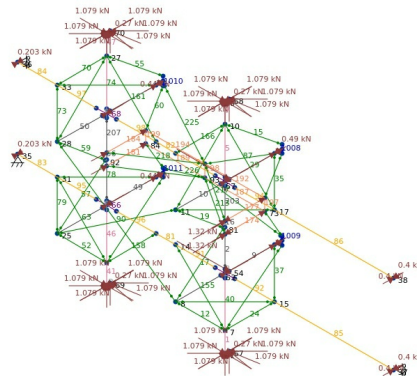


SkyCiv Structural 3D Report

Wed 07 Oct 2026, 06:07PM (GMT+10:00)



File Name: H2Use V135 baseline LC24 and LC25 - development analysis

Software: SkyCiv Structural 3D v7.2.13

Analysis Type: Non-Linear Static Analysis

Included in this Report:

Job Setup

Bill of Materials

Nodal Results

Member Results

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Table of Contents

Job Setup

- NODE COORDINATES
- MEMBERS
- SUPPORTS
- MATERIALS
- SECTIONS
- POINT LOADS
- SELF WEIGHT
- LOAD COMBINATIONS

Bill of Materials

- BILL OF MATERIALS FOR MEMBERS

Nodal Results

- Load Combination #24: LC-FLIGHT-FORWARD-X-3P0-CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200-V125-PX-DATUM
 - NODE REACTIONS
 - MEMBER END FORCES AND MOMENTS
 - NODAL DISPLACEMENTS
- Load Combination #25: LC-FLIGHT-FORWARD-X-3P0-CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200-V125-PX-DATUM
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 - MEMBER END FORCES AND MOMENTS
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Member Results

- Load Combination #24: LC-FLIGHT-FORWARD-X-3P0-CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200-V125-PX-DATUM
 - INTERNAL MEMBER FORCES AND MOMENTS
- Load Combination #25: LC-FLIGHT-FORWARD-X-3P0-CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200-V125-PX-DATUM
 - INTERNAL MEMBER FORCES AND MOMENTS

Job Setup

SkyCiv Structural 3D Report

SkyCiv Structural 3D v7.2.13

Date: Wed 07 Oct 2026, 06:07PM (GMT+10:00)

Analysis Type: NON-LINEAR STATIC ANALYSIS

File Name	H2Use V135 baseline LC24 and LC25 - development analysis
Job Name	H2Use-V135-TANK-ANCHORS-2026-10-06
Designer	Empty
Job Description	Empty

4 WARNINGS:

- 1) Member #213 x-rotation has been stabilized because it was released on both ends.
- 2) Member #214 x-rotation has been stabilized because it was released on both ends.
- 3) Member #217 x-rotation has been stabilized because it was released on both ends.
- 4) Member #218 x-rotation has been stabilized because it was released on both ends.

Length Units	m
Section Length Units	mm
Force Units	kN
Moment and Torsion Units	kN-m
Pressure Units	kPa
Material Strength Units	MPa
Material Density Units	kg/m³
Mass Units	kg
Temperature Units	degC
Translation Units	mm
Stress Units	MPa
Nodes	90
Members	137
Plates	0
Meshed Plates	0
Supports	3
Sections	10
Point Loads	192
Distributed Loads	0
Moments	0
Member Prestress Loads	0
Thermal Loads	0
Pressures	0
Area Loads	0
Self Weight	ON
User Defined Nodal Masses	0
Auto Defined Nodal Masses	0
Spectral Loads	0
Auto-Stabilize Model	NO
Member Evaluation Points	9
Extrapolate Plate Results From Gauss Points	YES
General Constraint	RRRRRR
Total Degrees of Freedom	534

NODE COORDINATES (m)

ID	X Coordinate	Y Coordinate	Z Coordinate
1	0.000	-5.500	0.000
2	0.000	-2.000	0.000
5	0.000	2.000	0.000
6	0.000	5.500	0.000
7	0.000	-4.500	0.000
8	0.000	-2.000	2.500
9	0.000	-2.000	-2.500
10	0.000	4.500	0.000
11	0.000	2.000	2.500
12	0.000	2.000	-2.500
13	0.000	0.000	0.000
14	-2.500	-2.000	0.000
15	2.500	-2.000	0.000
16	-2.500	2.000	0.000
17	2.500	2.000	0.000
18	-6.000	-5.500	0.000
19	-6.000	-2.000	0.000
22	-6.000	2.000	0.000
23	-6.000	5.500	0.000
24	-6.000	-4.500	0.000
25	-6.000	-2.000	2.500
26	-6.000	-2.000	-2.500
27	-6.000	4.500	0.000

28	-6.000	2.000	2.500
29	-6.000	2.000	-2.500
30	-6.000	0.000	0.000
31	-8.500	-2.000	0.000
32	-3.500	-2.000	0.000
33	-8.500	2.000	0.000
34	-3.500	2.000	0.000
35	-10.500	-2.000	0.000
36	-10.500	2.000	0.000
37	8.500	-2.000	0.000
38	8.500	2.000	0.000
39	-0.500	-2.000	0.000
40	0.500	-2.000	0.000
41	-0.500	2.000	0.000
42	0.500	2.000	0.000
43	-6.500	-2.000	0.000
44	-5.500	-2.000	0.000
45	-6.500	2.000	0.000
46	-5.500	2.000	0.000
47	0.000	-2.000	-2.871
48	0.000	2.000	-2.871
49	-6.000	-2.000	-2.871
50	-6.000	2.000	-2.871
51	0.000	-2.200	0.000
52	0.000	-1.800	0.000
53	0.000	-2.000	0.200
54	0.000	-2.000	-0.200
55	0.000	2.200	0.000
56	0.000	1.800	0.000
57	0.000	2.000	0.200
58	0.000	2.000	-0.200
59	-6.000	-2.200	0.000
60	-6.000	-1.800	0.000
61	-6.000	-2.000	0.200
62	-6.000	-2.000	-0.200
63	-6.000	2.200	0.000
64	-6.000	1.800	0.000
65	-6.000	2.000	0.200
66	-6.000	2.000	-0.200
67	0.000	-5.500	-0.200
68	0.000	5.500	-0.200
69	-6.000	-5.500	-0.200
70	-6.000	5.500	-0.200
71	0.000	-0.290	0.000
73	0.000	-0.290	-1.988
76	0.000	0.290	0.000
78	0.000	0.290	-1.988
81	0.000	0.000	0.059
82	-6.000	-0.290	0.000
84	-6.000	-0.290	-1.988
87	-6.000	0.290	0.000
89	-6.000	0.290	-1.988
92	-6.000	0.000	0.059
93	-3.000	-0.290	-1.988
95	-3.000	0.290	-1.988
1000	0.000	-2.200	-2.871
1001	0.000	2.200	-2.871
1002	-6.000	-2.200	-2.871
1003	-6.000	2.200	-2.871
1004	0.000	-1.800	-2.871
1005	0.000	1.800	-2.871
1006	-6.000	-1.800	-2.871
1007	-6.000	1.800	-2.871
1008	-0.052	1.807	-2.871
1009	-0.052	-1.807	-2.871
1010	-5.948	1.807	-2.871
1011	-5.948	-1.807	-2.871

MEMBERS (deg, m, mm, m, kN)

F=Fixed, R=Released, S=Spring

ID	Node A	Node B	Length	Type	Section ID	Rotation Angle	Node A Fixity	Node B Fixity
1	1	7	1.000	Normal	3	0.000	FFFFFF	FFFFFF
2	52	71	1.510	Normal	1	0.000	FFFRFF	FFFFFF
3	71	13	0.290	Normal	1	0.000	FFFFFF	FFFFFF
5	55	10	2.300	Normal	3	0.000	FFFFFF	FFFFFF
6	7	51	2.300	Normal	3	0.000	FFFFFF	FFFFFF
7	10	6	1.000	Normal	3	0.000	FFFFFF	FFFFFF

8	53	8	2.300	Normal	1	0.000	FFFFFF	FFFFFF
9	54	9	2.300	Normal	1	0.000	FFFFFF	FFFFFF
10	57	11	2.300	Normal	1	0.000	FFFFFF	FFFFFF
11	58	12	2.300	Normal	1	0.000	FFFFFF	FFFFFF
12	7	8	3.536	Tension	2	0.000	FFFFRR	FFFFRR
13	7	1000	3.678	Tension	2	0.000	FFFFRR	FFFFRR
14	10	11	3.536	Tension	2	0.000	FFFFRR	FFFFRR
15	10	1001	3.678	Tension	2	0.000	FFFFRR	FFFFRR
16	13	76	0.290	Normal	1	0.000	FFFFFF	FFFFFF
17	8	81	3.156	Tension	2	0.000	FFFFRR	FFFFRR
18	1004	73	1.749	Tension	2	0.000	FFFFRR	FFFFRR
19	11	81	3.156	Tension	2	0.000	FFFFRR	FFFFRR
20	1005	78	1.749	Tension	2	0.000	FFFFRR	FFFFRR
24	7	15	3.536	Tension	2	0.000	FFFFRR	FFFFRR
25	2	39	0.500	Normal	5	0.000	FFFFFF	FFFFFF
26	2	40	0.500	Normal	5	0.000	FFFFFF	FFFFFF
27	5	41	0.500	Normal	5	0.000	FFFFFF	FFFFFF
28	5	42	0.500	Normal	5	0.000	FFFFFF	FFFFFF
29	10	17	3.536	Tension	2	0.000	FFFFRR	FFFFRR
35	12	17	3.536	Tension	2	0.000	FFFFRR	FFFFRR
36	17	11	3.536	Tension	2	0.000	FFFFRR	FFFFRR
37	15	9	3.536	Tension	2	0.000	FFFFRR	FFFFRR
40	8	15	3.536	Tension	2	0.000	FFFFRR	FFFFRR
41	18	24	1.000	Normal	3	0.000	FFFFFF	FFFFFF
42	60	82	1.510	Normal	1	0.000	FFFFRR	FFFFRR
43	82	30	0.290	Normal	1	0.000	FFFFFF	FFFFFF
45	63	27	2.300	Normal	3	0.000	FFFFFF	FFFFFF
46	24	59	2.300	Normal	3	0.000	FFFFFF	FFFFFF
47	27	23	1.000	Normal	3	0.000	FFFFFF	FFFFFF
48	61	25	2.300	Normal	1	0.000	FFFFFF	FFFFFF
49	62	26	2.300	Normal	1	0.000	FFFFFF	FFFFFF
50	65	28	2.300	Normal	1	0.000	FFFFFF	FFFFFF
51	66	29	2.300	Normal	1	0.000	FFFFFF	FFFFFF
52	24	25	3.536	Tension	2	0.000	FFFFRR	FFFFRR
53	24	1002	3.678	Tension	2	0.000	FFFFRR	FFFFRR
54	27	28	3.536	Tension	2	0.000	FFFFRR	FFFFRR
55	27	1003	3.678	Tension	2	0.000	FFFFRR	FFFFRR
56	30	87	0.290	Normal	1	0.000	FFFFFF	FFFFFF
57	25	92	3.156	Tension	2	0.000	FFFFRR	FFFFRR
58	1006	84	1.749	Tension	2	0.000	FFFFRR	FFFFRR
59	28	92	3.156	Tension	2	0.000	FFFFRR	FFFFRR
60	1007	89	1.749	Tension	2	0.000	FFFFRR	FFFFRR
63	24	31	3.536	Tension	2	0.000	FFFFRR	FFFFRR
65	19	43	0.500	Normal	5	0.000	FFFFFF	FFFFFF
66	19	44	0.500	Normal	5	0.000	FFFFFF	FFFFFF
67	22	45	0.500	Normal	5	0.000	FFFFFF	FFFFFF
68	22	46	0.500	Normal	5	0.000	FFFFFF	FFFFFF
70	27	33	3.536	Tension	2	0.000	FFFFRR	FFFFRR
73	28	33	3.536	Tension	2	0.000	FFFFRR	FFFFRR
74	33	29	3.536	Tension	2	0.000	FFFFRR	FFFFRR
78	26	31	3.536	Tension	2	0.000	FFFFRR	FFFFRR
79	31	25	3.536	Tension	2	0.000	FFFFRR	FFFFRR
81	14	32	1.000	Normal	4	0.000	FFFFFF	FFFFFF
82	16	34	1.000	Normal	4	0.000	FFFFFF	FFFFFF
83	31	35	2.000	Normal	4	0.000	FFFFFF	FFFFFF
84	33	36	2.000	Normal	4	0.000	FFFFFF	FFFFFF
85	15	37	6.000	Normal	4	0.000	FFFFFF	FFFFFF
86	17	38	6.000	Normal	4	0.000	FFFFFF	FFFFFF
87	1008	95	3.431	Tension	2	0.000	FFFFRR	FFFFRR
88	1009	93	3.431	Tension	2	0.000	FFFFRR	FFFFRR
89	8	28	7.211	Tension	2	0.000	FFFFRR	FFFFRR
90	25	11	7.211	Tension	2	0.000	FFFFRR	FFFFRR
91	39	14	2.000	Normal	4	0.000	FFFFFF	FFFFFF
92	40	15	2.000	Normal	4	0.000	FFFFFF	FFFFFF
93	41	16	2.000	Normal	4	0.000	FFFFFF	FFFFFF
94	42	17	2.000	Normal	4	0.000	FFFFFF	FFFFFF
95	43	31	2.000	Normal	4	0.000	FFFFFF	FFFFFF
96	44	32	2.000	Normal	4	0.000	FFFFFF	FFFFFF
97	45	33	2.000	Normal	4	0.000	FFFFFF	FFFFFF
98	46	34	2.000	Normal	4	0.000	FFFFFF	FFFFFF
99	9	47	0.371	Normal	1	0.000	FFFFFF	FFFFFF
100	12	48	0.371	Normal	1	0.000	FFFFFF	FFFFFF
101	26	49	0.371	Normal	1	0.000	FFFFFF	FFFFFF
102	29	50	0.371	Normal	1	0.000	FFFFFF	FFFFFF
105	2	51	null	Rigid Link	-	-	FFFFFF	FFFFFF
106	2	52	null	Rigid Link	-	-	FFFFFF	FFFFFF
107	2	53	null	Rigid Link	-	-	FFFFFF	FFFFFF
108	2	54	null	Rigid Link	-	-	FFFFFF	FFFFFF
109	5	55	null	Rigid Link	-	-	FFFFFF	FFFFFF
110	5	56	null	Rigid Link	-	-	FFFFFF	FFFFFF

111	5	57	null	Rigid Link	-	-	FFFFFF	FFFFFF
112	5	58	null	Rigid Link	-	-	FFFFFF	FFFFFF
113	19	59	null	Rigid Link	-	-	FFFFFF	FFFFFF
114	19	60	null	Rigid Link	-	-	FFFFFF	FFFFFF
115	19	61	null	Rigid Link	-	-	FFFFFF	FFFFFF
116	19	62	null	Rigid Link	-	-	FFFFFF	FFFFFF
117	22	63	null	Rigid Link	-	-	FFFFFF	FFFFFF
118	22	64	null	Rigid Link	-	-	FFFFFF	FFFFFF
119	22	65	null	Rigid Link	-	-	FFFFFF	FFFFFF
120	22	66	null	Rigid Link	-	-	FFFFFF	FFFFFF
155	7	14	3.536	Tension	2	0.000	FFFFRR	FFFFRR
158	24	32	3.536	Tension	2	0.000	FFFFRR	FFFFRR
161	27	34	3.536	Tension	2	0.000	FFFFRR	FFFFRR
166	10	16	3.536	Tension	2	0.000	FFFFRR	FFFFRR
168	1	67	null	Rigid Link	-	-	FFFFFF	FFFFFF
169	6	68	null	Rigid Link	-	-	FFFFFF	FFFFFF
170	18	69	null	Rigid Link	-	-	FFFFFF	FFFFFF
171	23	70	null	Rigid Link	-	-	FFFFFF	FFFFFF
174	71	73	1.988	Normal	9	0.000	FFFFFF	FFFFFF
177	76	78	1.988	Normal	9	0.000	FFFFFF	FFFFFF
179	13	81	null	Rigid Link	-	-	FFFFFF	FFFFFF
181	82	84	1.988	Normal	9	0.000	FFFFFF	FFFFFF
184	87	89	1.988	Normal	9	0.000	FFFFFF	FFFFFF
186	30	92	null	Rigid Link	-	-	FFFFFF	FFFFFF
187	73	93	3.000	Normal	9	0.000	FFFFFF	FFFFFF
189	93	84	3.000	Normal	9	0.000	FFFFFF	FFFFFF
192	78	95	3.000	Normal	9	0.000	FFFFFF	FFFFFF
194	95	89	3.000	Normal	9	0.000	FFFFFF	FFFFFF
197	73	78	0.580	Normal	9	0.000	FFFFFF	FFFFFF
198	93	95	0.580	Normal	9	0.000	FFFFFF	FFFFFF
199	84	89	0.580	Normal	9	0.000	FFFFFF	FFFFFF
203	76	56	1.510	Normal	1	0.000	FFFFRR	FFFFRR
207	87	64	1.510	Normal	1	0.000	FFFFRR	FFFFRR
213	71	93	3.599	Tension	2	0.000	FFFFRR	FFFFRR
214	93	82	3.599	Tension	2	0.000	FFFFRR	FFFFRR
217	76	95	3.599	Tension	2	0.000	FFFFRR	FFFFRR
218	95	87	3.599	Tension	2	0.000	FFFFRR	FFFFRR
225	95	1010	3.431	Tension	2	0.000	FFFFRR	FFFFRR
226	93	1011	3.431	Tension	2	0.000	FFFFRR	FFFFRR
1000	47	1000	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1001	48	1001	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1002	49	1002	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1003	50	1003	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1004	47	1004	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1005	48	1005	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1006	49	1006	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1007	50	1007	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1008	48	1008	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1009	47	1009	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1010	50	1010	0.200	Normal	6	0.000	FFFFFF	FFFFFF
1011	49	1011	0.200	Normal	6	0.000	FFFFFF	FFFFFF

ID	Node A Offsets	Node B Offsets	Offset Axis	Node A Rot Stiff Y	Node A Rot Stiff Z	Node B Rot Stiff Y	Node B Rot Stiff Z	Cable Length	T/C Limit	Mirror	Disable Non-Linear
1	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
2	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
3	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
5	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
6	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
7	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
8	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
9	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
10	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
11	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
12	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No
13	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No
14	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No
15	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No
16	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
17	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No
18	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No
19	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No
20	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No
24	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No
25	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
26	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
27	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
28	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
29	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No
35	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	undefined	No	No

177	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
179	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
181	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
184	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
186	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
187	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
189	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
192	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
194	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
197	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
198	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
199	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
203	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
207	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
213	0, 0, 0	0, 0, 0	Local	-	-	-	-	undefined	-	No	No
214	0, 0, 0	0, 0, 0	Local	-	-	-	-	undefined	-	No	No
217	0, 0, 0	0, 0, 0	Local	-	-	-	-	undefined	-	No	No
218	0, 0, 0	0, 0, 0	Local	-	-	-	-	undefined	-	No	No
225	0, 0, 0	0, 0, 0	Local	-	-	-	-	undefined	-	No	No
226	0, 0, 0	0, 0, 0	Local	-	-	-	-	undefined	-	No	No
1000	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1001	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1002	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1003	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1004	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1005	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1006	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1007	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1008	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1009	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1010	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No
1011	0, 0, 0	0, 0, 0	Local	-	-	-	-	-	-	No	No

SUPPORTS (kN/m, kN-m/rad)

F=Fixed, R=Released, S=Spring

B=Both Axes Restraint, N=Negative-Axis Restraint Only, P=Positive-Axis Restraint Only

ID	Node ID	Restraint Code	Direction Code	X Trans Stiffness	Y Trans Stiffness	Z Trans Stiffness	X Rot Stiffness	Y Rot Stiffness	Z Rot Stiffness	Source
1	35	FFRRRR	BBBBBB	-	-	-	-	-	-	User Defined Nodal Support
2	36	FRFRRR	BBBBBB	-	-	-	-	-	-	User Defined Nodal Support
3	37	RRFRRR	BBBBBB	-	-	-	-	-	-	User Defined Nodal Support

MATERIALS (MPa, kg/m³, 10⁻⁶/degC)

Shear Modulus is used for members only.

Ex, Ey, Gxy, Gxz, Gyz are used for orthotropic plates only.

