CB STICKS)											
1	2.8335E+6				0.17	0.000	0.0700	0.0700			
2	2.5344E+6				0.17	0.000	0.0700	0.0700			
1		1.0		360.70		360.70	6156.6	2836.7		3448.7	
2		1.0		1.0		19.80	1.0	45.25E+2		1.0	
3		1.0		1.0		19.80	1.0	45.25E+2		1.0	
4		1.0		1.0		1.0	1.0	1.0		1.0	
5		1.0		1.0		1.0	1.0	1.0		1.0	
6		1.0		54.28		42.16	162.24E+2	49.90E+2		91.06E+2	
7		1.0		39.47		31.06	120.63E+2	31.98E+2		58.43E+2	
8		1.0		39.47		31.06	120.63E+2	31.98E+2		58.43E+2	
9		360.70		1.0		1.0	1.0	1.0		1.0	
10		19.80		1.0		1.0	1.0	1.0		1.0	
11		19.80		1.0		1.0	1.0	1.0		1.0	
12		1.0		1.0		1.0	1.0	1.0		1.0	
13		1.0		1.0		1.0	1.0	1.0		1.0	
14		93.20		1.0		1.0	1.0	1.0		1.0	
15		68.57		1.0		1.0	1.0	1.0		1.0	
16		68.57		1.0		1.0	1.0	1.0		1.0	

1	401	413	405	2	1
2	411	423	415	1	2
3	421	433	425	1	3
4	431	443	435	1	4
5	441	453	445	1	5
6	451	463	455	1	6
7	461	473	465	1	7
8	471	483	475	1	8
9	402	414	406	2	9
10	412	424	416	1	10
11	422	434	426	1	11
12	432	444	436	1	12
13	442	454	446	1	13
14	452	464	456	1	14
15	462	474	466	1	15
16	472	484	476	1	16

SPRING	(GR13, CB PH)						
1	8.75e6	5.73e6	0.0	0.0	0.0	0.0	0.07

BEAM

(GR14, CB RIGID ARMS)						
1	9.99E+8	0.17	0.0	0.0	0.0	
1	999.9	999.9	999.9	9.99E+4	9.99E+4	9.99E+4
1	1001	1002	450	1	1	
2	1002	1003	450	1	1	
3	1003	1004	450	1	1	
4	1004	1005	450	1	1	
5	1005	1006	450	1	1	
6	1006	1007	450	1	1	
7	1007	1008	450	1	1	
8	1008	1009	450	1	1	
9	1009	1010	450	1	1	
10	1010	1011	450	1	1	
11	1011	1012	450	1	1	
12	1012	1013	450	1	1	
13	1013	1014	450	1	1	
14	1014	1015	450	1	1	
15	1015	1016	450	1	1	
16	1016	1017	450	1	1	
17	1017	1018	450	1	1	
18	1018	1019	450	1	1	
19	1019	1020	450	1	1	

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20	1020	1021	450	1	1
21	1021	1022	450	1	1
22	1022	1023	450	1	1
23	1023	1024	450	1	1
24	1024	1025	450	1	1
25	1025	1026	450	1	1
26	1026	1027	450	1	1
27	1027	1028	450	1	1
28	1028	1001	450	1	1
29	450	1005	1001	1	1
30	450	1012	1001	1	1
31	450	1019	1001	1	1
32	450	1026	1001	1	1
33	1169	1170	430	1	1
34	1170	1171	430	1	1
35	1171	1172	430	1	1
36	1172	1173	430	1	1
37	1173	1174	430	1	1
38	1174	1175	430	1	1
39	1175	1176	430	1	1
40	1176	1177	430	1	1
41	1177	1178	430	1	1
42	1178	1179	430	1	1
43	1179	1180	430	1	1
44	1180	1181	430	1	1
45	1181	1182	430	1	1
46	1182	1183	430	1	1
47	1183	1184	430	1	1
48	1184	1185	430	1	1
49	1185	1186	430	1	1
50	1186	1187	430	1	1
51	1187	1188	430	1	1
52	1188	1189	430	1	1
53	1189	1190	430	1	1
54	1190	1191	430	1	1
55	1191	1192	430	1	1
56	1192	1193	430	1	1
57	1193	1194	430	1	1
58	1194	1195	430	1	1
59	1195	1196	430	1	1
60	1196	1169	430	1	1
61	430	1173	1169	1	1
62	430	1180	1169	1	1
63	430	1187	1169	1	1
64	430	1194	1169	1	1
65	1309	1310	410	1	1
66	1310	1311	410	1	1
67	1311	1312	410	1	1
68	1312	1313	410	1	1
69	1313	1314	410	1	1
70	1314	1315	410	1	1
71	1315	1316	410	1	1
72	1316	1317	410	1	1
73	1317	1318	410	1	1
74	1318	1319	410	1	1
75	1319	1320	410	1	1
76	1320	1321	410	1	1
77	1321	1322	410	1	1
78	1322	1323	410	1	1
79	1323	1324	410	1	1
80	1324	1325	410	1	1
81	1325	1326	410	1	1
82	1326	1327	410	1	1