ID	Name	Young's Modulus	Shear Modulus	Density	Poisson's Ratio	Thermal Exp. Coeff.	Young's Modulus x	Young's Modulus y	Shear Modulus xy	Shear Modulus xz	Shear Modulus yz	Poisson's Ratio xy
5	ANALYSISONLY	70000.000	Auto	1600.000	0.300	-	-	-	-	-	-	Auto
6	TETHERS	70000.000	Auto	0.010	0.270	-	-	-	-	-	-	Auto
7	TANKSUSPENSION_ANALYSIS_ONLY	70000.000	Auto	0.010	0.300	-	-	-	-	-	-	Auto

SECTIONS (mm, mm², mm⁴, deg)

ID	Name	Shape	Material ID	Depth	Width	Shear Area z (STRESS)	Shear Area y (STRESS)	Shear Area z (TIMO)	Shear Area y (TIMO)	Torsion Radius
1	60 x 60	Hollow Circular	5	60.000	60.000	254.469	254.469	-	-	30.000
2	5 x 5	Circular	6	5.000	5.000	17.671	17.671	-	-	2.500
3	100 x 100	Hollow Circular	5	100.000	100.000	442.965	442.965	-	-	50.000
4	KEEL_400ID_401.560D_wall0.78	Hollow Circular	5	401.560	401.560	490.088	490.088	-	-	200.780
5	KEEL_REINFORCED_PROXY_400ID_403.120D_wall1.56	Hollow Circular	5	403.120	403.120	980.177	980.177	-	-	201.560
6	TANK_SUSPENSION_SOLID_60MM_PROXY	Hollow Circular	7	60.000	60.000	254.469	254.469	-	-	30.000
7	GONDOLA_600Dx3	Hollow Circular	5	60.000	60.000	254.469	254.469	-	-	30.000
8	GONDOLA_LOWER_200Dx2	Hollow Circular	5	20.000	20.000	254.469	254.469	-	-	30.000
9	V124 CF 200Dx2 isotropic proxy	Hollow Circular	5	20.000	20.000	50.265	50.265	-	-	10.000
10	V124 CF 600Dx3 isotropic proxy	Hollow Circular	5	60.000	60.000	254.469	254.469	-	-	30.000

ID	Centroid y	Centroid z	Area (A)	y-Axis Mol (Iy)	z-Axis Mol (Iz)	Torsion Constant (J)	Principal Angle	Non Prismatic
1	30.000	30.000	537.212	218779.727	218779.727	437559.454	0.000	N
2	2.500	2.500	19.635	30.680	30.680	61.359	0.000	N
3	50.000	50.000	914.203	1076246.026	1076246.026	2152492.052	0.000	N
4	200.780	200.780	982.088	19718517.317	19718517.317	39437034.634	0.000	N
5	201.560	201.560	1967.999	39668189.120	39668189.120	79336378.239	0.000	N
6	30.000	30.000	2827.433	636172.512	636172.512	1272345.025	0.000	N
7	30.000	30.000	537.212	218779.727	218779.727	437559.454	0.000	N
8	30.000	30.000	113.097	4636.991	4636.991	437559.454	0.000	N
9	10.000	10.000	113.097	4636.991	4636.991	9273.982	0.000	N
10	30.000	30.000	537.212	218779.727	218779.727	437559.454	0.000	N

ID	Area Mod. Factor	Iy Mod. Factor	Iz Mod. Factor	Torsion Constant Mod. Factor	Shear Area z (TIMO) Mod. Factor	Shear Area y (TIMO) Mod. Factor
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	-	-	-	-	-
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-

ID	Modified Area	Modified Iy	Modified Iz	Modified Torsion Constant	Modified Shear Area z (TIMO)	Modified Shear Area y (TIMO)
1	537.212	218779.727	218779.727	437559.454	-	-
2	19.635	30.680	30.680	61.359	-	-
3	914.203	1076246.026	1076246.026	2152492.052	-	-
4	982.088	19718517.317	19718517.317	39437034.634	-	-
5	1967.999	39668189.120	39668189.120	79336378.239	-	-
6	2827.433	636172.512	636172.512	1272345.025	-	-
7	537.212	218779.727	218779.727	437559.454	-	-
8	113.097	4636.991	4636.991	437559.454	-	-
9	113.097	4636.991	4636.991	9273.982	-	-
10	537.212	218779.727	218779.727	437559.454	-	-

POINT LOADS (kN)

ID	Load Group	Node	Member	Position (%)	X Magnitude	Y Magnitude	Z Magnitude
1	LG	1			0.000	0.000	-0.118
2	UP_SYM	1			0.000	0.000	1.079
3	LG	1			0.000	0.000	1.079
4	LG	1			0.000	0.000	-1.079
5	LG	1			0.000	0.000	1.079
6	LG	6			0.000	0.000	-0.118
7	DOWN_SYM	1			0.000	0.000	-1.079
8	LG	6			0.000	0.000	1.079
9	LG	6			0.000	0.000	-1.079
10	LG	6			0.000	0.000	-0.118
11	G_NACELLE	1			0.000	0.000	-0.118
12	G_NACELLE	6			0.000	0.000	-0.118
13	FWD_SYM	1			1.079	0.000	0.000
14	FWD_SYM	6			1.079	0.000	0.000
15	ROLL_DIFF	1			0.000	0.000	1.079
16	UP_SYM	6			0.000	0.000	1.079
17	DOWN_SYM	6			0.000	0.000	-1.079
18	ROLL_DIFF	6			0.000	0.000	-1.079
19	G_CENTRAL_EQUIV	71			0.000	0.000	-1.320
20	G_CENTRAL_EQUIV	76			0.000	0.000	-1.320
21	VEC_45_FWD_DOWN	1			0.763	0.000	-0.763
22	VEC_45_FWD_DOWN	6			0.763	0.000	-0.763
23	LG	18			0.000	0.000	-0.118

24	UP_SYM	18		0.000	0.000	1.079
25	LG	18		0.000	0.000	1.079
26	LG	18		0.000	0.000	-1.079
27	LG	18		0.000	0.000	1.079
28	LG	23		0.000	0.000	-0.118
29	DOWN_SYM	18		0.000	0.000	-1.079
30	LG	23		0.000	0.000	1.079
31	LG	23		0.000	0.000	-1.079
32	LG	23		0.000	0.000	-0.118
33	G_NACELLE	18		0.000	0.000	-0.118
34	G_NACELLE	23		0.000	0.000	-0.118
35	FWD_SYM	18		1.079	0.000	0.000
36	FWD_SYM	23		1.079	0.000	0.000
37	ROLL_DIFF	18		0.000	0.000	1.079
38	UP_SYM	23		0.000	0.000	1.079
39	DOWN_SYM	23		0.000	0.000	-1.079
40	ROLL_DIFF	23		0.000	0.000	-1.079
41	G_CENTRAL_EQUIV	82		0.000	0.000	-0.603
42	G_CENTRAL_EQUIV	87		0.000	0.000	-0.603
43	VEC_45_FWD_DOWN	18		0.763	0.000	-0.763
44	VEC_45_FWD_DOWN	23		0.763	0.000	-0.763
45	G_FRONT_PROP_RESERVE	35		0.000	0.000	-0.069
46	G_FRONT_PROP_RESERVE	36		0.000	0.000	-0.069
47	G_TAIL_VECTOR_RESERVE	37		0.000	0.000	-0.078
48	G_TAIL_VECTOR_RESERVE	38		0.000	0.000	-0.078
49	FLIGHT_ENVELOPE_NET	35		0.000	0.000	0.203
50	FLIGHT_ENVELOPE_NET	19		0.000	0.000	0.918
51	FLIGHT_ENVELOPE_NET	2		0.000	0.000	1.206
52	FLIGHT_ENVELOPE_NET	37		0.000	0.000	0.331
53	FLIGHT_ENVELOPE_NET	36		0.000	0.000	0.203
54	FLIGHT_ENVELOPE_NET	22		0.000	0.000	0.918
55	FLIGHT_ENVELOPE_NET	5		0.000	0.000	1.206
56	FLIGHT_ENVELOPE_NET	38		0.000	0.000	0.331
57	FLIGHT_KEEL_MASS_CORRECTION	35		0.000	0.000	-0.050
58	FLIGHT_KEEL_MASS_CORRECTION	19		0.000	0.000	-0.116
59	FLIGHT_KEEL_MASS_CORRECTION	2		0.000	0.000	-0.161
60	FLIGHT_KEEL_MASS_CORRECTION	37		0.000	0.000	-0.094
61	FLIGHT_KEEL_MASS_CORRECTION	36		0.000	0.000	-0.050
62	FLIGHT_KEEL_MASS_CORRECTION	22		0.000	0.000	-0.116
63	FLIGHT_KEEL_MASS_CORRECTION	5		0.000	0.000	-0.161
64	FLIGHT_KEEL_MASS_CORRECTION	38		0.000	0.000	-0.094
65	FLIGHT_GONDOLA_TRIM	9		0.000	0.000	-0.885
66	FLIGHT_GONDOLA_TRIM	12		0.000	0.000	-0.885
67	FLIGHT_GONDOLA_TRIM	26		0.000	0.000	-0.440
68	FLIGHT_GONDOLA_TRIM	29		0.000	0.000	-0.440
69	G_TANK_STRUCTURE	47		0.000	0.000	-0.015
70	G_TANK_STRUCTURE	48		0.000	0.000	-0.015
71	G_TANK_STRUCTURE	49		0.000	0.000	-0.015
72	G_TANK_STRUCTURE	50		0.000	0.000	-0.015
73	BALLAST_NOMINAL_40KG	47		0.000	0.000	-0.098
74	BALLAST_NOMINAL_40KG	48		0.000	0.000	-0.098
75	BALLAST_NOMINAL_40KG	49		0.000	0.000	-0.098
76	BALLAST_NOMINAL_40KG	50		0.000	0.000	-0.098
77	BALLAST_MAX_120KG	47		0.000	0.000	-0.294
78	BALLAST_MAX_120KG	48		0.000	0.000	-0.294
79	BALLAST_MAX_120KG	49		0.000	0.000	-0.294
80	BALLAST_MAX_120KG	50		0.000	0.000	-0.294
81	TRIM_RELIEF_TANK_STRUCTURE	9		0.000	0.000	0.015
82	TRIM_RELIEF_TANK_STRUCTURE	12		0.000	0.000	0.015
83	TRIM_RELIEF_TANK_STRUCTURE	26		0.000	0.000	0.015
84	TRIM_RELIEF_TANK_STRUCTURE	29		0.000	0.000	0.015
85	TRIM_RELIEF_BALLAST_NOMINAL	9		0.000	0.000	0.098
86	TRIM_RELIEF_BALLAST_NOMINAL	12		0.000	0.000	0.098
87	TRIM_RELIEF_BALLAST_NOMINAL	26		0.000	0.000	0.098
88	TRIM_RELIEF_BALLAST_NOMINAL	29		0.000	0.000	0.098
89	TRIM_RELIEF_BALLAST_MAX	9		0.000	0.000	0.294
90	TRIM_RELIEF_BALLAST_MAX	12		0.000	0.000	0.294
91	TRIM_RELIEF_BALLAST_MAX	26		0.000	0.000	0.294
92	TRIM_RELIEF_BALLAST_MAX	29		0.000	0.000	0.294
93	G_BATTERY_REAR_100KG	71		0.000	0.000	-0.490
94	G_BATTERY_REAR_100KG	76		0.000	0.000	-0.490
95	TRIM_RELIEF_BATTERY_REAR	9		0.000	0.000	0.490
96	TRIM_RELIEF_BATTERY_REAR	12		0.000	0.000	0.490
97	FLIGHT_ENVELOPE_NET_521P63KG	2		0.000	0.000	0.920
98	FLIGHT_ENVELOPE_NET_521P63KG	5		0.000	0.000	0.920
99	FLIGHT_ENVELOPE_NET_521P63KG	19		0.000	0.000	0.701
100	FLIGHT_ENVELOPE_NET_521P63KG	22		0.000	0.000	0.701
101	FLIGHT_ENVELOPE_NET_521P63KG	35		0.000	0.000	0.155
102	FLIGHT_ENVELOPE_NET_521P63KG	36		0.000	0.000	0.155
103	FLIGHT_ENVELOPE_NET_521P63KG	37		0.000	0.000	0.253

104	FLIGHT_ENVELOPE_NET_521P63KG	38		0.000	0.000	0.253
105	MASS_MAIN_PROPULSION	67		0.000	0.000	-0.082
106	MASS_MAIN_PROPULSION	68		0.000	0.000	-0.082
107	MASS_MAIN_PROPULSION	69		0.000	0.000	-0.082
108	MASS_MAIN_PROPULSION	70		0.000	0.000	-0.082
109	MASS_MAIN_HV_HARNESS	1		0.000	0.000	-0.013
110	MASS_MAIN_HV_HARNESS	6		0.000	0.000	-0.013
111	MASS_MAIN_HV_HARNESS	18		0.000	0.000	-0.013
112	MASS_MAIN_HV_HARNESS	23		0.000	0.000	-0.013
115	MASS_KEEL_VECTOR_AND_HARNESS	37		0.000	0.000	-0.064
116	MASS_KEEL_VECTOR_AND_HARNESS	38		0.000	0.000	-0.064
117	MASS_BATTERY_AND_OVERHEAD_REAR	71		0.000	0.000	-0.530
118	MASS_BATTERY_AND_OVERHEAD_REAR	76		0.000	0.000	-0.530
119	MASS_AVIONICS_REAR	71		0.000	0.000	-0.049
120	MASS_AVIONICS_REAR	76		0.000	0.000	-0.049
121	MASS_TANK_STRUCTURE	47		0.000	0.000	-0.015
122	MASS_TANK_STRUCTURE	48		0.000	0.000	-0.015
123	MASS_TANK_STRUCTURE	49		0.000	0.000	-0.015
124	MASS_TANK_STRUCTURE	50		0.000	0.000	-0.015
125	MASS_BALLAST_NOMINAL_40KG	47		0.000	0.000	-0.098
126	MASS_BALLAST_NOMINAL_40KG	48		0.000	0.000	-0.098
127	MASS_BALLAST_NOMINAL_40KG	49		0.000	0.000	-0.098
128	MASS_BALLAST_NOMINAL_40KG	50		0.000	0.000	-0.098
129	MASS_SAFETY_REAR	71		0.000	0.000	-0.025
130	MASS_SAFETY_REAR	76		0.000	0.000	-0.025
131	MASS_FIRST_FLIGHT_PAYLOAD_REAR	71		0.000	0.000	-0.005
132	MASS_FIRST_FLIGHT_PAYLOAD_REAR	76		0.000	0.000	-0.005
133	MASS_STRUCTURAL_PROXY_RECONCILIATION	71		0.000	0.000	0.006
134	MASS_STRUCTURAL_PROXY_RECONCILIATION	76		0.000	0.000	0.006
135	THRUST_FWD_NEG_X	1		-1.079	0.000	0.000
136	THRUST_FWD_NEG_X	6		-1.079	0.000	0.000
137	THRUST_FWD_NEG_X	18		-1.079	0.000	0.000
138	THRUST_FWD_NEG_X	23		-1.079	0.000	0.000
139	THRUST_VEC_45_FWD_DOWN_NEG_X	1		-0.763	0.000	-0.763
140	THRUST_VEC_45_FWD_DOWN_NEG_X	6		-0.763	0.000	-0.763
141	THRUST_VEC_45_FWD_DOWN_NEG_X	18		-0.763	0.000	-0.763
142	THRUST_VEC_45_FWD_DOWN_NEG_X	23		-0.763	0.000	-0.763
143	MASS_BATTERY_OVERHEAD_FIXED_REAR	71		0.000	0.000	-0.039
144	MASS_BATTERY_OVERHEAD_FIXED_REAR	76		0.000	0.000	-0.039
145	MASS_BATTERY_REAR_100KG	71		0.000	0.000	-0.490
146	MASS_BATTERY_REAR_100KG	76		0.000	0.000	-0.490
147	MASS_BATTERY_TARGET_100KG	71		0.000	0.000	-0.332
148	MASS_BATTERY_TARGET_100KG	76		0.000	0.000	-0.332
149	MASS_BATTERY_TARGET_100KG	82		0.000	0.000	-0.158
150	MASS_BATTERY_TARGET_100KG	87		0.000	0.000	-0.158
151	MASS_BATTERY_FORWARD_100KG	73		0.000	0.000	-0.245
152	MASS_BATTERY_FORWARD_100KG	78		0.000	0.000	-0.245
153	MASS_BATTERY_FORWARD_100KG	84		0.000	0.000	-0.245
154	MASS_BATTERY_FORWARD_100KG	89		0.000	0.000	-0.245
155	MASS_BATTERY_RAIL_REAR_100KG	71		0.000	0.000	-0.490
156	MASS_BATTERY_RAIL_REAR_100KG	76		0.000	0.000	-0.490
157	MASS_BATTERY_RAIL_TARGET	71		0.000	0.000	-0.332
158	MASS_BATTERY_RAIL_TARGET	76		0.000	0.000	-0.332
159	MASS_BATTERY_RAIL_TARGET	82		0.000	0.000	-0.158
160	MASS_BATTERY_RAIL_TARGET	87		0.000	0.000	-0.158
165	THRUST_VEC_45_FWD_DOWN_NEG_X_OFFSET_Z-0P200	67		-0.763	0.000	-0.763
166	THRUST_VEC_45_FWD_DOWN_NEG_X_OFFSET_Z-0P200	68		-0.763	0.000	-0.763
167	THRUST_VEC_45_FWD_DOWN_NEG_X_OFFSET_Z-0P200	69		-0.763	0.000	-0.763
168	THRUST_VEC_45_FWD_DOWN_NEG_X_OFFSET_Z-0P200	70		-0.763	0.000	-0.763
169	THRUST_VEC_45_FWD_UP_NEG_X_OFFSET_Z-0P200	67		-0.763	0.000	0.763
170	THRUST_VEC_45_FWD_UP_NEG_X_OFFSET_Z-0P200	68		-0.763	0.000	0.763
171	THRUST_VEC_45_FWD_UP_NEG_X_OFFSET_Z-0P200	69		-0.763	0.000	0.763
172	THRUST_VEC_45_FWD_UP_NEG_X_OFFSET_Z-0P200	70		-0.763	0.000	0.763
173	CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200	67		-1.063	0.000	-0.187
174	CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200	68		-1.063	0.000	-0.187
175	CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200	69		-1.063	0.000	-0.187
176	CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200	70		-1.063	0.000	-0.187
177	CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200	67		-1.063	0.000	0.187
178	CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200	68		-1.063	0.000	0.187
179	CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200	69		-1.063	0.000	0.187
180	CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200	70		-1.063	0.000	0.187
181	CTRL_25PCT_45DEG_FWD_DOWN_OFFSET_Z-0P200	67		-0.191	0.000	-0.191
182	CTRL_25PCT_45DEG_FWD_DOWN_OFFSET_Z-0P200	68		-0.191	0.000	-0.191
183	CTRL_25PCT_45DEG_FWD_DOWN_OFFSET_Z-0P200	69		-0.191	0.000	-0.191
184	CTRL_25PCT_45DEG_FWD_DOWN_OFFSET_Z-0P200	70		-0.191	0.000	-0.191
185	CTRL_25PCT_45DEG_FWD_UP_OFFSET_Z-0P200	67		-0.191	0.000	0.191
186	CTRL_25PCT_45DEG_FWD_UP_OFFSET_Z-0P200	68		-0.191	0.000	0.191
187	CTRL_25PCT_45DEG_FWD_UP_OFFSET_Z-0P200	69		-0.191	0.000	0.191
188	CTRL_25PCT_45DEG_FWD_UP_OFFSET_Z-0P200	70		-0.191	0.000	0.191

189	TAIL_VECTOR_UP_400N_EACH	37		0.000	0.000	0.400
190	TAIL_VECTOR_UP_400N_EACH	38		0.000	0.000	0.400
191	TAIL_VECTOR_DOWN_400N_EACH	37		0.000	0.000	-0.400
192	TAIL_VECTOR_DOWN_400N_EACH	38		0.000	0.000	-0.400
193	V124_GONDOLA_UNRESOLVED_MASS_ALLOWANCE	73		0.000	0.000	-0.008
194	V124_GONDOLA_UNRESOLVED_MASS_ALLOWANCE	78		0.000	0.000	-0.008
195	V124_GONDOLA_UNRESOLVED_MASS_ALLOWANCE	84		0.000	0.000	-0.008
196	V124_GONDOLA_UNRESOLVED_MASS_ALLOWANCE	89		0.000	0.000	-0.008
197	V118_PX_FRONT_PAIRED_BALANCE	54		2.125	0.000	0.000
198	V118_PX_FRONT_PAIRED_BALANCE	58		2.125	0.000	0.000

SELF WEIGHT (g's)

Load Group	X Gravity	Y Gravity	Z Gravity
SW1	0.000	0.000	-1.000

LOAD COMBINATIONS

ID	Name	
24	LC-FLIGHT-FORWARD-X-3P0-CTRLFULL_10DEG_FWD_DOWN_OFFSET_Z-0P200-V125-PX-DATUM	
24	Criteria	Strength
24	SW1 Factor	1.000
24	GCENTRAL_EQUIV Factor	0
24	GNACELLE Factor	0
24	GFRONT_PROP_RESERVE Factor	0
24	GTAIL_VECTOR_RESERVE Factor	0
24	FLIGHTENVELOPE_NET Factor	0
24	FLIGHTKEEL_MASS_CORRECTION Factor	1.000
24	FLIGHTGONDOLA_TRIM Factor	0
24	GTANK_STRUCTURE Factor	0
24	TRIMRELIEF_TANK_STRUCTURE Factor	0
24	BALLASTNOMINAL_40KG Factor	0
24	TRIMRELIEF_BALLAST_NOMINAL Factor	0
24	BALLASTMAX_120KG Factor	0
24	TRIMRELIEF_BALLAST_MAX Factor	0
24	GBATTERY_REAR_100KG Factor	0
24	TRIMRELIEF_BATTERY_REAR Factor	0
24	FLIGHTENVELOPE_NET_521P63KG Factor	1.000
24	MASSMAIN_PROPULSION Factor	1.000
24	MASSMAIN_HV_HARNESS Factor	1.000
24	MASSKEEL_VECTOR_AND_HARNESS Factor	1.000
24	MASSBATTERY_AND_OVERHEAD_REAR Factor	0
24	MASSAVIONICS_REAR Factor	1.000
24	MASSTANK_STRUCTURE Factor	1.000
24	MASSBALLAST_NOMINAL_40KG Factor	1.000
24	MASSSAFETY_REAR Factor	1.000
24	MASSFIRST_FLIGHT_PAYLOAD_REAR Factor	1.000
24	MASSSTRUCTURAL_PROXY_RECONCILIATION Factor	1.000
24	THRUSTFWD_NEG_X Factor	0
24	THRUSTVEC_45_FWD_DOWN_NEG_X Factor	0
24	MASSBATTERY_OVERHEAD_FIXED_REAR Factor	1.000
24	MASSBATTERY_REAR_100KG Factor	0
24	MASSBATTERY_TARGET_100KG Factor	0
24	MASSBATTERY_FORWARD_100KG Factor	1.000
24	MASSBATTERY_RAIL_REAR_100KG Factor	0
24	THRUSTVEC_45_FWD_DOWN_NEG_X_OFFSET_Z-0P200 Factor	0
24	THRUSTVEC_45_FWD_UP_NEG_X_OFFSET_Z-0P200 Factor	0
24	CTRLFULL_10DEG_FWD_DOWN_OFFSET_Z-0P200 Factor	1.000
24	CTRLFULL_10DEG_FWD_UP_OFFSET_Z-0P200 Factor	0
24	CTRL25PCT_45DEG_FWD_DOWN_OFFSET_Z-0P200 Factor	0
24	CTRL25PCT_45DEG_FWD_UP_OFFSET_Z-0P200 Factor	0
24	V124GONDOLA_UNRESOLVED_MASS_ALLOWANCE Factor	1.000
24	V118PX_FRONT_PAIRED_BALANCE Factor	1.000
24	DOWNSYM Factor	0
24	FWDSYM Factor	0
24	LG Factor	0
24	MASSBATTERY_RAIL_TARGET Factor	0
24	ROLDDIFF Factor	0
24	TAILVECTOR_DOWN_400N_EACH Factor	0
24	TAILVECTOR_UP_400N_EACH Factor	0
24	UPSYM Factor	0
24	VEC45_FWD_DOWN Factor	0
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25	LC-FLIGHT-FORWARD-X-3P0-CTRLFULL_10DEG_FWD_UP_OFFSET_Z-0P200-V125-PX-DATUM	
25	Criteria	Strength
25	SW1 Factor	1.000
25	GCENTRAL_EQUIV Factor	0
25	GNACELLE Factor	0

25	GFRONT_PROP_RESERVE Factor	0
25	GTAIL_VECTOR_RESERVE Factor	0
25	FLIGHTENVELOPE_NET Factor	0
25	FLIGHTKEEL_MASS_CORRECTION Factor	1.000
25	FLIGHTGONDOLA_TRIM Factor	0
25	GTANK_STRUCTURE Factor	0
25	TRIMRELIEF_TANK_STRUCTURE Factor	0
25	BALLASTNOMINAL_40KG Factor	0
25	TRIMRELIEF_BALLAST_NOMINAL Factor	0
25	BALLASTMAX_120KG Factor	0
25	TRIMRELIEF_BALLAST_MAX Factor	0
25	GBATTERY_REAR_100KG Factor	0
25	TRIMRELIEF_BATTERY_REAR Factor	0
25	FLIGHTENVELOPE_NET_521P63KG Factor	1.000
25	MASSMAIN_PROPULSION Factor	1.000
25	MASSMAIN_HV_HARNESS Factor	1.000
25	MASSKEEL_VECTOR_AND_HARNESS Factor	1.000
25	MASSBATTERY_AND_OVERHEAD_REAR Factor	0
25	MASSAVIONICS_REAR Factor	1.000
25	MASSTANK_STRUCTURE Factor	1.000
25	MASSBALLAST_NOMINAL_40KG Factor	1.000
25	MASSSAFETY_REAR Factor	1.000
25	MASSFIRST_FLIGHT_PAYLOAD_REAR Factor	1.000
25	MASSTRUCTURAL_PROXY_RECONCILIATION Factor	1.000
25	THRUSTFWD_NEG_X Factor	0
25	THRUSTVEC_45_FWD_DOWN_NEG_X Factor	0
25	MASSBATTERY_OVERHEAD_FIXED_REAR Factor	1.000
25	MASSBATTERY_REAR_100KG Factor	0
25	MASSBATTERY_TARGET_100KG Factor	0
25	MASSBATTERY_FORWARD_100KG Factor	1.000
25	MASSBATTERY_RAIL_REAR_100KG Factor	0
25	THRUSTVEC_45_FWD_DOWN_NEG_X_OFFSET_Z-0P200 Factor	0
25	THRUSTVEC_45_FWD_UP_NEG_X_OFFSET_Z-0P200 Factor	0
25	CTRLFULL_10DEG_FWD_DOWN_OFFSET_Z-0P200 Factor	0
25	CTRLFULL_10DEG_FWD_UP_OFFSET_Z-0P200 Factor	1.000
25	CTRL25PCT_45DEG_FWD_DOWN_OFFSET_Z-0P200 Factor	0
25	CTRL25PCT_45DEG_FWD_UP_OFFSET_Z-0P200 Factor	0
25	V124GONDOLA_UNRESOLVED_MASS_ALLOWANCE Factor	1.000
25	V118PX_FRONT_PAired_BALANCE Factor	1.000
25	DOWNSYM Factor	0
25	FWDSYM Factor	0
25	LG Factor	0
25	MASSBATTERY_RAIL_TARGET Factor	0
25	ROLLDIFF Factor	0
25	TAILVECTOR_DOWN_400N_EACH Factor	0
25	TAILVECTOR_UP_400N_EACH Factor	0
25	UPSYM Factor	0
25	VEC45_FWD_DOWN Factor	0

Bill of Materials

BILL OF MATERIALS FOR MEMBERS (m, kg)

Section	Material	Quantity	Unit Length	Total Length	Unit Mass	Total Mass
1: 60 x 60	5: ANALYSIS_ONLY	4	0.371	1.483	0.319	1.274
1: 60 x 60	5: ANALYSIS_ONLY	4	0.290	1.160	0.249	0.997
1: 60 x 60	5: ANALYSIS_ONLY	4	1.510	6.040	1.298	5.192
1: 60 x 60	5: ANALYSIS_ONLY	8	2.300	18.400	1.977	15.816
2: 5 x 5	6: TETHERS	2	7.211	14.422	0.000	0.000
2: 5 x 5	6: TETHERS	4	3.678	14.714	0.000	0.000
2: 5 x 5	6: TETHERS	4	3.156	12.623	0.000	0.000
2: 5 x 5	6: TETHERS	4	1.749	6.996	0.000	0.000
2: 5 x 5	6: TETHERS	4	3.599	14.396	0.000	0.000
2: 5 x 5	6: TETHERS	4	3.431	13.724	0.000	0.000
2: 5 x 5	6: TETHERS	20	3.536	70.711	0.000	0.000
3: 100 x 100	5: ANALYSIS_ONLY	4	2.300	9.200	3.364	13.457
3: 100 x 100	5: ANALYSIS_ONLY	4	1.000	4.000	1.463	5.851
4: KEEL_400ID_401.560D_wall0.78	5: ANALYSIS_ONLY	2	1.000	2.000	1.571	3.143
4: KEEL_400ID_401.560D_wall0.78	5: ANALYSIS_ONLY	2	6.000	12.000	9.428	18.856
4: KEEL_400ID_401.560D_wall0.78	5: ANALYSIS_ONLY	10	2.000	20.000	3.143	31.427
5: KEEL_REINFORCED_PROXY_400ID_403.120D_wall1.56	5: ANALYSIS_ONLY	8	0.500	4.000	1.574	12.595
6: TANK_SUSPENSION_SOLID_60MM_PROXY	7: TANK_SUSPENSION_ANALYSIS_ONLY	12	0.200	2.400	0.000	0.000
9: V124 CF 200Dx2 isotropic proxy	5: ANALYSIS_ONLY	3	0.580	1.740	0.105	0.315
9: V124 CF 200Dx2 isotropic proxy	5: ANALYSIS_ONLY	4	1.988	7.952	0.360	1.439
9: V124 CF 200Dx2 isotropic proxy	5: ANALYSIS_ONLY	4	3.000	12.000	0.543	2.171
						112.533

Nodal Results

Load Combination #24: LC-FLIGHT-FORWARD-X-3P0-CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200-V125-PX-DATUM
= (SW1) + (FLIGHT_KEEL_MASS_CORRECTION) + (FLIGHT_ENVELOPE_NET_521P63KG) + (MASS_MAIN_PROPULSION) + (MASS_MAIN_HV_HARNESS) + (MASS_KEEL_VECTOR_AND_HARNESS) + (MASS_AVIONICS_REAR) + (MASS_TANK_STRUCTURE) + (MASS_BALLAST_NOMINAL_40KG) + (MASS_SAFETY_REAR) + (MASS_FIRST_FLIGHT_PAYLOAD_REAR) + (MASS_STRUCTURAL_PROXY_RECONCILIATION) + (MASS_BATTERY_OVERHEAD_FIXED_REAR) + (MASS_BATTERY_FORWARD_100KG) + (CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200) + (V124_GONDOLA_UNRESOLVED_MASS_ALLOWANCE) + (V118_PX_FRONT_PAIRED_BALANCE)

Zero Factor Load Groups in this Combination:

G_CENTRAL_EQUIV
G_NACELLE
G_FRONT_PROP_RESERVE
G_TAIL_VECTOR_RESERVE
FLIGHT_ENVELOPE_NET
FLIGHT_GONDOLA_TRIM
G_TANK_STRUCTURE
TRIM_RELIEF_TANK_STRUCTURE
BALLAST_NOMINAL_40KG
TRIM_RELIEF_BALLAST_NOMINAL
BALLAST_MAX_120KG
TRIM_RELIEF_BALLAST_MAX
G_BATTERY_REAR_100KG
TRIM_RELIEF_BATTERY_REAR
MASS_BATTERY_AND_OVERHEAD_REAR
THRUST_FWD_NEG_X
THRUST_VEC_45_FWD_DOWN_NEG_X
MASS_BATTERY_REAR_100KG
MASS_BATTERY_TARGET_100KG
MASS_BATTERY_RAIL_REAR_100KG
THRUST_VEC_45_FWD_DOWN_NEG_X_OFFSET_Z-0P200
THRUST_VEC_45_FWD_UP_NEG_X_OFFSET_Z-0P200
CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200
CTRL_25PCT_45DEG_FWD_DOWN_OFFSET_Z-0P200
CTRL_25PCT_45DEG_FWD_UP_OFFSET_Z-0P200
DOWN_SYM
FWD_SYM
LG
MASS_BATTERY_RAIL_TARGET
ROLL_DIFF
TAIL_VECTOR_DOWN_400N_EACH
TAIL_VECTOR_UP_400N_EACH
UP_SYM
VEC_45_FWD_DOWN

NODE REACTIONS (kN, kN-m)

Support ID	Node	X Force	Y Force	Z Force	X Moment	Y Moment	Z Moment
1	35	-0.007	0.000	0.075	0.000	0.000	0.000
2	36	0.007	0.000	0.417	0.000	0.000	0.000
3	37	0.000	0.000	0.342	0.000	0.000	0.000

MEMBER END FORCES AND MOMENTS (kN, kN-m)

Member	Node	Axial Force	Y Shear	Z Shear	X Torsion	Y Moment	Z Moment
1	1	-0.029	1.124	-0.077	0.212	-0.104	-0.033
	7	-0.029	1.124	-0.091	0.212	-0.188	1.091
2	52	-0.329	-0.096	-0.064	0.000	-0.018	0.142
	71	-0.329	-0.096	-0.077	0.000	-0.124	-0.003
3	71	-0.324	-0.122	-0.479	0.001	-0.125	-0.001
	13	-0.324	-0.122	-0.481	-0.001	-0.264	-0.037
5	55	1.997	0.449	-0.135	-0.216	0.051	0.008
	10	1.997	0.449	-0.168	-0.216	-0.296	1.040
6	7	2.370	-0.460	0.215	0.212	-0.295	1.058

	51	2.370	-0.460	0.182	0.212	0.163	-0.000
7	10	-0.028	-1.260	0.046	-0.216	-0.165	1.156
	6	-0.028	-1.260	0.032	-0.216	-0.125	-0.104
8	53	1.582	-0.017	-0.018	0.000	0.040	0.038
	8	1.563	-0.017	-0.018	0.000	-0.001	-0.001
9	54	0.582	-0.011	-0.091	0.054	0.081	0.012
	9	0.601	-0.011	-0.091	0.054	-0.128	-0.014
10	57	1.122	0.002	-0.013	-0.000	0.030	-0.004
	11	1.102	0.002	-0.013	-0.000	-0.000	0.000
11	58	-0.086	0.005	-0.011	-0.004	0.015	-0.015
	12	-0.067	0.005	-0.011	-0.004	-0.010	-0.002
12	7	-0.982	0.000	0.000	-0.000	0.000	0.000
	8	-0.982	0.000	0.000	-0.000	0.000	0.000
13	7	-0.246	0.000	0.000	0.000	0.000	0.000
	1000	-0.246	0.000	0.000	0.000	0.000	0.000
14	10	-0.663	0.000	0.000	0.000	0.000	0.000
	11	-0.663	0.000	0.000	0.000	0.000	0.000
15	10	-0.010	0.000	0.000	-0.000	0.000	0.000
	1001	-0.010	0.000	0.000	-0.000	0.000	0.000
16	13	-0.788	-0.149	0.589	-0.001	-0.288	-0.025
	76	-0.788	-0.149	0.587	-0.001	-0.117	-0.068
17	8	-1.057	0.000	0.000	0.000	0.000	0.000
	81	-1.057	0.000	0.000	0.000	0.000	0.000
18	1004	0.000	0.000	0.000	0.000	0.000	0.000
	73	0.000	0.000	0.000	0.000	0.000	0.000
19	11	-0.333	0.000	0.000	0.000	0.000	0.000
	81	-0.333	0.000	0.000	0.000	0.000	0.000
20	1005	0.000	0.000	0.000	0.000	0.000	0.000
	78	0.000	0.000	0.000	0.000	0.000	0.000
24	7	-2.164	0.000	0.000	0.000	0.000	0.000
	15	-2.164	0.000	0.000	0.000	0.000	0.000
25	2	-0.572	0.522	2.746	0.228	-3.215	-3.330
	39	-0.572	0.522	2.761	0.228	-1.839	-3.069
26	2	2.007	2.465	3.133	0.004	1.432	-4.049
	40	2.007	2.465	3.118	0.004	2.995	-2.817
27	5	-0.580	-5.697	-0.159	0.023	-1.289	4.773
	41	-0.580	-5.697	-0.144	0.023	-1.365	1.925
28	5	1.946	2.577	0.725	-0.007	0.785	2.801
	42	1.946	2.577	0.710	-0.007	1.144	4.090
29	10	-2.163	0.000	0.000	-0.000	0.000	0.000
	17	-2.163	0.000	0.000	-0.000	0.000	0.000
35	12	-0.053	0.000	0.000	-0.000	0.000	0.000
	17	-0.053	0.000	0.000	-0.000	0.000	0.000
36	17	-0.530	0.000	0.000	0.000	0.000	0.000
	11	-0.530	0.000	0.000	0.000	0.000	0.000
37	15	-0.599	0.000	0.000	0.000	0.000	0.000
	9	-0.599	0.000	0.000	0.000	0.000	0.000
40	8	-0.070	0.000	0.000	-0.000	0.000	0.000
	15	-0.070	0.000	0.000	-0.000	0.000	0.000
41	18	-0.025	1.249	0.042	0.214	-0.163	-0.097
	24	-0.025	1.249	0.028	0.214	-0.128	1.152
42	60	1.650	0.091	-0.194	0.000	0.126	-0.042
	82	1.650	0.091	-0.206	0.000	-0.176	0.095
43	82	1.642	-0.082	-0.576	-0.002	-0.167	0.089
	30	1.642	-0.082	-0.578	-0.002	-0.334	0.065
45	63	2.421	0.521	-0.148	-0.215	0.086	-0.172
	27	2.421	0.521	-0.181	-0.215	-0.292	1.026
46	24	2.037	-0.528	0.138	0.213	-0.302	1.042
	59	2.037	-0.528	0.105	0.213	-0.022	-0.173
47	27	-0.021	-1.340	0.023	-0.216	-0.153	1.197
	23	-0.021	-1.340	0.009	-0.216	-0.137	-0.144
48	61	1.031	0.007	0.014	-0.000	-0.033	-0.014
	25	1.011	0.007	0.014	-0.000	-0.001	0.001
49	62	-0.087	-0.011	0.013	-0.004	-0.020	0.028
	26	-0.067	-0.011	0.013	-0.004	0.009	0.004
50	65	1.515	0.009	0.010	0.000	-0.023	-0.021
	28	1.496	0.009	0.010	0.000	0.001	0.001
51	66	0.543	0.017	0.080	0.053	-0.062	-0.025
	29	0.563	0.017	0.080	0.053	0.121	0.013
52	24	-0.616	0.000	0.000	-0.000	0.000	0.000
	25	-0.616	0.000	0.000	-0.000	0.000	0.000
53	24	-0.003	0.000	0.000	0.000	0.000	0.000
	1002	-0.003	0.000	0.000	0.000	0.000	0.000
54	27	-0.945	0.000	0.000	0.000	0.000	0.000
	28	-0.945	0.000	0.000	0.000	0.000	0.000
55	27	-0.232	0.000	0.000	-0.000	0.000	0.000
	1003	-0.232	0.000	0.000	-0.000	0.000	0.000
56	30	2.114	-0.151	0.392	-0.001	-0.300	0.068

	87	2.114	-0.151	0.390	-0.001	-0.187	0.024
57	25	-0.267	0.000	0.000	0.000	0.000	0.000
	92	-0.267	0.000	0.000	0.000	0.000	0.000
58	1006	0.000	0.000	0.000	0.000	0.000	0.000
	84	0.000	0.000	0.000	0.000	0.000	0.000
59	28	-1.003	0.000	0.000	-0.000	0.000	0.000
	92	-1.003	0.000	0.000	-0.000	0.000	0.000
60	1007	0.000	0.000	0.000	0.000	0.000	0.000
	89	0.000	0.000	0.000	0.000	0.000	0.000
63	24	0.000	0.000	0.000	0.000	0.000	0.000
	31	0.000	0.000	0.000	0.000	0.000	0.000
65	19	0.400	5.974	1.995	0.002	-1.865	-1.498
	43	0.400	5.974	2.011	0.002	-0.863	1.489
66	19	1.032	-5.330	1.762	0.226	1.351	1.186
	44	1.032	-5.330	1.746	0.226	2.228	-1.479
67	22	0.455	-14.231	-3.612	0.002	-0.391	3.547
	45	0.455	-14.231	-3.597	0.002	-2.194	-3.568
68	22	1.030	13.465	-3.692	0.033	2.555	-3.350
	46	1.030	13.465	-3.707	0.033	0.705	3.382
70	27	0.000	0.000	0.000	0.000	0.000	0.000
	33	0.000	0.000	0.000	0.000	0.000	0.000
73	28	-0.072	0.000	0.000	-0.000	0.000	0.000
	33	-0.072	0.000	0.000	-0.000	0.000	0.000
74	33	-0.567	0.000	0.000	0.000	0.000	0.000
	29	-0.567	0.000	0.000	0.000	0.000	0.000
78	26	-0.055	0.000	0.000	-0.000	0.000	0.000
	31	-0.055	0.000	0.000	-0.000	0.000	0.000
79	31	-0.521	0.000	0.000	-0.000	0.000	0.000
	25	-0.521	0.000	0.000	-0.000	0.000	0.000
81	14	-0.576	1.513	0.248	0.224	-2.354	-0.626
	32	-0.576	1.513	0.264	0.224	-2.098	0.886
82	16	-0.583	-2.368	-0.671	0.034	-1.225	1.058
	34	-0.583	-2.368	-0.655	0.034	-1.888	-1.310
83	31	-0.009	0.221	0.197	0.000	-0.377	-0.221
	35	-0.009	0.221	0.228	0.000	0.048	0.221
84	33	0.001	-0.557	0.375	0.001	-0.898	0.557
	36	0.001	-0.557	0.406	0.001	-0.116	-0.557
85	15	-0.003	0.018	-0.327	0.007	2.290	-0.055
	37	-0.003	0.018	-0.420	0.007	0.048	0.055
86	17	0.000	0.006	0.016	-0.000	0.234	-0.018
	38	0.000	0.006	-0.076	-0.000	0.054	0.018
87	1008	-0.031	0.000	0.000	0.000	0.000	0.000
	95	-0.031	0.000	0.000	0.000	0.000	0.000
88	1009	-0.385	0.000	0.000	-0.000	0.000	0.000
	93	-0.385	0.000	0.000	-0.000	0.000	0.000
89	8	-0.073	0.000	0.000	-0.000	0.000	0.000
	28	-0.073	0.000	0.000	-0.000	0.000	0.000
90	25	-0.464	0.000	0.000	0.000	0.000	0.000
	11	-0.464	0.000	0.000	0.000	0.000	0.000
91	39	-0.575	1.229	0.142	0.227	-2.555	-2.916
	14	-0.575	1.229	0.173	0.227	-2.241	-0.457
92	40	2.005	1.591	0.197	0.009	2.104	-3.117
	15	2.005	1.591	0.166	0.009	2.467	0.065
93	41	-0.582	-1.458	-0.199	0.028	-1.256	3.227
	16	-0.582	-1.458	-0.168	0.028	-1.623	0.311
94	42	1.944	-1.433	-0.166	-0.004	0.773	2.965
	17	1.944	-1.433	-0.197	-0.004	0.410	0.099
95	43	0.399	0.208	0.496	0.001	-1.302	-0.210
	31	0.399	0.208	0.527	0.001	-0.280	0.205
96	44	1.032	0.258	0.221	0.224	1.793	0.085
	32	1.032	0.258	0.191	0.224	2.205	0.602
97	45	0.455	-0.487	-0.005	0.002	-1.151	0.482
	33	0.455	-0.487	0.026	0.002	-1.129	-0.491
98	46	1.030	0.019	-0.132	0.035	1.757	-0.433
	34	1.030	0.019	-0.162	0.035	1.463	-0.395
99	9	0.175	0.016	0.375	0.054	-0.136	-0.019
	47	0.178	0.016	0.375	0.054	0.003	-0.013
100	12	-0.113	0.004	0.039	-0.004	-0.012	-0.002
	48	-0.109	0.004	0.039	-0.004	0.002	-0.000
101	26	-0.106	-0.042	-0.059	-0.004	0.016	0.011
	49	-0.103	-0.042	-0.059	-0.004	-0.006	-0.005
102	29	0.160	0.054	-0.475	0.053	0.151	0.005
	50	0.163	0.054	-0.475	0.053	-0.025	0.025
155	7	0.000	0.000	0.000	0.000	0.000	0.000
	14	0.000	0.000	0.000	0.000	0.000	0.000
158	24	-2.270	0.000	0.000	0.000	0.000	0.000
	32	-2.270	0.000	0.000	0.000	0.000	0.000
161	27	-2.277	0.000	0.000	-0.000	0.000	0.000

	34	-2.277	0.000	0.000	-0.000	0.000	0.000
166	10	0.000	0.000	0.000	0.000	0.000	0.000
	16	0.000	0.000	0.000	0.000	0.000	0.000
174	71	-0.274	-0.003	-0.001	0.001	0.001	0.003
	73	-0.270	-0.003	-0.001	0.001	-0.001	-0.004
177	76	-0.246	-0.006	0.002	0.002	-0.002	0.007
	78	-0.242	-0.006	0.002	0.002	0.002	-0.005
181	82	-0.243	0.006	-0.002	0.002	0.002	-0.008
	84	-0.240	0.006	-0.002	0.002	-0.002	0.005
184	87	-0.276	0.003	0.001	0.001	-0.001	-0.002
	89	-0.273	0.003	0.001	0.001	0.001	0.003
187	73	0.030	-0.005	-0.002	-0.000	-0.000	0.007
	93	0.030	-0.005	0.004	-0.000	0.002	-0.007
189	93	-0.038	-0.006	-0.003	0.000	0.002	0.009
	84	-0.038	-0.006	0.002	0.000	0.000	-0.009
192	78	-0.033	-0.005	-0.002	-0.000	0.001	0.007
	95	-0.033	-0.005	0.003	-0.000	0.002	-0.007
194	95	0.040	-0.006	-0.003	0.001	0.002	0.009
	89	0.040	-0.006	0.002	0.001	0.000	-0.010
197	73	-0.000	-0.030	0.014	-0.001	-0.003	0.009
	78	-0.000	-0.030	0.013	-0.001	0.005	-0.009
198	93	-0.184	-0.055	0.002	0.000	-0.000	0.016
	95	-0.184	-0.055	0.001	0.000	0.001	-0.016
199	84	-0.000	-0.037	-0.017	-0.001	0.006	0.011
	89	-0.000	-0.037	-0.018	-0.001	-0.004	-0.011
203	76	-0.779	0.068	0.131	0.000	-0.123	-0.059
	56	-0.779	0.068	0.118	0.000	0.065	0.044
207	87	2.110	-0.112	0.156	0.000	-0.180	0.033
	64	2.110	-0.112	0.144	0.000	0.046	-0.136
213	71	0.000	0.000	0.000	0.000	0.000	0.000
	93	0.000	0.000	0.000	0.000	0.000	0.000
214	93	-0.217	0.000	0.000	0.000	0.000	0.000
	82	-0.217	0.000	0.000	0.000	0.000	0.000
217	76	-0.195	0.000	0.000	0.000	0.000	0.000
	95	-0.195	0.000	0.000	0.000	0.000	0.000
218	95	0.000	0.000	0.000	0.000	0.000	0.000
	87	0.000	0.000	0.000	0.000	0.000	0.000
225	95	-0.371	0.000	0.000	-0.000	0.000	0.000
	1010	-0.371	0.000	0.000	-0.000	0.000	0.000
226	93	-0.029	0.000	0.000	0.000	0.000	0.000
	1011	-0.029	0.000	0.000	0.000	0.000	0.000
1000	47	-0.156	0.221	0.200	-0.000	-0.001	-0.022
	1000	-0.156	0.221	0.200	-0.000	0.039	0.022
1001	48	-0.075	-0.445	0.013	-0.000	-0.001	0.045
	1001	-0.075	-0.445	0.013	-0.000	0.002	-0.045
1002	49	-0.005	0.907	-0.318	0.000	0.032	-0.091
	1002	-0.005	0.907	-0.318	0.000	-0.032	0.091
1003	50	-0.146	-0.454	-0.532	-0.000	0.071	0.045
	1003	-0.146	-0.454	-0.532	-0.000	-0.035	-0.046
1004	47	-0.002	0.220	-0.392	0.000	0.039	-0.022
	1004	-0.002	0.220	-0.392	0.000	-0.039	0.022
1005	48	-0.068	-0.445	-0.021	0.000	0.002	0.045
	1005	-0.068	-0.445	-0.021	0.000	-0.002	-0.045
1006	49	-0.003	0.907	0.316	0.000	-0.032	-0.091
	1006	-0.003	0.907	0.316	0.000	0.032	0.091
1007	50	-0.001	-0.458	0.351	0.000	-0.035	0.046
	1007	-0.001	-0.458	0.351	0.000	0.035	-0.046
1008	48	-0.082	-0.277	-0.002	-0.000	-0.001	0.030
	1008	-0.082	-0.277	-0.002	-0.000	-0.001	-0.026
1009	47	-0.252	0.095	0.371	0.000	-0.047	-0.037
	1009	-0.252	0.095	0.371	0.000	0.027	-0.018
1010	50	-0.244	-1.175	0.683	0.000	-0.059	0.144
	1010	-0.244	-1.175	0.683	0.000	0.078	-0.091
1011	49	-0.022	0.815	0.381	-0.000	-0.037	-0.084
	1011	-0.022	0.815	0.381	-0.000	0.039	0.079