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83	1327	1328	410	1	1
84	1328	1329	410	1	1
85	1329	1330	410	1	1
86	1330	1331	410	1	1
87	1331	1332	410	1	1
88	1332	1333	410	1	1
89	1333	1334	410	1	1
90	1334	1335	410	1	1
91	1335	1336	410	1	1
92	1336	1309	410	1	1
93	410	1313	1309	1	1
94	410	1320	1309	1	1
95	410	1327	1309	1	1
96	410	1334	1309	1	1
97	480	481	485	1	1
98	480	482	485	1	1
99	480	483	485	1	1
100	480	484	485	1	1
101	470	471	475	1	1
102	470	472	475	1	1
103	470	473	475	1	1
104	470	474	475	1	1
105	460	461	465	1	1
106	460	462	465	1	1
107	460	463	465	1	1
108	460	464	465	1	1
109	450	451	455	1	1
110	450	452	455	1	1
111	450	453	455	1	1
112	450	454	455	1	1
113	440	441	445	1	1
114	440	442	445	1	1
115	440	443	445	1	1
116	440	444	445	1	1
117	430	431	435	1	1
118	430	432	435	1	1
119	430	433	435	1	1
120	430	434	435	1	1
121	420	421	425	1	1
122	420	422	425	1	1
123	420	423	425	1	1
124	420	424	425	1	1
125	410	411	415	1	1
126	410	412	415	1	1
127	410	413	415	1	1
128	410	414	415	1	1
129	400	401	405	1	1
130	400	402	405	1	1
131	400	1438	405	1	1
7	455	2			

SPRING (GR15, SOIL-PLATE)

1	9.9E+5	9.9E+5	9.9E+5	0.000E+00	0.000E+00	0.000E+00	0.00
2	9.9E+7	9.9E+7	9.9E+7	0.000E+00	0.000E+00	0.000E+00	0.00
1	1001	3001	1				
2	1002	3002	1				
3	1003	3003	1				
4	1004	3004	1				
5	1005	3005	1				
6	1006	3006	1				
7	1007	3007	1				
8	1008	3008	1				
9	1009	3009	1				
10	1010	3018	1				

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11	1011	3027	1
12	1012	3036	1
13	1013	3045	1
14	1014	3054	1
15	1015	3063	1
16	1016	3062	1
17	1017	3061	1
18	1018	3060	1
19	1019	3059	1
20	1020	3058	1
21	1021	3057	1
22	1022	3056	1
23	1023	3055	1
24	1024	3046	1
25	1025	3037	1
26	1026	3028	1
27	1027	3019	1
28	1028	3010	1
29	1029	3201	1
30	1030	3202	1
31	1031	3203	1
32	1032	3204	1
33	1033	3205	1
34	1034	3206	1
35	1035	3207	1
36	1036	3208	1
37	1037	3209	1
38	1038	3218	1
39	1039	3227	1
40	1040	3236	1
41	1041	3245	1
42	1042	3254	1
43	1043	3263	1
44	1044	3262	1
45	1045	3261	1
46	1046	3260	1
47	1047	3259	1
48	1048	3258	1
49	1049	3257	1
50	1050	3256	1
51	1051	3255	1
52	1052	3246	1
53	1053	3237	1
54	1054	3228	1
55	1055	3219	1
56	1056	3210	1
57	1057	3401	1
58	1058	3402	1
59	1059	3403	1
60	1060	3404	1
61	1061	3405	1
62	1062	3406	1
63	1063	3407	1
64	1064	3408	1
65	1065	3409	1
66	1066	3418	1
67	1067	3427	1
68	1068	3436	1
69	1069	3445	1
70	1070	3454	1
71	1071	3463	1
72	1072	3462	1
73	1073	3461	1

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74	1074	3460	1
75	1075	3459	1
76	1076	3458	1
77	1077	3457	1
78	1078	3456	1
79	1079	3455	1
80	1080	3446	1
81	1081	3437	1
82	1082	3428	1
83	1083	3419	1
84	1084	3410	1
85	1085	3601	1
86	1086	3602	1
87	1087	3603	1
88	1088	3604	1
89	1089	3605	1
90	1090	3606	1
91	1091	3607	1
92	1092	3608	1
93	1093	3609	1
94	1094	3618	1
95	1095	3627	1
96	1096	3636	1
97	1097	3645	1
98	1098	3654	1
99	1099	3663	1
100	1100	3662	1
101	1101	3661	1
102	1102	3660	1
103	1103	3659	1
104	1104	3658	1
105	1105	3657	1
106	1106	3656	1
107	1107	3655	1
108	1108	3646	1
109	1109	3637	1
110	1110	3628	1
111	1111	3619	1
112	1112	3610	1
113	1113	3801	1
114	1114	3802	1
115	1115	3803	1
116	1116	3804	1
117	1117	3805	1
118	1118	3806	1
119	1119	3807	1
120	1120	3808	1
121	1121	3809	1
122	1122	3818	1
123	1123	3827	1
124	1124	3836	1
125	1125	3845	1
126	1126	3854	1
127	1127	3863	1
128	1128	3862	1
129	1129	3861	1
130	1130	3860	1
131	1131	3859	1
132	1132	3858	1
133	1133	3857	1
134	1134	3856	1
135	1135	3855	1
136	1136	3846	1