NODAL DISPLACEMENTS (mm)

Node	X	Y	Z	Total
	Translation	Translation	Translation	Translation
1	-49.356	-21.774	-77.259	94.229
2	-0.264	-22.342	-58.427	62.554
5	-0.386	-22.394	-79.021	82.134
6	-34.606	-23.045	-128.856	135.398
7	-23.941	-22.126	-69.659	76.909
8	-8.160	-29.756	-58.540	66.173
9	4.974	-9.902	-58.362	59.404
10	-13.442	-22.678	-111.956	115.018

11	2.657	8.085	-79.237	79.692
12	-5.656	-55.090	-78.847	96.353
13	-0.133	-22.328	-55.287	59.625
14	-0.271	-15.369	-57.155	59.186
15	-0.391	-38.030	-50.990	63.611
16	-0.385	-18.466	-70.014	72.410
17	-0.460	-17.378	-84.146	85.923
18	-33.709	-8.637	-68.741	77.047
19	-0.188	-9.070	-38.626	39.677
22	-0.263	-9.359	-45.955	46.899
23	-18.564	-9.874	-93.703	96.033
24	-13.498	-8.908	-57.182	59.425
25	22.315	-25.402	-38.826	51.485
26	-20.541	9.095	-38.498	44.573
27	-2.753	-9.620	-77.601	78.244
28	24.016	18.754	-46.290	55.419
29	-22.135	-41.962	-45.645	65.835
30	2.670	-9.178	-26.105	27.800
31	-0.085	-4.024	-18.044	18.487
32	-0.273	-13.910	-53.724	55.496
33	-0.127	-3.605	-22.077	22.370
34	-0.374	-15.489	-64.572	66.404
35	0.000	0.000	0.000	0.000
36	0.000	1.028	0.000	1.028
37	-0.772	-82.385	0.000	82.389
38	-0.493	1.305	-90.557	90.568
39	-0.261	-20.227	-58.967	62.340
40	-0.278	-24.768	-57.675	62.769
41	-0.386	-22.365	-77.669	80.826
42	-0.395	-22.105	-80.274	83.262
43	-0.171	-8.058	-34.833	35.753
44	-0.206	-10.091	-42.276	43.464
45	-0.241	-8.211	-41.570	42.373
46	-0.286	-10.504	-50.208	51.296
47	3.743	-8.269	-58.354	59.056
48	-6.496	-60.146	-78.813	99.354
49	-23.556	12.185	-38.474	46.729
50	-23.289	-46.761	-45.611	69.349
51	-1.169	-22.347	-59.372	63.449
52	0.641	-22.338	-57.481	61.673
53	-0.534	-23.286	-58.422	62.894
54	0.006	-21.398	-58.432	62.227
55	-0.434	-22.368	-81.494	84.509
56	-0.338	-22.420	-76.549	79.765
57	0.144	-19.924	-78.997	81.471
58	-0.916	-24.863	-79.046	82.869
59	-0.602	-9.083	-39.803	40.830
60	0.225	-9.056	-37.449	38.529
61	1.295	-10.249	-38.618	39.976
62	-1.671	-7.890	-38.634	39.467
63	0.177	-9.346	-48.393	49.287
64	-0.703	-9.373	-43.517	44.520
65	1.486	-6.926	-45.944	46.487
66	-2.012	-11.792	-45.965	47.496
67	-51.500	-20.064	-77.258	94.992
68	-37.583	-26.624	-128.903	136.884
69	-37.620	-6.118	-68.757	78.615
70	-22.760	-13.279	-93.680	97.316
71	0.502	-22.328	-54.198	58.620
73	-2.730	-23.288	-54.264	59.113
76	-0.591	-22.332	-57.607	61.787
78	-12.057	-23.373	-57.635	63.351
81	0.052	-21.985	-55.284	59.495
82	3.058	-9.165	-26.537	28.241
84	-2.651	-21.979	-26.548	34.567
87	1.936	-9.197	-27.159	28.739
89	-11.964	-22.054	-27.137	36.959
92	2.970	-9.110	-26.105	27.808
93	-2.659	-28.674	-36.064	46.151
95	-12.019	-28.759	-41.172	51.640
1000	5.296	-8.262	-59.192	60.000
1001	-6.362	-60.164	-81.543	101.535
1002	-24.174	12.193	-40.137	48.415
1003	-25.248	-46.786	-48.139	71.720
1004	2.190	-8.277	-57.505	58.139
1005	-6.630	-60.127	-76.083	97.200
1006	-22.939	12.177	-36.811	45.050
1007	-21.329	-46.735	-43.072	67.039
1008	-6.632	-60.089	-76.057	97.156
1009	2.229	-8.684	-57.330	58.027

1010	-21.380	-46.225	-43.299	66.848
1011	-22.962	12.021	-37.289	45.411

Load Combination #25: LC-FLIGHT-FORWARD-X-3P0-CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200-V125-PX-DATUM
= (SW1) + (FLIGHT KEEL_MASS_CORRECTION) + (FLIGHT ENVELOPE_NET_521P63KG) + (MASS_MAIN_PROPULSION) + (MASS_MAIN HV HARNESS) + (MASS_KEEL_VECTOR AND HARNESS) + (MASS_AVIONICS_REAR) + (MASS_TANK_STRUCTURE) + (MASS BALLAST NOMINAL_40KG) + (MASS SAFETY_REAR) + (MASS_FIRST_FLIGHT PAYLOAD_REAR) + (MASS STRUCTURAL_PROXY_RECONCILIATION) + (MASS_BATTERY_OVERHEAD_FIXED_REAR) + (MASS_BATTERY_FORWARD_100KG) + (CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200) + (V124_GONDOLA_UNRESOLVED_MASS_ALLOWANCE) + (V118_PX_FRONT_PAIRED_BALANCE)

Zero Factor Load Groups in this Combination:

G_CENTRAL_EQUIV
G_NACELLE
G_FRONT_PROP_RESERVE
G_TAIL_VECTOR_RESERVE
FLIGHT_ENVELOPE_NET
FLIGHT_GONDOLA_TRIM
G_TANK_STRUCTURE
TRIM_RELIEF_TANK_STRUCTURE
BALLAST_NOMINAL_40KG
TRIM_RELIEF_BALLAST_NOMINAL
BALLAST_MAX_120KG
TRIM_RELIEF_BALLAST_MAX
G_BATTERY_REAR_100KG
TRIM_RELIEF_BATTERY_REAR
MASS_BATTERY_AND_OVERHEAD_REAR
THRUST_FWD_NEG_X
THRUST_VEC_45_FWD_DOWN_NEG_X
MASS_BATTERY_REAR_100KG
MASS_BATTERY_TARGET_100KG
MASS_BATTERY_RAIL_REAR_100KG
THRUST_VEC_45_FWD_DOWN_NEG_X_OFFSET_Z-0P200
THRUST_VEC_45_FWD_UP_NEG_X_OFFSET_Z-0P200
CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200
CTRL_25PCT_45DEG_FWD_DOWN_OFFSET_Z-0P200
CTRL_25PCT_45DEG_FWD_UP_OFFSET_Z-0P200
DOWN_SYM
FWD_SYM
LG
MASS_BATTERY_RAIL_TARGET
ROLL_DIFF
TAIL_VECTOR_DOWN_400N_EACH
TAIL_VECTOR_UP_400N_EACH
UP_SYM
VEC_45_FWD_DOWN

NODE REACTIONS (kN, kN-m)

Support ID	Node	X Force	Y Force	Z Force	X Moment	Y Moment	Z Moment
1	35	0.005	0.000	-0.003	0.000	0.000	0.000
2	36	-0.005	0.000	-0.331	0.000	0.000	0.000
3	37	0.000	0.000	-0.252	0.000	0.000	0.000

MEMBER END FORCES AND MOMENTS (kN, kN-m)

Member	Node	Axial Force	Y Shear	Z Shear	X Torsion	Y Moment	Z Moment
1	1	-0.023	1.095	0.298	0.215	-0.104	-0.017
	7	-0.023	1.095	0.283	0.215	0.187	1.077
2	52	-0.526	-0.032	0.213	0.000	-0.117	0.026
	71	-0.526	-0.032	0.200	0.000	0.195	-0.023
3	71	-0.527	0.019	-0.476	0.001	0.196	-0.018
	13	-0.527	0.019	-0.478	0.001	0.058	-0.012
5	55	2.529	0.464	0.052	-0.208	0.004	-0.003
	10	2.529	0.464	0.019	-0.208	0.086	1.065
6	7	2.218	-0.460	-0.112	0.215	0.080	1.058
	51	2.218	-0.460	-0.145	0.215	-0.216	-0.001

7	10	-0.027	-1.002	-0.203	-0.209	0.147	1.036
	6	-0.027	-1.002	-0.217	-0.209	-0.064	0.033
8	53	0.717	0.008	0.005	-0.000	-0.011	-0.020
	8	0.698	0.008	0.005	-0.000	-0.000	0.000
9	54	0.611	-0.044	0.001	-0.001	-0.003	0.070
	9	0.630	-0.044	0.001	-0.001	-0.001	-0.031
10	57	1.179	0.016	0.001	-0.000	-0.000	-0.037
	11	1.160	0.016	0.001	-0.000	0.002	0.001
11	58	1.004	0.040	-0.040	-0.027	0.023	-0.045
	12	1.023	0.040	-0.040	-0.027	-0.068	0.047
12	7	-0.422	0.000	0.000	-0.000	0.000	0.000
	8	-0.422	0.000	0.000	-0.000	0.000	0.000
13	7	-0.630	0.000	0.000	0.000	0.000	0.000
	1000	-0.630	0.000	0.000	0.000	0.000	0.000
14	10	-0.724	0.000	0.000	0.000	0.000	0.000
	11	-0.724	0.000	0.000	0.000	0.000	0.000
15	10	-0.789	0.000	0.000	-0.000	0.000	0.000
	1001	-0.789	0.000	0.000	-0.000	0.000	0.000
16	13	-0.161	0.013	0.365	0.001	0.081	-0.001
	76	-0.161	0.013	0.362	0.001	0.186	0.003
17	8	-0.253	0.000	0.000	0.000	0.000	0.000
	81	-0.253	0.000	0.000	0.000	0.000	0.000
18	1004	-0.507	0.000	0.000	0.000	0.000	0.000
	73	-0.507	0.000	0.000	0.000	0.000	0.000
19	11	-0.833	0.000	0.000	-0.000	0.000	0.000
	81	-0.833	0.000	0.000	-0.000	0.000	0.000
20	1005	-0.513	0.000	0.000	-0.000	0.000	0.000
	78	-0.513	0.000	0.000	-0.000	0.000	0.000
24	7	-2.162	0.000	0.000	0.000	0.000	0.000
	15	-2.162	0.000	0.000	0.000	0.000	0.000
25	2	-0.835	1.209	0.012	-0.192	1.153	-3.677
	39	-0.835	1.209	0.027	-0.192	1.162	-3.072
26	2	1.736	1.500	0.500	-0.001	-1.504	-3.812
	40	1.736	1.500	0.484	-0.001	-1.258	-3.062
27	5	-0.835	-7.150	-4.643	-0.244	1.172	5.071
	41	-0.835	-7.150	-4.628	-0.244	-1.146	1.496
28	5	1.754	4.409	-5.254	0.013	1.126	2.341
	42	1.754	4.409	-5.269	0.013	-1.504	4.545
29	10	-2.165	0.000	0.000	-0.000	0.000	0.000
	17	-2.165	0.000	0.000	-0.000	0.000	0.000
35	12	-0.304	0.000	0.000	-0.000	0.000	0.000
	17	-0.304	0.000	0.000	-0.000	0.000	0.000
36	17	-0.005	0.000	0.000	0.000	0.000	0.000
	11	-0.005	0.000	0.000	0.000	0.000	0.000
37	15	0.000	0.000	0.000	0.000	0.000	0.000
	9	0.000	0.000	0.000	0.000	0.000	0.000
40	8	-0.287	0.000	0.000	-0.000	0.000	0.000
	15	-0.287	0.000	0.000	-0.000	0.000	0.000
41	18	-0.018	1.058	0.203	0.213	-0.056	0.002
	24	-0.018	1.058	0.188	0.213	0.139	1.061
42	60	2.197	0.056	0.236	0.000	-0.187	-0.075
	82	2.197	0.056	0.224	0.000	0.160	0.010
43	82	2.202	0.047	-0.290	0.001	0.159	0.011
	30	2.202	0.047	-0.293	0.001	0.074	0.025
45	63	2.191	0.541	0.158	-0.211	-0.239	-0.182
	27	2.191	0.541	0.125	-0.211	0.086	1.063
46	24	2.504	-0.542	-0.025	0.213	0.085	1.062
	59	2.504	-0.542	-0.058	0.213	-0.011	-0.185
47	27	-0.021	-1.032	-0.165	-0.210	0.128	1.049
	23	-0.021	-1.032	-0.179	-0.210	-0.044	0.017
48	61	1.033	-0.013	-0.002	0.000	0.005	0.030
	25	1.013	-0.013	-0.002	0.000	-0.000	0.000
49	62	0.902	-0.037	0.036	-0.027	-0.017	0.043
	26	0.921	-0.037	0.036	-0.027	0.064	-0.042
50	65	0.557	-0.011	-0.000	0.000	0.000	-0.026
	28	0.538	-0.011	-0.000	0.000	0.000	0.000
51	66	0.536	0.042	0.003	0.000	-0.007	-0.069
	29	0.555	0.042	0.003	0.000	-0.001	0.027
52	24	-0.634	0.000	0.000	-0.000	0.000	0.000
	25	-0.634	0.000	0.000	-0.000	0.000	0.000
53	24	-0.713	0.000	0.000	0.000	0.000	0.000
	1002	-0.713	0.000	0.000	0.000	0.000	0.000
54	27	-0.328	0.000	0.000	0.000	0.000	0.000
	28	-0.328	0.000	0.000	0.000	0.000	0.000
55	27	-0.566	0.000	0.000	-0.000	0.000	0.000
	1003	-0.566	0.000	0.000	-0.000	0.000	0.000
56	30	1.832	0.033	0.383	0.001	0.055	0.030
	87	1.832	0.033	0.380	0.001	0.166	0.040

57	25	-0.728	0.000	0.000	-0.000	0.000	0.000
	92	-0.728	0.000	0.000	-0.000	0.000	0.000
58	1006	-0.458	0.000	0.000	-0.000	0.000	0.000
	84	-0.458	0.000	0.000	-0.000	0.000	0.000
59	28	-0.142	0.000	0.000	-0.000	0.000	0.000
	92	-0.142	0.000	0.000	-0.000	0.000	0.000
60	1007	-0.456	0.000	0.000	0.000	0.000	0.000
	89	-0.456	0.000	0.000	0.000	0.000	0.000
63	24	0.000	0.000	0.000	0.000	0.000	0.000
	31	0.000	0.000	0.000	0.000	0.000	0.000
65	19	0.207	-0.476	-0.518	0.001	0.624	0.120
	43	0.207	-0.476	-0.503	0.001	0.369	-0.118
66	19	0.772	0.825	-0.356	-0.191	-0.260	-0.300
	44	0.772	0.825	-0.372	-0.191	-0.442	0.112
67	22	0.189	-6.054	-1.454	0.001	1.022	1.510
	45	0.189	-6.054	-1.439	0.001	0.298	-1.517
68	22	0.772	5.579	-1.247	-0.254	-0.121	-1.214
	46	0.772	5.579	-1.263	-0.254	-0.749	1.576
70	27	0.000	0.000	0.000	0.000	0.000	0.000
	33	0.000	0.000	0.000	0.000	0.000	0.000
73	28	-0.277	0.000	0.000	0.000	0.000	0.000
	33	-0.277	0.000	0.000	0.000	0.000	0.000
74	33	0.000	0.000	0.000	0.000	0.000	0.000
	29	0.000	0.000	0.000	0.000	0.000	0.000
78	26	-0.284	0.000	0.000	-0.000	0.000	0.000
	31	-0.284	0.000	0.000	-0.000	0.000	0.000
79	31	-0.002	0.000	0.000	0.000	0.000	0.000
	25	-0.002	0.000	0.000	0.000	0.000	0.000
81	14	-0.839	1.200	-0.218	-0.189	0.799	-0.528
	32	-0.839	1.200	-0.202	-0.189	0.588	0.672
82	16	-0.838	-1.931	-0.032	-0.255	0.190	0.892
	34	-0.838	-1.931	-0.017	-0.255	0.166	-1.039
83	31	0.005	-0.016	-0.017	-0.000	-0.005	-0.016
	35	0.005	-0.016	0.014	-0.000	-0.008	-0.016
84	33	-0.006	-0.227	-0.298	0.000	0.524	0.227
	36	-0.006	-0.227	-0.267	0.000	-0.042	-0.227
85	15	-0.001	-0.004	0.254	-0.002	-1.233	0.011
	37	-0.001	-0.004	0.161	-0.002	0.012	-0.011
86	17	-0.000	0.023	-0.032	-0.001	0.379	-0.070
	38	-0.000	0.023	-0.125	-0.001	-0.091	0.070
87	1008	-0.199	0.000	0.000	-0.000	0.000	0.000
	95	-0.199	0.000	0.000	-0.000	0.000	0.000
88	1009	0.000	0.000	0.000	0.000	0.000	0.000
	93	0.000	0.000	0.000	0.000	0.000	0.000
89	8	-0.235	0.000	0.000	0.000	0.000	0.000
	28	-0.235	0.000	0.000	0.000	0.000	0.000
90	25	0.000	0.000	0.000	0.000	0.000	0.000
	11	0.000	0.000	0.000	0.000	0.000	0.000
91	39	-0.837	1.245	-0.196	-0.191	1.118	-3.053
	14	-0.837	1.245	-0.165	-0.191	0.757	-0.562
92	40	1.734	1.517	0.112	-0.003	-1.387	-3.045
	15	1.734	1.517	0.082	-0.003	-1.193	-0.011
93	41	-0.837	-1.401	-0.025	-0.249	0.089	3.158
	16	-0.837	-1.401	0.005	-0.249	0.069	0.356
94	42	1.751	-1.345	-0.018	0.005	0.112	2.876
	17	1.751	-1.345	-0.049	0.005	0.045	0.185
95	43	0.207	-0.016	-0.247	0.000	0.443	0.017
	31	0.207	-0.016	-0.217	0.000	-0.021	-0.016
96	44	0.772	0.367	-0.117	-0.190	-0.366	-0.021
	32	0.772	0.367	-0.148	-0.190	-0.630	0.713
97	45	0.189	-0.204	-0.134	0.001	0.677	0.202
	33	0.189	-0.204	-0.103	0.001	0.440	-0.205
98	46	0.772	-0.204	0.069	-0.256	-0.366	-0.096
	34	0.772	-0.204	0.038	-0.256	-0.258	-0.503
99	9	0.630	-0.044	-0.006	-0.001	0.001	-0.031
	47	0.633	-0.044	-0.006	-0.001	-0.001	-0.048
100	12	0.807	0.041	0.154	-0.026	-0.064	0.047
	48	0.811	0.041	0.154	-0.026	-0.007	0.062
101	26	0.720	0.001	-0.171	-0.027	0.065	-0.049
	49	0.723	0.001	-0.171	-0.027	0.002	-0.049
102	29	0.555	0.034	0.012	0.000	-0.003	0.029
	50	0.558	0.034	0.012	0.000	0.002	0.041
155	7	0.000	0.000	0.000	0.000	0.000	0.000
	14	0.000	0.000	0.000	0.000	0.000	0.000
158	24	-2.274	0.000	0.000	0.000	0.000	0.000
	32	-2.274	0.000	0.000	0.000	0.000	0.000
161	27	-2.273	0.000	0.000	-0.000	0.000	0.000
	34	-2.273	0.000	0.000	-0.000	0.000	0.000

166	10	0.000	0.000	0.000	0.000	0.000	0.000
	16	0.000	0.000	0.000	0.000	0.000	0.000
174	71	-0.505	0.001	0.001	-0.001	-0.001	-0.000
	73	-0.502	0.001	0.001	-0.001	0.001	0.001
177	76	-0.523	0.003	-0.000	-0.001	0.001	-0.003
	78	-0.519	0.003	-0.000	-0.001	-0.000	0.002
181	82	-0.495	-0.003	0.000	-0.001	-0.001	0.003
	84	-0.492	-0.003	0.000	-0.001	0.000	-0.002
184	87	-0.481	-0.001	-0.001	-0.001	0.001	0.001
	89	-0.477	-0.001	-0.001	-0.001	-0.001	-0.001
187	73	-0.021	0.003	-0.002	-0.000	0.001	-0.005
	93	-0.021	0.003	0.003	-0.000	0.002	0.004
189	93	0.026	0.004	-0.003	-0.000	0.002	-0.005
	84	0.026	0.004	0.002	-0.000	0.000	0.006
192	78	0.024	0.003	-0.002	-0.000	0.001	-0.005
	95	0.024	0.003	0.003	-0.000	0.002	0.004
194	95	-0.026	0.004	-0.003	-0.000	0.002	-0.005
	89	-0.026	0.004	0.002	-0.000	0.001	0.006
197	73	-0.443	0.018	-0.007	0.001	0.002	-0.005
	78	-0.443	0.018	-0.008	0.001	-0.003	0.005
198	93	-0.088	0.034	0.001	0.000	-0.000	-0.010
	95	-0.088	0.034	-0.000	0.000	-0.000	0.010
199	84	-0.397	0.021	0.007	0.000	-0.002	-0.006
	89	-0.397	0.021	0.006	0.000	0.001	0.006
203	76	-0.168	0.052	-0.266	0.000	0.190	0.013
	56	-0.168	0.052	-0.278	0.000	-0.220	0.091
207	87	1.833	-0.037	-0.159	0.000	0.166	0.046
	64	1.833	-0.037	-0.172	0.000	-0.084	-0.009
213	71	-0.104	0.000	0.000	0.000	0.000	0.000
	93	-0.104	0.000	0.000	0.000	0.000	0.000
214	93	0.000	0.000	0.000	0.000	0.000	0.000
	82	0.000	0.000	0.000	0.000	0.000	0.000
217	76	0.000	0.000	0.000	0.000	0.000	0.000
	95	0.000	0.000	0.000	0.000	0.000	0.000
218	95	-0.103	0.000	0.000	0.000	0.000	0.000
	87	-0.103	0.000	0.000	0.000	0.000	0.000
225	95	0.000	0.000	0.000	0.000	0.000	0.000
	1010	0.000	0.000	0.000	0.000	0.000	0.000
226	93	-0.195	0.000	0.000	-0.000	0.000	0.000
	1011	-0.195	0.000	0.000	-0.000	0.000	0.000
1000	47	-0.396	0.014	-0.496	0.000	0.099	-0.002
	1000	-0.396	0.014	-0.496	0.000	-0.000	0.001
1001	48	-0.495	-0.045	-0.622	0.000	0.124	0.005
	1001	-0.495	-0.045	-0.622	0.000	-0.001	-0.004
1002	49	-0.447	0.006	-0.128	0.000	0.068	-0.001
	1002	-0.447	0.006	-0.128	0.000	0.043	0.001
1003	50	-0.355	-0.400	-0.368	-0.000	0.081	0.040
	1003	-0.355	-0.400	-0.368	-0.000	0.007	-0.040
1004	47	-0.441	0.014	-0.251	0.000	0.050	-0.001
	1004	-0.441	0.014	-0.251	0.000	0.000	0.001
1005	48	-0.444	-0.037	-0.251	0.000	0.051	0.004
	1005	-0.444	-0.037	-0.251	0.000	0.001	-0.004
1006	49	-0.396	-0.021	-0.657	0.000	0.089	0.002
	1006	-0.396	-0.021	-0.657	0.000	-0.043	-0.002
1007	50	-0.396	-0.382	-0.302	-0.000	0.053	0.038
	1007	-0.396	-0.382	-0.302	-0.000	-0.007	-0.038
1008	48	-0.130	-0.536	0.128	0.000	-0.018	0.068
	1008	-0.130	-0.536	0.128	0.000	0.008	-0.039
1009	47	-0.002	0.047	0.015	0.000	-0.002	-0.005
	1009	-0.002	0.047	0.015	0.000	0.002	0.005
1010	50	-0.001	-0.393	-0.096	0.000	0.010	0.039
	1010	-0.001	-0.393	-0.096	0.000	-0.010	-0.039
1011	49	-0.128	-0.046	-0.465	-0.000	0.052	-0.009
	1011	-0.128	-0.046	-0.465	-0.000	-0.041	-0.018