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137	1137	3837	1
138	1138	3828	1
139	1139	3819	1
140	1140	3810	1
141	1141	4001	1
142	1142	4002	1
143	1143	4003	1
144	1144	4004	1
145	1145	4005	1
146	1146	4006	1
147	1147	4007	1
148	1148	4008	1
149	1149	4009	1
150	1150	4018	1
151	1151	4027	1
152	1152	4036	1
153	1153	4045	1
154	1154	4054	1
155	1155	4063	1
156	1156	4062	1
157	1157	4061	1
158	1158	4060	1
159	1159	4059	1
160	1160	4058	1
161	1161	4057	1
162	1162	4056	1
163	1163	4055	1
164	1164	4046	1
165	1165	4037	1
166	1166	4028	1
167	1167	4019	1
168	1168	4010	1
169	1169	4201	1
170	1170	4202	1
171	1171	4203	1
172	1172	4204	1
173	1173	4205	1
174	1174	4206	1
175	1175	4207	1
176	1176	4208	1
177	1177	4209	1
178	1178	4218	1
179	1179	4227	1
180	1180	4236	1
181	1181	4245	1
182	1182	4254	1
183	1183	4263	1
184	1184	4262	1
185	1185	4261	1
186	1186	4260	1
187	1187	4259	1
188	1188	4258	1
189	1189	4257	1
190	1190	4256	1
191	1191	4255	1
192	1192	4246	1
193	1193	4237	1
194	1194	4228	1
195	1195	4219	1
196	1196	4210	1
197	1197	4401	1
198	1198	4402	1
199	1199	4403	1



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200	1200	4404	1
201	1201	4405	1
202	1202	4406	1
203	1203	4407	1
204	1204	4408	1
205	1205	4409	1
206	1206	4418	1
207	1207	4427	1
208	1208	4436	1
209	1209	4445	1
210	1210	4454	1
211	1211	4463	1
212	1212	4462	1
213	1213	4461	1
214	1214	4460	1
215	1215	4459	1
216	1216	4458	1
217	1217	4457	1
218	1218	4456	1
219	1219	4455	1
220	1220	4446	1
221	1221	4437	1
222	1222	4428	1
223	1223	4419	1
224	1224	4410	1
225	1225	4601	1
226	1226	4602	1
227	1227	4603	1
228	1228	4604	1
229	1229	4605	1
230	1230	4606	1
231	1231	4607	1
232	1232	4608	1
233	1233	4609	1
234	1234	4618	1
235	1235	4627	1
236	1236	4636	1
237	1237	4645	1
238	1238	4654	1
239	1239	4663	1
240	1240	4662	1
241	1241	4661	1
242	1242	4660	1
243	1243	4659	1
244	1244	4658	1
245	1245	4657	1
246	1246	4656	1
247	1247	4655	1
248	1248	4646	1
249	1249	4637	1
250	1250	4628	1
251	1251	4619	1
252	1252	4610	1
253	1253	4801	1
254	1254	4802	1
255	1255	4803	1
256	1256	4804	1
257	1257	4805	1
258	1258	4806	1
259	1259	4807	1
260	1260	4808	1
261	1261	4809	1
262	1262	4818	1

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263	1263	4827	1
264	1264	4836	1
265	1265	4845	1
266	1266	4854	1
267	1267	4863	1
268	1268	4862	1
269	1269	4861	1
270	1270	4860	1
271	1271	4859	1
272	1272	4858	1
273	1273	4857	1
274	1274	4856	1
275	1275	4855	1
276	1276	4846	1
277	1277	4837	1
278	1278	4828	1
279	1279	4819	1
280	1280	4810	1
281	1281	5001	1
282	1282	5002	1
283	1283	5003	1
284	1284	5004	1
285	1285	5005	1
286	1286	5006	1
287	1287	5007	1
288	1288	5008	1
289	1289	5009	1
290	1290	5018	1
291	1291	5027	1
292	1292	5036	1
293	1293	5045	1
294	1294	5054	1
295	1295	5063	1
296	1296	5062	1
297	1297	5061	1
298	1298	5060	1
299	1299	5059	1
300	1300	5058	1
301	1301	5057	1
302	1302	5056	1
303	1303	5055	1
304	1304	5046	1
305	1305	5037	1
306	1306	5028	1
307	1307	5019	1
308	1308	5010	1
309	1309	5201	1
310	1310	5202	1
311	1311	5203	1
312	1312	5204	1
313	1313	5205	1
314	1314	5206	1
315	1315	5207	1
316	1316	5208	1
317	1317	5209	1
318	1318	5218	1
319	1319	5227	1
320	1320	5236	1
321	1321	5245	1
322	1322	5254	1
323	1323	5263	1
324	1324	5262	1
325	1325	5261	1