NODAL DISPLACEMENTS (mm)

Node	X		Y		Z		Total
	Translation	Translation	Translation	Translation	Translation	Translation	
1	-36.938	16.363		11.877		42.109	
2	-0.041	15.972		24.746		29.453	
5	-0.153	15.828		55.643		57.851	
6	-47.117	15.127		93.547		105.830	
7	-15.021	16.117		15.356		26.855	
8	1.129	8.236		24.691		26.053	
9	-0.279	27.776		24.812		37.245	
10	-22.338	15.505		81.607		86.018	
11	-11.452	-13.029		55.384		58.037	

12	9.818	37.987	55.819	68.229
13	1.375	15.987	29.890	33.924
14	-0.065	13.996	22.705	26.672
15	-0.109	9.012	22.410	24.155
16	-0.148	10.613	44.271	45.525
17	-0.276	29.867	66.962	73.322
18	-20.481	7.607	12.926	25.385
19	-0.036	7.377	14.388	16.169
22	-0.091	7.118	27.103	28.022
23	-30.720	6.747	51.005	59.923
24	-4.033	7.472	12.315	14.959
25	-7.804	7.777	14.314	18.063
26	8.894	12.926	14.465	21.340
27	-11.359	6.958	44.115	46.082
28	-13.298	-11.253	26.971	32.107
29	12.212	22.129	27.208	37.136
30	1.068	7.267	11.642	13.766
31	-0.014	3.278	6.544	7.319
32	-0.073	11.769	20.828	23.923
33	-0.042	4.149	12.832	13.486
34	-0.149	9.922	39.600	40.825
35	0.000	0.000	0.000	0.000
36	0.000	1.783	0.000	1.783
37	-0.196	-14.212	0.000	14.213
38	-0.491	70.094	97.959	120.455
39	-0.043	16.339	24.667	29.588
40	-0.047	15.289	24.709	29.056
41	-0.147	14.043	53.378	55.195
42	-0.169	17.925	57.902	60.614
43	-0.032	6.557	12.917	14.486
44	-0.042	8.191	15.819	17.814
45	-0.083	6.523	24.440	25.295
46	-0.101	7.723	29.716	30.703
47	-0.359	29.518	24.823	38.570
48	10.025	41.924	55.848	70.549
49	11.469	13.181	14.481	22.693
50	13.942	24.281	27.224	39.053
51	-0.250	15.972	24.307	29.086
52	0.169	15.972	25.185	29.824
53	-0.051	15.533	24.746	29.217
54	-0.030	16.411	24.746	29.694
55	-0.938	15.820	57.613	59.753
56	0.633	15.835	53.674	55.964
57	-1.050	13.856	55.636	57.345
58	0.744	17.799	55.651	58.433
59	0.293	7.377	14.145	15.956
60	-0.365	7.377	14.630	16.389
61	-0.615	7.134	14.388	16.071
62	0.543	7.620	14.388	16.290
63	-0.340	7.114	28.811	29.678
64	0.158	7.122	25.394	26.375
65	-1.142	5.409	27.097	27.655
66	0.960	8.827	27.109	28.526
67	-39.376	17.082	11.878	44.534
68	-48.602	17.512	93.552	106.868
69	-22.327	7.473	12.925	26.859
70	-32.073	8.140	51.004	60.798
71	1.060	15.991	27.673	31.979
73	4.760	29.134	27.594	40.409
76	1.725	15.974	32.712	36.444
78	9.302	29.127	32.639	44.723
81	1.253	15.477	29.888	33.681
82	0.651	7.284	11.269	13.435
84	4.803	15.789	11.168	19.927
87	1.337	7.251	12.550	14.556
89	9.353	15.799	12.464	22.191
92	0.853	7.134	11.642	13.680
93	4.761	24.763	21.628	33.222
95	9.327	24.746	24.247	35.879
1000	-0.596	29.520	24.014	38.058
1001	10.442	41.911	58.147	72.434
1002	10.580	13.183	14.488	22.262
1003	13.685	24.277	28.500	39.861
1004	-0.123	29.517	25.676	39.122
1005	9.607	41.937	53.601	68.732
1006	12.358	13.180	14.521	23.180
1007	14.199	24.285	25.988	38.298
1008	9.610	42.048	53.655	68.842
1009	-0.131	29.577	25.644	39.147
1010	14.190	24.350	26.259	38.520

SKYCIV FREE TRIAL EDITION

SKYCIV FREE TRIAL EDITION

Member Results

Load Combination #24: LC-FLIGHT-FORWARD-X-3P0-CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200-V125-PX-DATUM
= (SW1) + (FLIGHT_KEEL_MASS_CORRECTION) + (FLIGHT_ENVELOPE_NET_521P63KG) + (MASS_MAIN_PROPULSION) + (MASS_MAIN_HV_HARNESS) + (MASS_KEEL_VECTOR_AND_HARNESS) + (MASS_AVIONICS_REAR) + (MASS_TANK_STRUCTURE) + (MASS_BALLAST_NOMINAL_40KG) + (MASS_SAFETY_REAR) + (MASS_FIRST_FLIGHT_PAYLOAD_REAR) + (MASS_STRUCTURAL_PROXY_RECONCILIATION) + (MASS_BATTERY_OVERHEAD_FIXED_REAR) + (MASS_BATTERY_FORWARD_100KG) + (CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200) + (V124_GONDOLA_UNRESOLVED_MASS_ALLOWANCE) + (V118_PX_FRONT_PAIRED_BALANCE)

Zero Factor Load Groups in this Combination:

G_CENTRAL_EQUIV
G_NACELLE
G_FRONT_PROP_RESERVE
G_TAIL_VECTOR_RESERVE
FLIGHT_ENVELOPE_NET
FLIGHT_GONDOLA_TRIM
G_TANK_STRUCTURE
TRIM_RELIEF_TANK_STRUCTURE
BALLAST_NOMINAL_40KG
TRIM_RELIEF_BALLAST_NOMINAL
BALLAST_MAX_120KG
TRIM_RELIEF_BALLAST_MAX
G_BATTERY_REAR_100KG
TRIM_RELIEF_BATTERY_REAR
MASS_BATTERY_AND_OVERHEAD_REAR
THRUST_FWD_NEG_X
THRUST_VEC_45_FWD_DOWN_NEG_X
MASS_BATTERY_REAR_100KG
MASS_BATTERY_TARGET_100KG
MASS_BATTERY_RAIL_REAR_100KG
THRUST_VEC_45_FWD_DOWN_NEG_X_OFFSET_Z-0P200
THRUST_VEC_45_FWD_UP_NEG_X_OFFSET_Z-0P200
CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200
CTRL_25PCT_45DEG_FWD_DOWN_OFFSET_Z-0P200
CTRL_25PCT_45DEG_FWD_UP_OFFSET_Z-0P200
DOWN_SYM
FWD_SYM
LG
MASS_BATTERY_RAIL_TARGET
ROLL_DIFF
TAIL_VECTOR_DOWN_400N_EACH
TAIL_VECTOR_UP_400N_EACH
UP_SYM
VEC_45_FWD_DOWN

INTERNAL MEMBER FORCES AND MOMENTS (m, kN, kN-m)

 = Maximum value of a result in the member/plate.
 = Minimum value of a result in the member/plate.

Member	Section	Station Location	Axial Force	Y Shear	Z Shear	X Torsion	Y Moment	Z Moment
1	3	0.000	-0.029	1.124	-0.077	0.212	-0.104	-0.033
1	3	0.125	-0.029	1.124	-0.079	0.212	-0.113	0.107
1	3	0.250	-0.029	1.124	-0.081	0.212	-0.123	0.248
1	3	0.375	-0.029	1.124	-0.082	0.212	-0.133	0.388
1	3	0.500	-0.029	1.124	-0.084	0.212	-0.144	0.529
1	3	0.625	-0.029	1.124	-0.086	0.212	-0.155	0.669
1	3	0.750	-0.029	1.124	-0.088	0.212	-0.165	0.810
1	3	0.875	-0.029	1.124	-0.090	0.212	-0.176	0.950
1	3	1.000	-0.029	1.124	-0.091	0.212	-0.188	1.091
2	1	0.000	-0.329	-0.096	-0.064	0.000	-0.018	0.142
2	1	0.189	-0.329	-0.096	-0.066	0.000	-0.030	0.124
2	1	0.378	-0.329	-0.096	-0.067	0.000	-0.043	0.106
2	1	0.566	-0.329	-0.096	-0.069	0.000	-0.056	0.088
2	1	0.755	-0.329	-0.096	-0.071	0.000	-0.069	0.069
2	1	0.944	-0.329	-0.096	-0.072	0.000	-0.082	0.051

2	1	1.133	-0.329	-0.096	-0.074	0.000	-0.096	0.033
2	1	1.321	-0.329	-0.096	-0.075	0.000	-0.110	0.015
2	1	1.510	-0.329	-0.096	-0.077	0.000	-0.124	-0.003
3	1	0.000	-0.324	-0.122	-0.479	-0.001	-0.125	-0.001
3	1	0.036	-0.324	-0.122	-0.479	-0.001	-0.142	-0.006
3	1	0.072	-0.324	-0.122	-0.479	-0.001	-0.160	-0.010
3	1	0.109	-0.324	-0.122	-0.479	-0.001	-0.177	-0.015
3	1	0.145	-0.324	-0.122	-0.480	-0.001	-0.194	-0.019
3	1	0.181	-0.324	-0.122	-0.480	-0.001	-0.212	-0.024
3	1	0.217	-0.324	-0.122	-0.480	-0.001	-0.229	-0.028
3	1	0.254	-0.324	-0.122	-0.481	-0.001	-0.247	-0.032
3	1	0.290	-0.324	-0.122	-0.481	-0.001	-0.264	-0.037
5	3	0.000	1.997	0.449	-0.135	-0.216	-0.051	0.008
5	3	0.287	1.997	0.449	-0.139	-0.216	0.012	0.137
5	3	0.575	1.997	0.449	-0.143	-0.216	-0.029	0.266
5	3	0.863	1.997	0.449	-0.147	-0.216	-0.070	0.395
5	3	1.150	1.997	0.449	-0.151	-0.216	-0.113	0.524
5	3	1.438	1.997	0.449	-0.155	-0.216	-0.157	0.653
5	3	1.725	1.997	0.449	-0.159	-0.216	-0.202	0.782
5	3	2.012	1.997	0.449	-0.163	-0.216	-0.249	0.911
5	3	2.300	1.997	0.449	-0.168	-0.216	-0.296	1.040
6	3	0.000	2.370	-0.460	0.215	0.212	-0.295	1.058
6	3	0.287	2.370	-0.460	0.211	0.212	-0.234	0.925
6	3	0.575	2.370	-0.460	0.207	0.212	-0.173	0.793
6	3	0.863	2.370	-0.460	0.203	0.212	-0.114	0.661
6	3	1.150	2.370	-0.460	0.199	0.212	-0.057	0.529
6	3	1.438	2.370	-0.460	0.195	0.212	0.000	0.396
6	3	1.725	2.370	-0.460	0.191	0.212	0.055	0.264
6	3	2.012	2.370	-0.460	0.187	0.212	0.110	0.132
6	3	2.300	2.370	-0.460	0.182	0.212	0.163	-0.000
7	3	0.000	-0.028	-1.260	0.046	-0.216	-0.165	1.156
7	3	0.125	-0.028	-1.260	0.045	-0.216	-0.159	0.999
7	3	0.250	-0.028	-1.260	0.043	-0.216	-0.153	0.841
7	3	0.375	-0.028	-1.260	0.041	-0.216	-0.148	0.684
7	3	0.500	-0.028	-1.260	0.039	-0.216	-0.143	0.526
7	3	0.625	-0.028	-1.260	0.037	-0.216	-0.138	0.369
7	3	0.750	-0.028	-1.260	0.036	-0.216	-0.134	0.211
7	3	0.875	-0.028	-1.260	0.034	-0.216	-0.129	0.054
7	3	1.000	-0.028	-1.260	0.032	-0.216	-0.125	-0.104
8	1	0.000	1.582	-0.017	-0.018	0.000	0.040	0.038
8	1	0.287	1.580	-0.017	-0.018	0.000	0.035	0.034
8	1	0.575	1.577	-0.017	-0.018	0.000	0.030	0.029
8	1	0.863	1.575	-0.017	-0.018	0.000	0.025	0.024
8	1	1.150	1.573	-0.017	-0.018	0.000	0.020	0.019
8	1	1.438	1.570	-0.017	-0.018	0.000	0.015	0.014
8	1	1.725	1.568	-0.017	-0.018	0.000	0.010	0.009
8	1	2.012	1.565	-0.017	-0.018	0.000	0.005	0.004
8	1	2.300	1.563	-0.017	-0.018	0.000	-0.001	-0.001
9	1	0.000	0.582	-0.011	-0.091	0.054	0.081	0.012
9	1	0.287	0.584	-0.011	-0.091	0.054	0.055	0.009
9	1	0.575	0.587	-0.011	-0.091	0.054	0.028	0.006
9	1	0.863	0.589	-0.011	-0.091	0.054	0.002	0.003
9	1	1.150	0.591	-0.011	-0.091	0.054	-0.024	-0.001
9	1	1.438	0.594	-0.011	-0.091	0.054	-0.050	-0.004
9	1	1.725	0.596	-0.011	-0.091	0.054	-0.076	-0.007
9	1	2.012	0.599	-0.011	-0.091	0.054	-0.102	-0.011
9	1	2.300	0.601	-0.011	-0.091	0.054	-0.128	-0.014
10	1	0.000	1.122	0.002	-0.013	-0.000	0.030	-0.004
10	1	0.287	1.119	0.002	-0.013	-0.000	0.026	-0.003
10	1	0.575	1.117	0.002	-0.013	-0.000	0.022	-0.003
10	1	0.863	1.114	0.002	-0.013	-0.000	0.019	-0.002
10	1	1.150	1.112	0.002	-0.013	-0.000	0.015	-0.002
10	1	1.438	1.110	0.002	-0.013	-0.000	0.011	-0.001
10	1	1.725	1.107	0.002	-0.013	-0.000	0.007	-0.001
10	1	2.012	1.105	0.002	-0.013	-0.000	0.004	-0.000
10	1	2.300	1.102	0.002	-0.013	-0.000	-0.000	0.000
11	1	0.000	-0.086	0.005	-0.011	-0.004	0.015	-0.015
11	1	0.287	-0.084	0.005	-0.011	-0.004	0.012	-0.013
11	1	0.575	-0.081	0.005	-0.011	-0.004	0.009	-0.012
11	1	0.863	-0.079	0.005	-0.011	-0.004	0.006	-0.010
11	1	1.150	-0.077	0.005	-0.011	-0.004	0.003	-0.008
11	1	1.438	-0.074	0.005	-0.011	-0.004	-0.000	-0.007
11	1	1.725	-0.072	0.005	-0.011	-0.004	-0.004	-0.005
11	1	2.012	-0.069	0.005	-0.011	-0.004	-0.007	-0.004
11	1	2.300	-0.067	0.005	-0.011	-0.004	-0.010	-0.002
12	2	0.000	-0.982	0.000	0.000	-0.000	0.000	0.000
12	2	0.442	-0.982	0.000	0.000	-0.000	0.000	0.000
12	2	0.884	-0.982	0.000	0.000	-0.000	0.000	0.000
12	2	1.326	-0.982	0.000	0.000	-0.000	0.000	0.000
12	2	1.768	-0.982	0.000	0.000	-0.000	0.000	0.000

12	2	2.210	-0.982	0.000	0.000	-0.000	0.000	0.000
12	2	2.652	-0.982	0.000	0.000	-0.000	0.000	0.000
12	2	3.094	-0.982	0.000	0.000	-0.000	0.000	0.000
12	2	3.536	-0.982	0.000	0.000	-0.000	0.000	0.000
13	2	0.000	-0.246	0.000	0.000	0.000	0.000	0.000
13	2	0.460	-0.246	0.000	0.000	0.000	0.000	0.000
13	2	0.920	-0.246	0.000	0.000	0.000	0.000	0.000
13	2	1.379	-0.246	0.000	0.000	0.000	0.000	0.000
13	2	1.839	-0.246	0.000	0.000	0.000	0.000	0.000
13	2	2.299	-0.246	0.000	0.000	0.000	0.000	0.000
13	2	2.759	-0.246	0.000	0.000	0.000	0.000	0.000
13	2	3.219	-0.246	0.000	0.000	0.000	0.000	0.000
13	2	3.678	-0.246	0.000	0.000	0.000	0.000	0.000
14	2	0.000	-0.663	0.000	0.000	0.000	0.000	0.000
14	2	0.442	-0.663	0.000	0.000	0.000	0.000	0.000
14	2	0.884	-0.663	0.000	0.000	0.000	0.000	0.000
14	2	1.326	-0.663	0.000	0.000	0.000	0.000	0.000
14	2	1.768	-0.663	0.000	0.000	0.000	0.000	0.000
14	2	2.210	-0.663	0.000	0.000	0.000	0.000	0.000
14	2	2.652	-0.663	0.000	0.000	0.000	0.000	0.000
14	2	3.094	-0.663	0.000	0.000	0.000	0.000	0.000
14	2	3.536	-0.663	0.000	0.000	0.000	0.000	0.000
15	2	0.000	-0.010	0.000	0.000	-0.000	0.000	0.000
15	2	0.460	-0.010	0.000	0.000	-0.000	0.000	0.000
15	2	0.920	-0.010	0.000	0.000	-0.000	0.000	0.000
15	2	1.379	-0.010	0.000	0.000	-0.000	0.000	0.000
15	2	1.839	-0.010	0.000	0.000	-0.000	0.000	0.000
15	2	2.299	-0.010	0.000	0.000	-0.000	0.000	0.000
15	2	2.759	-0.010	0.000	0.000	-0.000	0.000	0.000
15	2	3.219	-0.010	0.000	0.000	-0.000	0.000	0.000
15	2	3.678	-0.010	0.000	0.000	-0.000	0.000	0.000
16	1	0.000	-0.788	-0.149	0.589	-0.001	-0.288	-0.025
16	1	0.036	-0.788	-0.149	0.589	-0.001	-0.267	-0.030
16	1	0.072	-0.788	-0.149	0.589	-0.001	-0.245	-0.036
16	1	0.109	-0.788	-0.149	0.588	-0.001	-0.224	-0.041
16	1	0.145	-0.788	-0.149	0.588	-0.001	-0.203	-0.047
16	1	0.181	-0.788	-0.149	0.588	-0.001	-0.181	-0.052
16	1	0.217	-0.788	-0.149	0.588	-0.001	-0.160	-0.057
16	1	0.254	-0.788	-0.149	0.587	-0.001	-0.139	-0.063
16	1	0.290	-0.788	-0.149	0.587	-0.001	-0.117	-0.068
17	2	0.000	-1.057	0.000	0.000	0.000	0.000	0.000
17	2	0.394	-1.057	0.000	0.000	0.000	0.000	0.000
17	2	0.789	-1.057	0.000	0.000	0.000	0.000	0.000
17	2	1.183	-1.057	0.000	0.000	0.000	0.000	0.000
17	2	1.578	-1.057	0.000	0.000	0.000	0.000	0.000
17	2	1.972	-1.057	0.000	0.000	0.000	0.000	0.000
17	2	2.367	-1.057	0.000	0.000	0.000	0.000	0.000
17	2	2.761	-1.057	0.000	0.000	0.000	0.000	0.000
17	2	3.156	-1.057	0.000	0.000	0.000	0.000	0.000
19	2	0.000	-0.333	0.000	0.000	0.000	0.000	0.000
19	2	0.394	-0.333	0.000	0.000	0.000	0.000	0.000
19	2	0.789	-0.333	0.000	0.000	0.000	0.000	0.000
19	2	1.183	-0.333	0.000	0.000	0.000	0.000	0.000
19	2	1.578	-0.333	0.000	0.000	0.000	0.000	0.000
19	2	1.972	-0.333	0.000	0.000	0.000	0.000	0.000
19	2	2.367	-0.333	0.000	0.000	0.000	0.000	0.000
19	2	2.761	-0.333	0.000	0.000	0.000	0.000	0.000
19	2	3.156	-0.333	0.000	0.000	0.000	0.000	0.000
24	2	0.000	-2.164	0.000	0.000	0.000	0.000	0.000
24	2	0.442	-2.164	0.000	0.000	0.000	0.000	0.000
24	2	0.884	-2.164	0.000	0.000	0.000	0.000	0.000
24	2	1.326	-2.164	0.000	0.000	0.000	0.000	0.000
24	2	1.768	-2.164	0.000	0.000	0.000	0.000	0.000
24	2	2.210	-2.164	0.000	0.000	0.000	0.000	0.000
24	2	2.652	-2.164	0.000	0.000	0.000	0.000	0.000
24	2	3.094	-2.164	0.000	0.000	0.000	0.000	0.000
24	2	3.536	-2.164	0.000	0.000	0.000	0.000	0.000
25	5	0.000	-0.572	0.522	2.746	0.228	-3.215	-3.330
25	5	0.063	-0.572	0.522	2.748	0.228	-3.044	-3.298
25	5	0.125	-0.572	0.522	2.750	0.228	-2.872	-3.265
25	5	0.188	-0.572	0.522	2.752	0.228	-2.700	-3.233
25	5	0.250	-0.572	0.522	2.753	0.228	-2.528	-3.200
25	5	0.313	-0.572	0.522	2.755	0.228	-2.356	-3.167
25	5	0.375	-0.572	0.522	2.757	0.228	-2.183	-3.135
25	5	0.438	-0.572	0.522	2.759	0.228	-2.011	-3.102
25	5	0.500	-0.572	0.522	2.761	0.228	-1.839	-3.069
26	5	0.000	2.007	2.465	3.133	0.004	1.432	-4.049
26	5	0.063	2.007	2.465	3.131	0.004	1.628	-3.895
26	5	0.125	2.007	2.465	3.129	0.004	1.824	-3.741

26	5	0.188	2.007	2.465	3.127	0.004	2.019	-3.587
26	5	0.250	2.007	2.465	3.125	0.004	2.215	-3.433
26	5	0.313	2.007	2.465	3.123	0.004	2.410	-3.279
26	5	0.375	2.007	2.465	3.122	0.004	2.605	-3.125
26	5	0.438	2.007	2.465	3.120	0.004	2.800	-2.971
26	5	0.500	2.007	2.465	3.118	0.004	2.995	-2.817
27	5	0.000	-0.580	-5.697	-0.159	0.023	-1.289	4.773
27	5	0.063	-0.580	-5.697	-0.157	0.023	-1.299	4.417
27	5	0.125	-0.580	-5.697	-0.155	0.023	-1.309	4.061
27	5	0.188	-0.580	-5.697	-0.153	0.023	-1.319	3.705
27	5	0.250	-0.580	-5.697	-0.151	0.023	-1.328	3.349
27	5	0.313	-0.580	-5.697	-0.149	0.023	-1.338	2.993
27	5	0.375	-0.580	-5.697	-0.147	0.023	-1.347	2.637
27	5	0.438	-0.580	-5.697	-0.145	0.023	-1.356	2.281
27	5	0.500	-0.580	-5.697	-0.144	0.023	-1.365	1.925
28	5	0.000	1.946	2.577	0.725	-0.007	0.785	2.801
28	5	0.063	1.946	2.577	0.723	-0.007	0.831	2.963
28	5	0.125	1.946	2.577	0.721	-0.007	0.876	3.124
28	5	0.188	1.946	2.577	0.719	-0.007	0.921	3.285
28	5	0.250	1.946	2.577	0.718	-0.007	0.966	3.446
28	5	0.313	1.946	2.577	0.716	-0.007	1.011	3.607
28	5	0.375	1.946	2.577	0.714	-0.007	1.055	3.768
28	5	0.438	1.946	2.577	0.712	-0.007	1.100	3.929
28	5	0.500	1.946	2.577	0.710	-0.007	1.144	4.090
29	2	0.000	-2.163	0.000	0.000	-0.000	0.000	0.000
29	2	0.442	-2.163	0.000	0.000	-0.000	0.000	0.000
29	2	0.884	-2.163	0.000	0.000	-0.000	0.000	0.000
29	2	1.326	-2.163	0.000	0.000	-0.000	0.000	0.000
29	2	1.768	-2.163	0.000	0.000	-0.000	0.000	0.000
29	2	2.210	-2.163	0.000	0.000	-0.000	0.000	0.000
29	2	2.652	-2.163	0.000	0.000	-0.000	0.000	0.000
29	2	3.094	-2.163	0.000	0.000	-0.000	0.000	0.000
29	2	3.536	-2.163	0.000	0.000	-0.000	0.000	0.000
35	2	0.000	-0.053	0.000	0.000	-0.000	0.000	0.000
35	2	0.442	-0.053	0.000	0.000	-0.000	0.000	0.000
35	2	0.884	-0.053	0.000	0.000	-0.000	0.000	0.000
35	2	1.326	-0.053	0.000	0.000	-0.000	0.000	0.000
35	2	1.768	-0.053	0.000	0.000	-0.000	0.000	0.000
35	2	2.210	-0.053	0.000	0.000	-0.000	0.000	0.000
35	2	2.652	-0.053	0.000	0.000	-0.000	0.000	0.000
35	2	3.094	-0.053	0.000	0.000	-0.000	0.000	0.000
35	2	3.536	-0.053	0.000	0.000	-0.000	0.000	0.000
36	2	0.000	-0.530	0.000	0.000	0.000	0.000	0.000
36	2	0.442	-0.530	0.000	0.000	0.000	0.000	0.000
36	2	0.884	-0.530	0.000	0.000	0.000	0.000	0.000
36	2	1.326	-0.530	0.000	0.000	0.000	0.000	0.000
36	2	1.768	-0.530	0.000	0.000	0.000	0.000	0.000
36	2	2.210	-0.530	0.000	0.000	0.000	0.000	0.000
36	2	2.652	-0.530	0.000	0.000	0.000	0.000	0.000
36	2	3.094	-0.530	0.000	0.000	0.000	0.000	0.000
36	2	3.536	-0.530	0.000	0.000	0.000	0.000	0.000
37	2	0.000	-0.599	0.000	0.000	0.000	0.000	0.000
37	2	0.442	-0.599	0.000	0.000	0.000	0.000	0.000
37	2	0.884	-0.599	0.000	0.000	0.000	0.000	0.000
37	2	1.326	-0.599	0.000	0.000	0.000	0.000	0.000
37	2	1.768	-0.599	0.000	0.000	0.000	0.000	0.000
37	2	2.210	-0.599	0.000	0.000	0.000	0.000	0.000
37	2	2.652	-0.599	0.000	0.000	0.000	0.000	0.000
37	2	3.094	-0.599	0.000	0.000	0.000	0.000	0.000
37	2	3.536	-0.599	0.000	0.000	0.000	0.000	0.000
40	2	0.000	-0.070	0.000	0.000	-0.000	0.000	0.000
40	2	0.442	-0.070	0.000	0.000	-0.000	0.000	0.000
40	2	0.884	-0.070	0.000	0.000	-0.000	0.000	0.000
40	2	1.326	-0.070	0.000	0.000	-0.000	0.000	0.000
40	2	1.768	-0.070	0.000	0.000	-0.000	0.000	0.000
40	2	2.210	-0.070	0.000	0.000	-0.000	0.000	0.000
40	2	2.652	-0.070	0.000	0.000	-0.000	0.000	0.000
40	2	3.094	-0.070	0.000	0.000	-0.000	0.000	0.000
40	2	3.536	-0.070	0.000	0.000	-0.000	0.000	0.000
41	3	0.000	-0.025	1.249	0.042	0.214	-0.163	-0.097
41	3	0.125	-0.025	1.249	0.041	0.214	-0.158	0.059
41	3	0.250	-0.025	1.249	0.039	0.214	-0.153	0.216
41	3	0.375	-0.025	1.249	0.037	0.214	-0.148	0.372
41	3	0.500	-0.025	1.249	0.035	0.214	-0.143	0.528
41	3	0.625	-0.025	1.249	0.033	0.214	-0.139	0.684
41	3	0.750	-0.025	1.249	0.032	0.214	-0.135	0.840
41	3	0.875	-0.025	1.249	0.030	0.214	-0.131	0.996
41	3	1.000	-0.025	1.249	0.028	0.214	-0.128	1.152
42	1	0.000	1.650	0.091	-0.194	0.000	0.126	-0.042

42	1	0.189	1.650	0.091	-0.195	0.000	0.089	-0.025
42	1	0.378	1.650	0.091	-0.197	0.000	0.052	-0.008
42	1	0.566	1.650	0.091	-0.199	0.000	0.015	0.010
42	1	0.755	1.650	0.091	-0.200	0.000	-0.022	0.027
42	1	0.944	1.650	0.091	-0.202	0.000	-0.060	0.044
42	1	1.133	1.650	0.091	-0.203	0.000	-0.099	0.061
42	1	1.321	1.650	0.091	-0.205	0.000	-0.137	0.078
42	1	1.510	1.650	0.091	-0.206	0.000	-0.176	0.095
43	1	0.000	1.642	-0.082	-0.576	-0.002	-0.167	0.089
43	1	0.036	1.642	-0.082	-0.576	-0.002	-0.188	0.086
43	1	0.072	1.642	-0.082	-0.576	-0.002	-0.209	0.083
43	1	0.109	1.642	-0.082	-0.577	-0.002	-0.230	0.080
43	1	0.145	1.642	-0.082	-0.577	-0.002	-0.251	0.077
43	1	0.181	1.642	-0.082	-0.577	-0.002	-0.271	0.074
43	1	0.217	1.642	-0.082	-0.577	-0.002	-0.292	0.071
43	1	0.254	1.642	-0.082	-0.578	-0.002	-0.313	0.068
43	1	0.290	1.642	-0.082	-0.578	-0.002	-0.334	0.065
45	3	0.000	2.421	0.521	-0.148	-0.215	0.086	-0.172
45	3	0.287	2.421	0.521	-0.152	-0.215	0.043	-0.023
45	3	0.575	2.421	0.521	-0.156	-0.215	-0.001	0.127
45	3	0.863	2.421	0.521	-0.160	-0.215	-0.047	0.277
45	3	1.150	2.421	0.521	-0.164	-0.215	-0.093	0.427
45	3	1.438	2.421	0.521	-0.168	-0.215	-0.141	0.576
45	3	1.725	2.421	0.521	-0.173	-0.215	-0.190	0.726
45	3	2.012	2.421	0.521	-0.177	-0.215	-0.240	0.876
45	3	2.300	2.421	0.521	-0.181	-0.215	-0.292	1.026
46	3	0.000	2.037	-0.528	0.138	0.213	-0.302	1.042
46	3	0.287	2.037	-0.528	0.134	0.213	-0.263	0.890
46	3	0.575	2.037	-0.528	0.130	0.213	-0.225	0.738
46	3	0.863	2.037	-0.528	0.126	0.213	-0.188	0.586
46	3	1.150	2.037	-0.528	0.121	0.213	-0.153	0.434
46	3	1.438	2.037	-0.528	0.117	0.213	-0.118	0.282
46	3	1.725	2.037	-0.528	0.113	0.213	-0.085	0.131
46	3	2.012	2.037	-0.528	0.109	0.213	-0.053	-0.021
46	3	2.300	2.037	-0.528	0.105	0.213	-0.022	-0.173
47	3	0.000	-0.021	-1.340	0.023	-0.216	-0.153	1.197
47	3	0.125	-0.021	-1.340	0.021	-0.216	-0.150	1.029
47	3	0.250	-0.021	-1.340	0.019	-0.216	-0.147	0.862
47	3	0.375	-0.021	-1.340	0.018	-0.216	-0.145	0.694
47	3	0.500	-0.021	-1.340	0.016	-0.216	-0.143	0.527
47	3	0.625	-0.021	-1.340	0.014	-0.216	-0.141	0.359
47	3	0.750	-0.021	-1.340	0.012	-0.216	-0.139	0.192
47	3	0.875	-0.021	-1.340	0.010	-0.216	-0.138	0.024
47	3	1.000	-0.021	-1.340	0.009	-0.216	-0.137	-0.144
48	1	0.000	1.031	0.007	0.014	-0.000	-0.033	-0.014
48	1	0.287	1.028	0.007	0.014	-0.000	-0.029	-0.012
48	1	0.575	1.026	0.007	0.014	-0.000	-0.025	-0.011
48	1	0.863	1.023	0.007	0.014	-0.000	-0.021	-0.009
48	1	1.150	1.021	0.007	0.014	-0.000	-0.017	-0.007
48	1	1.438	1.019	0.007	0.014	-0.000	-0.013	-0.005
48	1	1.725	1.016	0.007	0.014	-0.000	-0.009	-0.003
48	1	2.012	1.014	0.007	0.014	-0.000	-0.005	-0.001
48	1	2.300	1.011	0.007	0.014	-0.000	-0.001	0.001
49	1	0.000	-0.087	-0.011	0.013	-0.004	-0.020	0.028
49	1	0.287	-0.084	-0.011	0.013	-0.004	-0.016	0.025
49	1	0.575	-0.082	-0.011	0.013	-0.004	-0.012	0.022
49	1	0.863	-0.079	-0.011	0.013	-0.004	-0.009	0.019
49	1	1.150	-0.077	-0.011	0.013	-0.004	-0.005	0.016
49	1	1.438	-0.075	-0.011	0.013	-0.004	-0.002	0.013
49	1	1.725	-0.072	-0.011	0.013	-0.004	0.002	0.010
49	1	2.012	-0.070	-0.011	0.013	-0.004	0.006	0.007
49	1	2.300	-0.067	-0.011	0.013	-0.004	0.009	0.004
50	1	0.000	1.515	0.009	0.010	0.000	-0.023	-0.021
50	1	0.287	1.513	0.009	0.010	0.000	-0.020	-0.018
50	1	0.575	1.510	0.009	0.010	0.000	-0.017	-0.015
50	1	0.863	1.508	0.009	0.010	0.000	-0.014	-0.013
50	1	1.150	1.505	0.009	0.010	0.000	-0.011	-0.010
50	1	1.438	1.503	0.009	0.010	0.000	-0.008	-0.007
50	1	1.725	1.500	0.009	0.010	0.000	-0.005	-0.005
50	1	2.012	1.498	0.009	0.010	0.000	-0.002	-0.002
50	1	2.300	1.496	0.009	0.010	0.000	0.001	0.001
51	1	0.000	0.543	0.017	0.080	0.053	-0.062	-0.025
51	1	0.287	0.546	0.017	0.080	0.053	-0.039	-0.020
51	1	0.575	0.548	0.017	0.080	0.053	-0.016	-0.016
51	1	0.863	0.551	0.017	0.080	0.053	0.007	-0.011
51	1	1.150	0.553	0.017	0.080	0.053	0.030	-0.006
51	1	1.438	0.555	0.017	0.080	0.053	0.052	-0.001
51	1	1.725	0.558	0.017	0.080	0.053	0.075	0.004
51	1	2.012	0.560	0.017	0.080	0.053	0.098	0.008

51	1	2.300	0.563	0.017	0.080	0.053	0.121	0.013
52	2	0.000	-0.616	0.000	0.000	-0.000	0.000	0.000
52	2	0.442	-0.616	0.000	0.000	-0.000	0.000	0.000
52	2	0.884	-0.616	0.000	0.000	-0.000	0.000	0.000
52	2	1.326	-0.616	0.000	0.000	-0.000	0.000	0.000
52	2	1.768	-0.616	0.000	0.000	-0.000	0.000	0.000
52	2	2.210	-0.616	0.000	0.000	-0.000	0.000	0.000
52	2	2.652	-0.616	0.000	0.000	-0.000	0.000	0.000
52	2	3.094	-0.616	0.000	0.000	-0.000	0.000	0.000
52	2	3.536	-0.616	0.000	0.000	-0.000	0.000	0.000
53	2	0.000	-0.003	0.000	0.000	0.000	0.000	0.000
53	2	0.460	-0.003	0.000	0.000	0.000	0.000	0.000
53	2	0.920	-0.003	0.000	0.000	0.000	0.000	0.000
53	2	1.379	-0.003	0.000	0.000	0.000	0.000	0.000
53	2	1.839	-0.003	0.000	0.000	0.000	0.000	0.000
53	2	2.299	-0.003	0.000	0.000	0.000	0.000	0.000
53	2	2.759	-0.003	0.000	0.000	0.000	0.000	0.000
53	2	3.219	-0.003	0.000	0.000	0.000	0.000	0.000
53	2	3.678	-0.003	0.000	0.000	0.000	0.000	0.000
54	2	0.000	-0.945	0.000	0.000	0.000	0.000	0.000
54	2	0.442	-0.945	0.000	0.000	0.000	0.000	0.000
54	2	0.884	-0.945	0.000	0.000	0.000	0.000	0.000
54	2	1.326	-0.945	0.000	0.000	0.000	0.000	0.000
54	2	1.768	-0.945	0.000	0.000	0.000	0.000	0.000
54	2	2.210	-0.945	0.000	0.000	0.000	0.000	0.000
54	2	2.652	-0.945	0.000	0.000	0.000	0.000	0.000
54	2	3.094	-0.945	0.000	0.000	0.000	0.000	0.000
54	2	3.536	-0.945	0.000	0.000	0.000	0.000	0.000
55	2	0.000	-0.232	0.000	0.000	-0.000	0.000	0.000
55	2	0.460	-0.232	0.000	0.000	-0.000	0.000	0.000
55	2	0.920	-0.232	0.000	0.000	-0.000	0.000	0.000
55	2	1.379	-0.232	0.000	0.000	-0.000	0.000	0.000
55	2	1.839	-0.232	0.000	0.000	-0.000	0.000	0.000
55	2	2.299	-0.232	0.000	0.000	-0.000	0.000	0.000
55	2	2.759	-0.232	0.000	0.000	-0.000	0.000	0.000
55	2	3.219	-0.232	0.000	0.000	-0.000	0.000	0.000
55	2	3.678	-0.232	0.000	0.000	-0.000	0.000	0.000
56	1	0.000	2.114	-0.151	0.392	-0.001	-0.300	0.068
56	1	0.036	2.114	-0.151	0.392	-0.001	-0.286	0.063
56	1	0.072	2.114	-0.151	0.392	-0.001	-0.272	0.057
56	1	0.109	2.114	-0.151	0.391	-0.001	-0.258	0.052
56	1	0.145	2.114	-0.151	0.391	-0.001	-0.243	0.046
56	1	0.181	2.114	-0.151	0.391	-0.001	-0.229	0.041
56	1	0.217	2.114	-0.151	0.390	-0.001	-0.215	0.035
56	1	0.254	2.114	-0.151	0.390	-0.001	-0.201	0.030
56	1	0.290	2.114	-0.151	0.390	-0.001	-0.187	0.024
57	2	0.000	-0.267	0.000	0.000	0.000	0.000	0.000
57	2	0.394	-0.267	0.000	0.000	0.000	0.000	0.000
57	2	0.789	-0.267	0.000	0.000	0.000	0.000	0.000
57	2	1.183	-0.267	0.000	0.000	0.000	0.000	0.000
57	2	1.578	-0.267	0.000	0.000	0.000	0.000	0.000
57	2	1.972	-0.267	0.000	0.000	0.000	0.000	0.000
57	2	2.367	-0.267	0.000	0.000	0.000	0.000	0.000
57	2	2.761	-0.267	0.000	0.000	0.000	0.000	0.000
57	2	3.156	-0.267	0.000	0.000	0.000	0.000	0.000
59	2	0.000	-1.003	0.000	0.000	-0.000	0.000	0.000
59	2	0.394	-1.003	0.000	0.000	-0.000	0.000	0.000
59	2	0.789	-1.003	0.000	0.000	-0.000	0.000	0.000
59	2	1.183	-1.003	0.000	0.000	-0.000	0.000	0.000
59	2	1.578	-1.003	0.000	0.000	-0.000	0.000	0.000
59	2	1.972	-1.003	0.000	0.000	-0.000	0.000	0.000
59	2	2.367	-1.003	0.000	0.000	-0.000	0.000	0.000
59	2	2.761	-1.003	0.000	0.000	-0.000	0.000	0.000
59	2	3.156	-1.003	0.000	0.000	-0.000	0.000	0.000
65	5	0.000	0.400	5.974	1.995	0.002	-1.865	-1.498
65	5	0.063	0.400	5.974	1.997	0.002	-1.740	-1.125
65	5	0.125	0.400	5.974	1.999	0.002	-1.615	-0.752
65	5	0.188	0.400	5.974	2.001	0.002	-1.490	-0.378
65	5	0.250	0.400	5.974	2.003	0.002	-1.365	-0.005
65	5	0.313	0.400	5.974	2.005	0.002	-1.240	0.369
65	5	0.375	0.400	5.974	2.007	0.002	-1.114	0.742
65	5	0.438	0.400	5.974	2.009	0.002	-0.989	1.115
65	5	0.500	0.400	5.974	2.011	0.002	-0.863	1.489
66	5	0.000	1.032	-5.330	1.762	0.226	1.351	1.186
66	5	0.063	1.032	-5.330	1.760	0.226	1.461	0.853
66	5	0.125	1.032	-5.330	1.758	0.226	1.571	0.520
66	5	0.188	1.032	-5.330	1.756	0.226	1.681	0.186
66	5	0.250	1.032	-5.330	1.754	0.226	1.790	-0.147
66	5	0.313	1.032	-5.330	1.752	0.226	1.900	-0.480