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326	1326	5260	1
327	1327	5259	1
328	1328	5258	1
329	1329	5257	1
330	1330	5256	1
331	1331	5255	1
332	1332	5246	1
333	1333	5237	1
334	1334	5228	1
335	1335	5219	1
336	1336	5210	1
337	1337	5401	1
338	1338	5402	1
339	1339	5403	1
340	1340	5404	1
341	1341	5405	1
342	1342	5406	1
343	1343	5407	1
344	1344	5408	1
345	1345	5409	1
346	1346	5418	1
347	1347	5427	1
348	1348	5436	1
349	1349	5445	1
350	1350	5454	1
351	1351	5463	1
352	1352	5462	1
353	1353	5461	1
354	1354	5460	1
355	1355	5459	1
356	1356	5458	1
357	1357	5457	1
358	1358	5456	1
359	1359	5455	1
360	1360	5446	1
361	1361	5437	1
362	1362	5428	1
363	1363	5419	1
364	1364	5410	1
365	1365	5601	1
366	1366	5602	1
367	1367	5603	1
368	1368	5604	1
369	1369	5605	1
370	1370	5606	1
371	1371	5607	1
372	1372	5608	1
373	1373	5609	1
374	1374	5618	1
375	1375	5627	1
376	1376	5636	1
377	1377	5645	1
378	1378	5654	1
379	1379	5663	1
380	1380	5662	1
381	1381	5661	1
382	1382	5660	1
383	1383	5659	1
384	1384	5658	1
385	1385	5657	1
386	1386	5656	1
387	1387	5655	1
388	1388	5646	1

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389	1389	5637	1
390	1390	5628	1
391	1391	5619	1
392	1392	5610	1
393	1393	5801	2
394	1394	5802	2
395	1395	5803	2
396	1396	5804	2
397	1397	5805	2
398	1398	5806	2
399	1399	5807	2
400	1400	5808	2
401	1401	5809	2
402	1402	5818	2
403	1403	5827	2
404	1404	5836	2
405	1405	5845	2
406	1406	5854	2
407	1407	5863	2
408	1408	5862	2
409	1409	5861	2
410	1410	5860	2
411	1411	5859	2
412	1412	5858	2
413	1413	5857	2
414	1414	5856	2
415	1415	5855	2
416	1416	5846	2
417	1417	5837	2
418	1418	5828	2
419	1419	5819	2
420	1420	5810	2
421	1421	5811	2
422	1422	5812	2
423	1423	5813	2
424	1424	5814	2
425	1425	5815	2
426	1426	5816	2
427	1427	5817	2
428	1428	5820	2
429	1429	5821	2
430	1430	5822	2
431	1431	5823	2
432	1432	5824	2
433	1433	5825	2
434	1434	5826	2
435	1435	5829	2
436	1436	5830	2
437	1437	5831	2
438	1438	5832	2
439	1439	5833	2
440	1440	5834	2
441	1441	5835	2
442	1442	5838	2
443	1443	5839	2
444	1444	5840	2
445	1445	5841	2
446	1446	5842	2
447	1447	5843	2
448	1448	5844	2
449	1449	5847	2
450	1450	5848	2
451	1451	5849	2

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452	1452	5850	2							
453	1453	5851	2							
454	1454	5852	2							
455	1455	5853	2							
400	1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	CB
FLOOR	MASS									
410	1	397.6	397.6	397.6	2.9E+4	4.7E+4	7.5E+4			
420	1	34.1	34.1	34.1	0.0	0.0	0.0			
430	1	2011.9	2011.9	2011.9	9.7E+4	15.7E+4	25.5E+4			
440	1	40.8	40.8	40.8	0.0	0.0	0.0			
450	1	0.0	0.0	0.0	0.0	0.0	0.0			
460	1	2518.9	2518.9	2518.9	15.4E+4	24.3E+4	39.6E+4			
470	1	619.8	619.8	619.8	0.0	0.0	0.0			
480	1	2249.2	2249.2	3398.9	19.4E+4	30.9E+4	50.2E+4			
490	1	1149.6	1149.6	0.0	0.0	0.0	0.0			
0										