66	5	0.375	1.032	-5.330	1.750	0.226	2.009	-0.813
66	5	0.438	1.032	-5.330	1.748	0.226	2.119	-1.146
66	5	0.500	1.032	-5.330	1.746	0.226	2.228	-1.479
67	5	0.000	0.455	-14.231	-3.612	0.002	-0.391	3.547
67	5	0.063	0.455	-14.231	-3.610	0.002	-0.617	2.658
67	5	0.125	0.455	-14.231	-3.608	0.002	-0.843	1.768
67	5	0.188	0.455	-14.231	-3.606	0.002	-1.068	0.879
67	5	0.250	0.455	-14.231	-3.604	0.002	-1.293	-0.010
67	5	0.313	0.455	-14.231	-3.602	0.002	-1.519	-0.900
67	5	0.375	0.455	-14.231	-3.601	0.002	-1.744	-1.789
67	5	0.438	0.455	-14.231	-3.599	0.002	-1.969	-2.679
67	5	0.500	0.455	-14.231	-3.597	0.002	-2.194	-3.568
68	5	0.000	1.030	13.465	-3.692	0.033	2.555	-3.350
68	5	0.063	1.030	13.465	-3.694	0.033	2.324	-2.509
68	5	0.125	1.030	13.465	-3.695	0.033	2.093	-1.667
68	5	0.188	1.030	13.465	-3.697	0.033	1.862	-0.826
68	5	0.250	1.030	13.465	-3.699	0.033	1.631	0.016
68	5	0.313	1.030	13.465	-3.701	0.033	1.400	0.857
68	5	0.375	1.030	13.465	-3.703	0.033	1.169	1.699
68	5	0.438	1.030	13.465	-3.705	0.033	0.937	2.540
68	5	0.500	1.030	13.465	-3.707	0.033	0.705	3.382
73	2	0.000	-0.072	0.000	0.000	-0.000	0.000	0.000
73	2	0.442	-0.072	0.000	0.000	-0.000	0.000	0.000
73	2	0.884	-0.072	0.000	0.000	-0.000	0.000	0.000
73	2	1.326	-0.072	0.000	0.000	-0.000	0.000	0.000
73	2	1.768	-0.072	0.000	0.000	-0.000	0.000	0.000
73	2	2.210	-0.072	0.000	0.000	-0.000	0.000	0.000
73	2	2.652	-0.072	0.000	0.000	-0.000	0.000	0.000
73	2	3.094	-0.072	0.000	0.000	-0.000	0.000	0.000
73	2	3.536	-0.072	0.000	0.000	-0.000	0.000	0.000
74	2	0.000	-0.567	0.000	0.000	0.000	0.000	0.000
74	2	0.442	-0.567	0.000	0.000	0.000	0.000	0.000
74	2	0.884	-0.567	0.000	0.000	0.000	0.000	0.000
74	2	1.326	-0.567	0.000	0.000	0.000	0.000	0.000
74	2	1.768	-0.567	0.000	0.000	0.000	0.000	0.000
74	2	2.210	-0.567	0.000	0.000	0.000	0.000	0.000
74	2	2.652	-0.567	0.000	0.000	0.000	0.000	0.000
74	2	3.094	-0.567	0.000	0.000	0.000	0.000	0.000
74	2	3.536	-0.567	0.000	0.000	0.000	0.000	0.000
78	2	0.000	-0.055	0.000	0.000	-0.000	0.000	0.000
78	2	0.442	-0.055	0.000	0.000	-0.000	0.000	0.000
78	2	0.884	-0.055	0.000	0.000	-0.000	0.000	0.000
78	2	1.326	-0.055	0.000	0.000	-0.000	0.000	0.000
78	2	1.768	-0.055	0.000	0.000	-0.000	0.000	0.000
78	2	2.210	-0.055	0.000	0.000	-0.000	0.000	0.000
78	2	2.652	-0.055	0.000	0.000	-0.000	0.000	0.000
78	2	3.094	-0.055	0.000	0.000	-0.000	0.000	0.000
78	2	3.536	-0.055	0.000	0.000	-0.000	0.000	0.000
79	2	0.000	-0.521	0.000	0.000	-0.000	0.000	0.000
79	2	0.442	-0.521	0.000	0.000	-0.000	0.000	0.000
79	2	0.884	-0.521	0.000	0.000	-0.000	0.000	0.000
79	2	1.326	-0.521	0.000	0.000	-0.000	0.000	0.000
79	2	1.768	-0.521	0.000	0.000	-0.000	0.000	0.000
79	2	2.210	-0.521	0.000	0.000	-0.000	0.000	0.000
79	2	2.652	-0.521	0.000	0.000	-0.000	0.000	0.000
79	2	3.094	-0.521	0.000	0.000	-0.000	0.000	0.000
79	2	3.536	-0.521	0.000	0.000	-0.000	0.000	0.000
81	4	0.000	-0.576	1.513	0.248	0.224	-2.354	-0.626
81	4	0.125	-0.576	1.513	0.250	0.224	-2.323	-0.437
81	4	0.250	-0.576	1.513	0.252	0.224	-2.291	-0.248
81	4	0.375	-0.576	1.513	0.254	0.224	-2.260	-0.059
81	4	0.500	-0.576	1.513	0.256	0.224	-2.228	0.130
81	4	0.625	-0.576	1.513	0.258	0.224	-2.196	0.319
81	4	0.750	-0.576	1.513	0.260	0.224	-2.163	0.508
81	4	0.875	-0.576	1.513	0.262	0.224	-2.131	0.697
81	4	1.000	-0.576	1.513	0.264	0.224	-2.098	0.886
82	4	0.000	-0.583	-2.368	-0.671	0.034	-1.225	1.058
82	4	0.125	-0.583	-2.368	-0.669	0.034	-1.309	0.762
82	4	0.250	-0.583	-2.368	-0.667	0.034	-1.393	0.466
82	4	0.375	-0.583	-2.368	-0.665	0.034	-1.476	0.170
82	4	0.500	-0.583	-2.368	-0.663	0.034	-1.559	-0.126
82	4	0.625	-0.583	-2.368	-0.661	0.034	-1.642	-0.422
82	4	0.750	-0.583	-2.368	-0.659	0.034	-1.724	-0.718
82	4	0.875	-0.583	-2.368	-0.657	0.034	-1.806	-1.014
82	4	1.000	-0.583	-2.368	-0.655	0.034	-1.888	-1.310
83	4	0.000	-0.009	0.221	0.197	0.000	-0.377	-0.221
83	4	0.250	-0.009	0.221	0.201	0.000	-0.327	-0.166
83	4	0.500	-0.009	0.221	0.205	0.000	-0.276	-0.110
83	4	0.750	-0.009	0.221	0.209	0.000	-0.225	-0.055

83	4	1.000	-0.009	0.221	0.213	0.000	-0.172	-0.000
83	4	1.250	-0.009	0.221	0.216	0.000	-0.118	0.055
83	4	1.500	-0.009	0.221	0.220	0.000	-0.064	0.110
83	4	1.750	-0.009	0.221	0.224	0.000	-0.008	0.166
83	4	2.000	-0.009	0.221	0.228	0.000	0.048	0.221
84	4	0.000	0.001	-0.557	0.375	0.001	-0.898	0.557
84	4	0.250	0.001	-0.557	0.379	0.001	-0.803	0.418
84	4	0.500	0.001	-0.557	0.383	0.001	-0.708	0.278
84	4	0.750	0.001	-0.557	0.387	0.001	-0.612	0.139
84	4	1.000	0.001	-0.557	0.391	0.001	-0.515	0.000
84	4	1.250	0.001	-0.557	0.395	0.001	-0.416	-0.139
84	4	1.500	0.001	-0.557	0.398	0.001	-0.317	-0.278
84	4	1.750	0.001	-0.557	0.402	0.001	-0.217	-0.418
84	4	2.000	0.001	-0.557	0.406	0.001	-0.116	-0.557
85	4	0.000	-0.003	0.018	-0.327	0.007	2.290	-0.055
85	4	0.750	-0.003	0.018	-0.339	0.007	2.040	-0.041
85	4	1.500	-0.003	0.018	-0.351	0.007	1.781	-0.028
85	4	2.250	-0.003	0.018	-0.362	0.007	1.514	-0.014
85	4	3.000	-0.003	0.018	-0.374	0.007	1.238	0.000
85	4	3.750	-0.003	0.018	-0.385	0.007	0.953	0.014
85	4	4.500	-0.003	0.018	-0.397	0.007	0.660	0.028
85	4	5.250	-0.003	0.018	-0.408	0.007	0.358	0.041
85	4	6.000	-0.003	0.018	-0.420	0.007	0.048	0.055
86	4	0.000	0.000	0.006	0.016	-0.000	0.234	-0.018
86	4	0.750	0.000	0.006	0.005	-0.000	0.242	-0.014
86	4	1.500	0.000	0.006	-0.007	-0.000	0.241	-0.009
86	4	2.250	0.000	0.006	-0.019	-0.000	0.232	-0.005
86	4	3.000	0.000	0.006	-0.030	-0.000	0.213	0.000
86	4	3.750	0.000	0.006	-0.042	-0.000	0.186	0.005
86	4	4.500	0.000	0.006	-0.053	-0.000	0.151	0.009
86	4	5.250	0.000	0.006	-0.065	-0.000	0.107	0.014
86	4	6.000	0.000	0.006	-0.076	-0.000	0.054	0.018
87	2	0.000	-0.031	0.000	0.000	0.000	0.000	0.000
87	2	0.429	-0.031	0.000	0.000	0.000	0.000	0.000
87	2	0.858	-0.031	0.000	0.000	0.000	0.000	0.000
87	2	1.287	-0.031	0.000	0.000	0.000	0.000	0.000
87	2	1.716	-0.031	0.000	0.000	0.000	0.000	0.000
87	2	2.144	-0.031	0.000	0.000	0.000	0.000	0.000
87	2	2.573	-0.031	0.000	0.000	0.000	0.000	0.000
87	2	3.002	-0.031	0.000	0.000	0.000	0.000	0.000
87	2	3.431	-0.031	0.000	0.000	0.000	0.000	0.000
88	2	0.000	-0.385	0.000	0.000	-0.000	0.000	0.000
88	2	0.429	-0.385	0.000	0.000	-0.000	0.000	0.000
88	2	0.858	-0.385	0.000	0.000	-0.000	0.000	0.000
88	2	1.287	-0.385	0.000	0.000	-0.000	0.000	0.000
88	2	1.716	-0.385	0.000	0.000	-0.000	0.000	0.000
88	2	2.144	-0.385	0.000	0.000	-0.000	0.000	0.000
88	2	2.573	-0.385	0.000	0.000	-0.000	0.000	0.000
88	2	3.002	-0.385	0.000	0.000	-0.000	0.000	0.000
88	2	3.431	-0.385	0.000	0.000	-0.000	0.000	0.000
89	2	0.000	-0.073	0.000	0.000	-0.000	0.000	0.000
89	2	0.901	-0.073	0.000	0.000	-0.000	0.000	0.000
89	2	1.803	-0.073	0.000	0.000	-0.000	0.000	0.000
89	2	2.704	-0.073	0.000	0.000	-0.000	0.000	0.000
89	2	3.606	-0.073	0.000	0.000	-0.000	0.000	0.000
89	2	4.507	-0.073	0.000	0.000	-0.000	0.000	0.000
89	2	5.408	-0.073	0.000	0.000	-0.000	0.000	0.000
89	2	6.310	-0.073	0.000	0.000	-0.000	0.000	0.000
89	2	7.211	-0.073	0.000	0.000	-0.000	0.000	0.000
90	2	0.000	-0.464	0.000	0.000	0.000	0.000	0.000
90	2	0.901	-0.464	0.000	0.000	0.000	0.000	0.000
90	2	1.803	-0.464	0.000	0.000	0.000	0.000	0.000
90	2	2.704	-0.464	0.000	0.000	0.000	0.000	0.000
90	2	3.606	-0.464	0.000	0.000	0.000	0.000	0.000
90	2	4.507	-0.464	0.000	0.000	0.000	0.000	0.000
90	2	5.408	-0.464	0.000	0.000	0.000	0.000	0.000
90	2	6.310	-0.464	0.000	0.000	0.000	0.000	0.000
90	2	7.211	-0.464	0.000	0.000	0.000	0.000	0.000
91	4	0.000	-0.575	1.229	0.142	0.227	-2.555	-2.916
91	4	0.250	-0.575	1.229	0.146	0.227	-2.519	-2.608
91	4	0.500	-0.575	1.229	0.150	0.227	-2.482	-2.301
91	4	0.750	-0.575	1.229	0.154	0.227	-2.445	-1.993
91	4	1.000	-0.575	1.229	0.157	0.227	-2.406	-1.686
91	4	1.250	-0.575	1.229	0.161	0.227	-2.366	-1.379
91	4	1.500	-0.575	1.229	0.165	0.227	-2.325	-1.071
91	4	1.750	-0.575	1.229	0.169	0.227	-2.283	-0.764
91	4	2.000	-0.575	1.229	0.173	0.227	-2.241	-0.457
92	4	0.000	2.005	1.591	0.197	0.009	2.104	-3.117
92	4	0.250	2.005	1.591	0.193	0.009	2.153	-2.719
92	4	0.500	2.005	1.591	0.189	0.009	2.200	-2.322

92	4	0.750	2.005	1.591	0.185	0.009	2.247	-1.924
92	4	1.000	2.005	1.591	0.182	0.009	2.293	-1.526
92	4	1.250	2.005	1.591	0.178	0.009	2.338	-1.128
92	4	1.500	2.005	1.591	0.174	0.009	2.382	-0.731
92	4	1.750	2.005	1.591	0.170	0.009	2.425	-0.333
92	4	2.000	2.005	1.591	0.166	0.009	2.467	0.065
93	4	0.000	-0.582	-1.458	-0.199	0.028	-1.256	3.227
93	4	0.250	-0.582	-1.458	-0.195	0.028	-1.305	2.863
93	4	0.500	-0.582	-1.458	-0.191	0.028	-1.354	2.498
93	4	0.750	-0.582	-1.458	-0.187	0.028	-1.401	2.134
93	4	1.000	-0.582	-1.458	-0.183	0.028	-1.447	1.769
93	4	1.250	-0.582	-1.458	-0.180	0.028	-1.493	1.404
93	4	1.500	-0.582	-1.458	-0.176	0.028	-1.537	1.040
93	4	1.750	-0.582	-1.458	-0.172	0.028	-1.581	0.675
93	4	2.000	-0.582	-1.458	-0.168	0.028	-1.623	0.311
94	4	0.000	1.944	-1.433	-0.166	-0.004	0.773	2.965
94	4	0.250	1.944	-1.433	-0.170	-0.004	0.731	2.607
94	4	0.500	1.944	-1.433	-0.174	-0.004	0.688	2.248
94	4	0.750	1.944	-1.433	-0.178	-0.004	0.644	1.890
94	4	1.000	1.944	-1.433	-0.181	-0.004	0.599	1.532
94	4	1.250	1.944	-1.433	-0.185	-0.004	0.553	1.174
94	4	1.500	1.944	-1.433	-0.189	-0.004	0.507	0.815
94	4	1.750	1.944	-1.433	-0.193	-0.004	0.459	0.457
94	4	2.000	1.944	-1.433	-0.197	-0.004	0.410	0.099
95	4	0.000	0.399	0.208	0.496	0.001	-1.302	-0.210
95	4	0.250	0.399	0.208	0.500	0.001	-1.178	-0.158
95	4	0.500	0.399	0.208	0.503	0.001	-1.053	-0.106
95	4	0.750	0.399	0.208	0.507	0.001	-0.926	-0.054
95	4	1.000	0.399	0.208	0.511	0.001	-0.799	-0.002
95	4	1.250	0.399	0.208	0.515	0.001	-0.671	0.050
95	4	1.500	0.399	0.208	0.519	0.001	-0.541	0.102
95	4	1.750	0.399	0.208	0.523	0.001	-0.411	0.153
95	4	2.000	0.399	0.208	0.527	0.001	-0.280	0.205
96	4	0.000	1.032	0.258	0.221	0.224	1.793	0.085
96	4	0.250	1.032	0.258	0.218	0.224	1.848	0.150
96	4	0.500	1.032	0.258	0.214	0.224	1.901	0.214
96	4	0.750	1.032	0.258	0.210	0.224	1.954	0.279
96	4	1.000	1.032	0.258	0.206	0.224	2.006	0.343
96	4	1.250	1.032	0.258	0.202	0.224	2.057	0.408
96	4	1.500	1.032	0.258	0.198	0.224	2.107	0.472
96	4	1.750	1.032	0.258	0.194	0.224	2.157	0.537
96	4	2.000	1.032	0.258	0.191	0.224	2.205	0.602
97	4	0.000	0.455	-0.487	-0.005	0.002	-1.151	0.482
97	4	0.250	0.455	-0.487	-0.001	0.002	-1.152	0.361
97	4	0.500	0.455	-0.487	0.003	0.002	-1.151	0.239
97	4	0.750	0.455	-0.487	0.007	0.002	-1.150	0.117
97	4	1.000	0.455	-0.487	0.011	0.002	-1.148	-0.005
97	4	1.250	0.455	-0.487	0.015	0.002	-1.145	-0.126
97	4	1.500	0.455	-0.487	0.019	0.002	-1.140	-0.248
97	4	1.750	0.455	-0.487	0.022	0.002	-1.135	-0.370
97	4	2.000	0.455	-0.487	0.026	0.002	-1.129	-0.491
98	4	0.000	1.030	0.019	-0.132	0.035	1.757	-0.433
98	4	0.250	1.030	0.019	-0.135	0.035	1.723	-0.428
98	4	0.500	1.030	0.019	-0.139	0.035	1.689	-0.424
98	4	0.750	1.030	0.019	-0.143	0.035	1.654	-0.419
98	4	1.000	1.030	0.019	-0.147	0.035	1.618	-0.414
98	4	1.250	1.030	0.019	-0.151	0.035	1.580	-0.409
98	4	1.500	1.030	0.019	-0.155	0.035	1.542	-0.404
98	4	1.750	1.030	0.019	-0.158	0.035	1.503	-0.400
98	4	2.000	1.030	0.019	-0.162	0.035	1.463	-0.395
99	1	0.000	0.175	0.016	0.375	0.054	-0.136	-0.019
99	1	0.046	0.176	0.016	0.375	0.054	-0.119	-0.019
99	1	0.093	0.176	0.016	0.375	0.054	-0.101	-0.018
99	1	0.139	0.176	0.016	0.375	0.054	-0.084	-0.017
99	1	0.185	0.177	0.016	0.375	0.054	-0.067	-0.016
99	1	0.232	0.177	0.016	0.375	0.054	-0.049	-0.016
99	1	0.278	0.178	0.016	0.375	0.054	-0.032	-0.015
99	1	0.324	0.178	0.016	0.375	0.054	-0.014	-0.014
99	1	0.371	0.178	0.016	0.375	0.054	0.003	-0.013
100	1	0.000	-0.113	0.004	0.039	-0.004	-0.012	-0.002
100	1	0.046	-0.112	0.004	0.039	-0.004	-0.011	-0.002
100	1	0.093	-0.112	0.004	0.039	-0.004	-0.009	-0.002
100	1	0.139	-0.111	0.004	0.039	-0.004	-0.007	-0.001
100	1	0.185	-0.111	0.004	0.039	-0.004	-0.005	-0.001
100	1	0.232	-0.111	0.004	0.039	-0.004	-0.003	-0.001
100	1	0.278	-0.110	0.004	0.039	-0.004	-0.002	-0.001
100	1	0.324	-0.110	0.004	0.039	-0.004	0.000	-0.001
100	1	0.371	-0.109	0.004	0.039	-0.004	0.002	-0.000
101	1	0.000	-0.106	-0.042	-0.059	-0.004	0.016	0.011

101	1	0.046	-0.106	-0.042	-0.059	-0.004	0.013	0.009
101	1	0.093	-0.106	-0.042	-0.059	-0.004	0.011	0.007
101	1	0.139	-0.105	-0.042	-0.059	-0.004	0.008	0.005
101	1	0.185	-0.105	-0.042	-0.059	-0.004	0.005	0.003
101	1	0.232	-0.105	-0.042	-0.059	-0.004	0.002	0.001
101	1	0.278	-0.104	-0.042	-0.059	-0.004	-0.000	-0.001
101	1	0.324	-0.104	-0.042	-0.059	-0.004	-0.003	-0.003
101	1	0.371	-0.103	-0.042	-0.059	-0.004	-0.006	-0.005
102	1	0.000	0.160	0.054	-0.475	0.053	0.151	0.005
102	1	0.046	0.160	0.054	-0.475	0.053	0.129	0.008
102	1	0.093	0.161	0.054	-0.475	0.053	0.107	0.010
102	1	0.139	0.161	0.054	-0.475	0.053	0.085	0.013
102	1	0.185	0.161	0.054	-0.475	0.053	0.063	0.015
102	1	0.232	0.162	0.054	-0.475	0.053	0.041	0.018
102	1	0.278	0.162	0.054	-0.475	0.053	0.019	0.020
102	1	0.324	0.162	0.054	-0.475	0.053	-0.003	0.023
102	1	0.371	0.163	0.054	-0.475	0.053	-0.025	0.025
158	2	0.000	-2.270	0.000	0.000	0.000	0.000	0.000
158	2	0.442	-2.270	0.000	0.000	0.000	0.000	0.000
158	2	0.884	-2.270	0.000	0.000	0.000	0.000	0.000
158	2	1.326	-2.270	0.000	0.000	0.000	0.000	0.000
158	2	1.768	-2.270	0.000	0.000	0.000	0.000	0.000
158	2	2.210	-2.270	0.000	0.000	0.000	0.000	0.000
158	2	2.652	-2.270	0.000	0.000	0.000	0.000	0.000
158	2	3.094	-2.270	0.000	0.000	0.000	0.000	0.000
158	2	3.536	-2.270	0.000	0.000	0.000	0.000	0.000
161	2	0.000	-2.277	0.000	0.000	-0.000	0.000	0.000
161	2	0.442	-2.277	0.000	0.000	-0.000	0.000	0.000
161	2	0.884	-2.277	0.000	0.000	-0.000	0.000	0.000
161	2	1.326	-2.277	0.000	0.000	-0.000	0.000	0.000
161	2	1.768	-2.277	0.000	0.000	-0.000	0.000	0.000
161	2	2.210	-2.277	0.000	0.000	-0.000	0.000	0.000
161	2	2.652	-2.277	0.000	0.000	-0.000	0.000	0.000
161	2	3.094	-2.277	0.000	0.000	-0.000	0.000	0.000
161	2	3.536	-2.277	0.000	0.000	-0.000	0.000	0.000
174	9	0.000	-0.274	-0.003	-0.001	0.001	0.001	0.003
174	9	0.249	-0.273	-0.003	-0.001	0.001	0.001	0.002
174	9	0.497	-0.273	-0.003	-0.001	0.001	0.001	0.001
174	9	0.746	-0.272	-0.003	-0.001	0.001	0.000	0.000
174	9	0.994	-0.272	-0.003	-0.001	0.001	0.000	-0.001
174	9	1.243	-0.272	-0.003	-0.001	0.001	-0.000	-0.001
174	9	1.491	-0.271	-0.003	-0.001	0.001	-0.001	-0.002
174	9	1.740	-0.271	-0.003	-0.001	0.001	-0.001	-0.003
174	9	1.988	-0.270	-0.003	-0.001	0.001	-0.001	-0.004
177	9	0.000	-0.246	-0.006	0.002	0.002	-0.002	0.007
177	9	0.249	-0.245	-0.006	0.002	0.002	-0.002	0.006
177	9	0.497	-0.245	-0.006	0.002	0.002	-0.001	0.004
177	9	0.746	-0.245	-0.006	0.002	0.002	-0.001	0.002
177	9	0.994	-0.244	-0.006	0.002	0.002	-0.000	0.001
177	9	1.243	-0.244	-0.006	0.002	0.002	0.000	-0.001
177	9	1.491	-0.243	-0.006	0.002	0.002	0.001	-0.002
177	9	1.740	-0.243	-0.006	0.002	0.002	0.001	-0.004
177	9	1.988	-0.242	-0.006	0.002	0.002	0.002	-0.005
181	9	0.000	-0.243	0.006	-0.002	0.002	0.002	-0.008
181	9	0.249	-0.243	0.006	-0.002	0.002	0.001	-0.006
181	9	0.497	-0.242	0.006	-0.002	0.002	0.001	-0.004
181	9	0.746	-0.242	0.006	-0.002	0.002	0.001	-0.003
181	9	0.994	-0.241	0.006	-0.002	0.002	0.000	-0.001
181	9	1.243	-0.241	0.006	-0.002	0.002	-0.000	0.000
181	9	1.491	-0.241	0.006	-0.002	0.002	-0.001	0.002
181	9	1.740	-0.240	0.006	-0.002	0.002	-0.001	0.004
181	9	1.988	-0.240	0.006	-0.002	0.002	-0.002	0.005
184	9	0.000	-0.276	0.003	0.001	0.001	-0.001	-0.002
184	9	0.249	-0.276	0.003	0.001	0.001	-0.001	-0.001
184	9	0.497	-0.275	0.003	0.001	0.001	-0.001	-0.001
184	9	0.746	-0.275	0.003	0.001	0.001	-0.001	-0.000
184	9	0.994	-0.275	0.003	0.001	0.001	-0.000	0.001
184	9	1.243	-0.274	0.003	0.001	0.001	-0.000	0.001
184	9	1.491	-0.274	0.003	0.001	0.001	0.000	0.002
184	9	1.740	-0.273	0.003	0.001	0.001	0.000	0.003
184	9	1.988	-0.273	0.003	0.001	0.001	0.001	0.003
187	9	0.000	0.030	-0.005	-0.002	-0.000	-0.000	0.007
187	9	0.375	0.030	-0.005	-0.001	-0.000	-0.001	0.005
187	9	0.750	0.030	-0.005	-0.000	-0.000	-0.001	0.004
187	9	1.125	0.030	-0.005	0.000	-0.000	-0.001	0.002
187	9	1.500	0.030	-0.005	0.001	-0.000	-0.001	0.000
187	9	1.875	0.030	-0.005	0.002	-0.000	-0.000	-0.002
187	9	2.250	0.030	-0.005	0.002	-0.000	0.000	-0.003
187	9	2.625	0.030	-0.005	0.003	-0.000	0.001	-0.005

187	9	3.000	0.030	-0.005	0.004	-0.000	0.002	-0.007
189	9	0.000	-0.038	-0.006	-0.003	0.000	0.002	0.009
189	9	0.375	-0.038	-0.006	-0.003	0.000	0.001	0.007
189	9	0.750	-0.038	-0.006	-0.002	0.000	0.000	0.004
189	9	1.125	-0.038	-0.006	-0.001	0.000	-0.000	0.002
189	9	1.500	-0.038	-0.006	-0.001	0.000	-0.001	-0.000
189	9	1.875	-0.038	-0.006	-0.000	0.000	-0.001	-0.002
189	9	2.250	-0.038	-0.006	0.001	0.000	-0.001	-0.005
189	9	2.625	-0.038	-0.006	0.001	0.000	-0.000	-0.007
189	9	3.000	-0.038	-0.006	0.002	0.000	0.000	-0.009
192	9	0.000	-0.033	-0.005	-0.002	-0.000	0.001	0.007
192	9	0.375	-0.033	-0.005	-0.002	-0.000	0.000	0.005
192	9	0.750	-0.033	-0.005	-0.001	-0.000	-0.000	0.004
192	9	1.125	-0.033	-0.005	-0.000	-0.000	-0.001	0.002
192	9	1.500	-0.033	-0.005	0.000	-0.000	-0.001	0.000
192	9	1.875	-0.033	-0.005	0.001	-0.000	-0.000	-0.002
192	9	2.250	-0.033	-0.005	0.002	-0.000	0.000	-0.003
192	9	2.625	-0.033	-0.005	0.002	-0.000	0.001	-0.005
192	9	3.000	-0.033	-0.005	0.003	-0.000	0.002	-0.007
194	9	0.000	0.040	-0.006	-0.003	0.001	0.002	0.009
194	9	0.375	0.040	-0.006	-0.003	0.001	0.001	0.007
194	9	0.750	0.040	-0.006	-0.002	0.001	0.000	0.005
194	9	1.125	0.040	-0.006	-0.001	0.001	-0.001	0.002
194	9	1.500	0.040	-0.006	-0.001	0.001	-0.001	-0.000
194	9	1.875	0.040	-0.006	0.000	0.001	-0.001	-0.002
194	9	2.250	0.040	-0.006	0.001	0.001	-0.001	-0.005
194	9	2.625	0.040	-0.006	0.001	0.001	-0.000	-0.007
194	9	3.000	0.040	-0.006	0.002	0.001	0.000	-0.010
197	9	0.000	-0.000	-0.030	0.014	-0.001	-0.003	0.009
197	9	0.072	-0.000	-0.030	0.014	-0.001	-0.002	0.006
197	9	0.145	-0.000	-0.030	0.014	-0.001	-0.001	0.004
197	9	0.217	-0.000	-0.030	0.014	-0.001	-0.000	0.002
197	9	0.290	-0.000	-0.030	0.013	-0.001	0.001	-0.000
197	9	0.362	-0.000	-0.030	0.013	-0.001	0.002	-0.002
197	9	0.435	-0.000	-0.030	0.013	-0.001	0.003	-0.004
197	9	0.507	-0.000	-0.030	0.013	-0.001	0.004	-0.007
197	9	0.580	-0.000	-0.030	0.013	-0.001	0.005	-0.009
198	9	0.000	-0.184	-0.055	0.002	0.000	-0.000	0.016
198	9	0.072	-0.184	-0.055	0.002	0.000	-0.000	0.012
198	9	0.145	-0.184	-0.055	0.002	0.000	-0.000	0.008
198	9	0.217	-0.184	-0.055	0.002	0.000	0.000	0.004
198	9	0.290	-0.184	-0.055	0.002	0.000	0.000	-0.000
198	9	0.362	-0.184	-0.055	0.002	0.000	0.000	-0.004
198	9	0.435	-0.184	-0.055	0.001	0.000	0.000	-0.008
198	9	0.507	-0.184	-0.055	0.001	0.000	0.000	-0.012
198	9	0.580	-0.184	-0.055	0.001	0.000	0.001	-0.016
199	9	0.000	-0.000	-0.037	-0.017	-0.001	0.006	0.011
199	9	0.072	-0.000	-0.037	-0.017	-0.001	0.005	0.008
199	9	0.145	-0.000	-0.037	-0.017	-0.001	0.004	0.006
199	9	0.217	-0.000	-0.037	-0.018	-0.001	0.002	0.003
199	9	0.290	-0.000	-0.037	-0.018	-0.001	0.001	0.000
199	9	0.362	-0.000	-0.037	-0.018	-0.001	0.000	-0.003
199	9	0.435	-0.000	-0.037	-0.018	-0.001	-0.002	-0.005
199	9	0.507	-0.000	-0.037	-0.018	-0.001	-0.003	-0.008
199	9	0.580	-0.000	-0.037	-0.018	-0.001	-0.004	-0.011
203	1	0.000	-0.779	0.068	0.131	0.000	-0.123	-0.059
203	1	0.189	-0.779	0.068	0.129	0.000	-0.098	-0.047
203	1	0.378	-0.779	0.068	0.128	0.000	-0.074	-0.034
203	1	0.566	-0.779	0.068	0.126	0.000	-0.050	-0.021
203	1	0.755	-0.779	0.068	0.124	0.000	-0.027	-0.008
203	1	0.944	-0.779	0.068	0.123	0.000	-0.003	0.005
203	1	1.133	-0.779	0.068	0.121	0.000	0.020	0.018
203	1	1.321	-0.779	0.068	0.120	0.000	0.042	0.031
203	1	1.510	-0.779	0.068	0.118	0.000	0.065	0.044
207	1	0.000	2.110	-0.112	0.156	0.000	-0.180	0.033
207	1	0.189	2.110	-0.112	0.155	0.000	-0.151	0.012
207	1	0.378	2.110	-0.112	0.153	0.000	-0.122	-0.009
207	1	0.566	2.110	-0.112	0.151	0.000	-0.093	-0.030
207	1	0.755	2.110	-0.112	0.150	0.000	-0.064	-0.052
207	1	0.944	2.110	-0.112	0.148	0.000	-0.036	-0.073
207	1	1.133	2.110	-0.112	0.147	0.000	-0.008	-0.094
207	1	1.321	2.110	-0.112	0.145	0.000	0.019	-0.115
207	1	1.510	2.110	-0.112	0.144	0.000	0.046	-0.136
214	2	0.000	-0.217	0.000	0.000	0.000	0.000	0.000
214	2	0.450	-0.217	0.000	0.000	0.000	0.000	0.000
214	2	0.900	-0.217	0.000	0.000	0.000	0.000	0.000
214	2	1.350	-0.217	0.000	0.000	0.000	0.000	0.000
214	2	1.799	-0.217	0.000	0.000	0.000	0.000	0.000
214	2	2.249	-0.217	0.000	0.000	0.000	0.000	0.000

214	2	2.699	-0.217	0.000	0.000	0.000	0.000	0.000
214	2	3.149	-0.217	0.000	0.000	0.000	0.000	0.000
214	2	3.599	-0.217	0.000	0.000	0.000	0.000	0.000
217	2	0.000	-0.195	0.000	0.000	0.000	0.000	0.000
217	2	0.450	-0.195	0.000	0.000	0.000	0.000	0.000
217	2	0.900	-0.195	0.000	0.000	0.000	0.000	0.000
217	2	1.350	-0.195	0.000	0.000	0.000	0.000	0.000
217	2	1.799	-0.195	0.000	0.000	0.000	0.000	0.000
217	2	2.249	-0.195	0.000	0.000	0.000	0.000	0.000
217	2	2.699	-0.195	0.000	0.000	0.000	0.000	0.000
217	2	3.149	-0.195	0.000	0.000	0.000	0.000	0.000
217	2	3.599	-0.195	0.000	0.000	0.000	0.000	0.000
225	2	0.000	-0.371	0.000	0.000	-0.000	0.000	0.000
225	2	0.429	-0.371	0.000	0.000	-0.000	0.000	0.000
225	2	0.858	-0.371	0.000	0.000	-0.000	0.000	0.000
225	2	1.287	-0.371	0.000	0.000	-0.000	0.000	0.000
225	2	1.716	-0.371	0.000	0.000	-0.000	0.000	0.000
225	2	2.144	-0.371	0.000	0.000	-0.000	0.000	0.000
225	2	2.573	-0.371	0.000	0.000	-0.000	0.000	0.000
225	2	3.002	-0.371	0.000	0.000	-0.000	0.000	0.000
225	2	3.431	-0.371	0.000	0.000	-0.000	0.000	0.000
226	2	0.000	-0.029	0.000	0.000	0.000	0.000	0.000
226	2	0.429	-0.029	0.000	0.000	0.000	0.000	0.000
226	2	0.858	-0.029	0.000	0.000	0.000	0.000	0.000
226	2	1.287	-0.029	0.000	0.000	0.000	0.000	0.000
226	2	1.716	-0.029	0.000	0.000	0.000	0.000	0.000
226	2	2.144	-0.029	0.000	0.000	0.000	0.000	0.000
226	2	2.573	-0.029	0.000	0.000	0.000	0.000	0.000
226	2	3.002	-0.029	0.000	0.000	0.000	0.000	0.000
226	2	3.431	-0.029	0.000	0.000	0.000	0.000	0.000
1000	6	0.000	-0.156	0.221	0.200	-0.000	-0.001	-0.022
1000	6	0.025	-0.156	0.221	0.200	-0.000	0.004	-0.017
1000	6	0.050	-0.156	0.221	0.200	-0.000	0.009	-0.011
1000	6	0.075	-0.156	0.221	0.200	-0.000	0.014	-0.006
1000	6	0.100	-0.156	0.221	0.200	-0.000	0.019	-0.000
1000	6	0.125	-0.156	0.221	0.200	-0.000	0.024	0.005
1000	6	0.150	-0.156	0.221	0.200	-0.000	0.029	0.011
1000	6	0.175	-0.156	0.221	0.200	-0.000	0.034	0.016
1000	6	0.200	-0.156	0.221	0.200	-0.000	0.039	0.022
1001	6	0.000	-0.075	-0.445	0.013	-0.000	-0.001	0.045
1001	6	0.025	-0.075	-0.445	0.013	-0.000	-0.000	0.033
1001	6	0.050	-0.075	-0.445	0.013	-0.000	0.000	0.022
1001	6	0.075	-0.075	-0.445	0.013	-0.000	0.000	0.011
1001	6	0.100	-0.075	-0.445	0.013	-0.000	0.001	0.000
1001	6	0.125	-0.075	-0.445	0.013	-0.000	0.001	-0.011
1001	6	0.150	-0.075	-0.445	0.013	-0.000	0.001	-0.022
1001	6	0.175	-0.075	-0.445	0.013	-0.000	0.002	-0.033
1001	6	0.200	-0.075	-0.445	0.013	-0.000	0.002	-0.045
1002	6	0.000	-0.005	0.907	-0.318	0.000	0.032	-0.091
1002	6	0.025	-0.005	0.907	-0.318	0.000	0.024	-0.068
1002	6	0.050	-0.005	0.907	-0.318	0.000	0.016	-0.045
1002	6	0.075	-0.005	0.907	-0.318	0.000	0.008	-0.023
1002	6	0.100	-0.005	0.907	-0.318	0.000	0.000	0.000
1002	6	0.125	-0.005	0.907	-0.318	0.000	-0.008	0.023
1002	6	0.150	-0.005	0.907	-0.318	0.000	-0.016	0.045
1002	6	0.175	-0.005	0.907	-0.318	0.000	-0.024	0.068
1002	6	0.200	-0.005	0.907	-0.318	0.000	-0.032	0.091
1003	6	0.000	-0.146	-0.454	-0.532	-0.000	0.071	0.045
1003	6	0.025	-0.146	-0.454	-0.532	-0.000	0.058	0.034
1003	6	0.050	-0.146	-0.454	-0.532	-0.000	0.045	0.022
1003	6	0.075	-0.146	-0.454	-0.532	-0.000	0.031	0.011
1003	6	0.100	-0.146	-0.454	-0.532	-0.000	0.018	-0.000
1003	6	0.125	-0.146	-0.454	-0.532	-0.000	0.005	-0.012
1003	6	0.150	-0.146	-0.454	-0.532	-0.000	-0.008	-0.023
1003	6	0.175	-0.146	-0.454	-0.532	-0.000	-0.022	-0.034
1003	6	0.200	-0.146	-0.454	-0.532	-0.000	-0.035	-0.046
1004	6	0.000	-0.002	0.220	-0.392	0.000	0.039	-0.022
1004	6	0.025	-0.002	0.220	-0.392	0.000	0.029	-0.017
1004	6	0.050	-0.002	0.220	-0.392	0.000	0.020	-0.011
1004	6	0.075	-0.002	0.220	-0.392	0.000	0.010	-0.006
1004	6	0.100	-0.002	0.220	-0.392	0.000	0.000	-0.000
1004	6	0.125	-0.002	0.220	-0.392	0.000	-0.010	0.006
1004	6	0.150	-0.002	0.220	-0.392	0.000	-0.020	0.011
1004	6	0.175	-0.002	0.220	-0.392	0.000	-0.029	0.017
1004	6	0.200	-0.002	0.220	-0.392	0.000	-0.039	0.022
1005	6	0.000	-0.068	-0.445	-0.021	0.000	0.002	0.045
1005	6	0.025	-0.068	-0.445	-0.021	0.000	0.002	0.033
1005	6	0.050	-0.068	-0.445	-0.021	0.000	0.001	0.022
1005	6	0.075	-0.068	-0.445	-0.021	0.000	0.001	0.011

1005	6	0.100	-0.068	-0.445	-0.021	0.000	0.000	0.000
1005	6	0.125	-0.068	-0.445	-0.021	0.000	-0.000	-0.011
1005	6	0.150	-0.068	-0.445	-0.021	0.000	-0.001	-0.022
1005	6	0.175	-0.068	-0.445	-0.021	0.000	-0.002	-0.033
1005	6	0.200	-0.068	-0.445	-0.021	0.000	-0.002	-0.045
1006	6	0.000	-0.003	0.907	0.316	0.000	-0.032	-0.091
1006	6	0.025	-0.003	0.907	0.316	0.000	-0.024	-0.068
1006	6	0.050	-0.003	0.907	0.316	0.000	-0.016	-0.045
1006	6	0.075	-0.003	0.907	0.316	0.000	-0.008	-0.023
1006	6	0.100	-0.003	0.907	0.316	0.000	0.000	0.000
1006	6	0.125	-0.003	0.907	0.316	0.000	0.008	0.023
1006	6	0.150	-0.003	0.907	0.316	0.000	0.016	0.045
1006	6	0.175	-0.003	0.907	0.316	0.000	0.024	0.068
1006	6	0.200	-0.003	0.907	0.316	0.000	0.032	0.091
1007	6	0.000	-0.001	-0.458	0.351	0.000	-0.035	0.046
1007	6	0.025	-0.001	-0.458	0.351	0.000	-0.026	0.034
1007	6	0.050	-0.001	-0.458	0.351	0.000	-0.018	0.023
1007	6	0.075	-0.001	-0.458	0.351	0.000	-0.009	0.011
1007	6	0.100	-0.001	-0.458	0.351	0.000	-0.000	-0.000
1007	6	0.125	-0.001	-0.458	0.351	0.000	0.009	-0.011
1007	6	0.150	-0.001	-0.458	0.351	0.000	0.018	-0.023
1007	6	0.175	-0.001	-0.458	0.351	0.000	0.026	-0.034
1007	6	0.200	-0.001	-0.458	0.351	0.000	0.035	-0.046
1008	6	0.000	-0.082	-0.277	-0.002	-0.000	-0.001	0.030
1008	6	0.025	-0.082	-0.277	-0.002	-0.000	-0.001	0.023
1008	6	0.050	-0.082	-0.277	-0.002	-0.000	-0.001	0.016
1008	6	0.075	-0.082	-0.277	-0.002	-0.000	-0.001	0.009
1008	6	0.100	-0.082	-0.277	-0.002	-0.000	-0.001	0.002
1008	6	0.125	-0.082	-0.277	-0.002	-0.000	-0.001	-0.005
1008	6	0.150	-0.082	-0.277	-0.002	-0.000	-0.001	-0.012
1008	6	0.175	-0.082	-0.277	-0.002	-0.000	-0.001	-0.019
1008	6	0.200	-0.082	-0.277	-0.002	-0.000	-0.001	-0.026
1009	6	0.000	-0.252	0.095	0.371	0.000	-0.047	0.037
1009	6	0.025	-0.252	0.095	0.371	0.000	-0.038	-0.035
1009	6	0.050	-0.252	0.095	0.371	0.000	-0.029	-0.032
1009	6	0.075	-0.252	0.095	0.371	0.000	-0.019	-0.030
1009	6	0.100	-0.252	0.095	0.371	0.000	-0.010	-0.027
1009	6	0.125	-0.252	0.095	0.371	0.000	-0.001	-0.025
1009	6	0.150	-0.252	0.095	0.371	0.000	0.009	-0.023
1009	6	0.175	-0.252	0.095	0.371	0.000	0.018	-0.020
1009	6	0.200	-0.252	0.095	0.371	0.000	0.027	-0.018
1010	6	0.000	-0.244	-1.175	0.683	0.000	-0.059	0.144
1010	6	0.025	-0.244	-1.175	0.683	0.000	-0.042	0.115
1010	6	0.050	-0.244	-1.175	0.683	0.000	-0.025	0.085
1010	6	0.075	-0.244	-1.175	0.683	0.000	-0.008	0.056
1010	6	0.100	-0.244	-1.175	0.683	0.000	0.009	0.026
1010	6	0.125	-0.244	-1.175	0.683	0.000	0.026	-0.003
1010	6	0.150	-0.244	-1.175	0.683	0.000	0.043	-0.032
1010	6	0.175	-0.244	-1.175	0.683	0.000	0.060	-0.062
1010	6	0.200	-0.244	-1.175	0.683	0.000	0.078	-0.091
1011	6	0.000	-0.022	0.815	0.381	-0.000	-0.037	-0.084
1011	6	0.025	-0.022	0.815	0.381	-0.000	-0.028	-0.063
1011	6	0.050	-0.022	0.815	0.381	-0.000	-0.018	-0.043
1011	6	0.075	-0.022	0.815	0.381	-0.000	-0.009	-0.022
1011	6	0.100	-0.022	0.815	0.381	-0.000	0.001	-0.002
1011	6	0.125	-0.022	0.815	0.381	-0.000	0.010	0.018
1011	6	0.150	-0.022	0.815	0.381	-0.000	0.020	0.039
1011	6	0.175	-0.022	0.815	0.381	-0.000	0.029	0.059
1011	6	0.200	-0.022	0.815	0.381	-0.000	0.039	0.079

Load Combination #25: LC-FLIGHT-FORWARD-X-3P0-CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200-V125-PX-DATUM
= (SW1) + (FLIGHT KEEL MASS CORRECTION) + (FLIGHT ENVELOPE_NET_521P63KG) + (MASS_MAIN_PROPULSION) + (MASS_MAIN_HV_HARNESS) + (MASS_KEEL_VECTOR AND HARNESS) + (MASS_AVIONICS_REAR) + (MASS_TANK_STRUCTURE) + (MASS_BALLAST_NOMINAL_40KG) + (MASS SAFETY REAR) + (MASS_FIRST_FLIGHT PAYLOAD REAR) + (MASS STRUCTURAL PROXY RECONCILIATION) + (MASS_BATTERY OVERHEAD FIXED REAR) + (MASS_BATTERY_FORWARD_100KG) + (CTRL_FULL_10DEG_FWD_UP_OFFSET_Z-0P200) + (V124_GONDOLA_UNRESOLVED_MASS_ALLOWANCE) + (V118_PX_FRONT_PAIRIED_BALANCE)

Zero Factor Load Groups in this Combination:

G_CENTRAL_EQUIV
G_NACELLE
G_FRONT_PROP_RESERVE
G_TAIL_VECTOR_RESERVE
FLIGHT_ENVELOPE_NET
FLIGHT_GONDOLA_TRIM
G_TANK_STRUCTURE
TRIM_RELIEF_TANK_STRUCTURE
BALLAST_NOMINAL_40KG
TRIM_RELIEF_BALLAST_NOMINAL
BALLAST_MAX_120KG
TRIM_RELIEF_BALLAST_MAX
G_BATTERY_REAR_100KG
TRIM_RELIEF_BATTERY_REAR
MASS_BATTERY_AND_OVERHEAD_REAR
THRUST_FWD_NEG_X
THRUST_VEC_45_FWD_DOWN_NEG_X
MASS_BATTERY_REAR_100KG
MASS_BATTERY_TARGET_100KG
MASS_BATTERY_RAIL_REAR_100KG
THRUST_VEC_45_FWD_DOWN_NEG_X_OFFSET_Z-0P200
THRUST_VEC_45_FWD_UP_NEG_X_OFFSET_Z-0P200
CTRL_FULL_10DEG_FWD_DOWN_OFFSET_Z-0P200
CTRL_25PCT_45DEG_FWD_DOWN_OFFSET_Z-0P200
CTRL_25PCT_45DEG_FWD_UP_OFFSET_Z-0P200
DOWN_SYM
FWD_SYM
LG
MASS_BATTERY_RAIL_TARGET
ROLL_DIFF
TAIL_VECTOR_DOWN_400N_EACH
TAIL_VECTOR_UP_400N_EACH
UP_SYM
VEC_45_FWD_DOWN

INTERNAL MEMBER FORCES AND MOMENTS (m, kN, kN-m)

Maximum value of a result in the member/plate.

Minimum value of a result in the member/plate.

Member	Section	Station Location	Axial Force	Shear Y	Shear Z	Torsion X	Moment Y	Moment Z
1	3	0.000	-0.023	1.095	0.298	0.215	-0.104	-0.017
1	3	0.125	-0.023	1.095	0.296	0.215	-0.067	0.120
1	3	0.250	-0.023	1.095	0.294	0.215	-0.030	0.257
1	3	0.375	-0.023	1.095	0.292	0.215	0.007	0.393
1	3	0.500	-0.023	1.095	0.290	0.215	0.043	0.530
1	3	0.625	-0.023	1.095	0.289	0.215	0.079	0.667
1	3	0.750	-0.023	1.095	0.287	0.215	0.115	0.804
1	3	0.875	-0.023	1.095	0.285	0.215	0.151	0.941
1	3	1.000	-0.023	1.095	0.283	0.215	0.187	1.077
2	1	0.000	-0.526	-0.032	0.213	0.000	-0.117	0.026
2	1	0.189	-0.526	-0.032	0.211	0.000	-0.077	0.019
2	1	0.378	-0.526	-0.032	0.210	0.000	-0.037	0.013
2	1	0.566	-0.526	-0.032	0.208	0.000	0.003	0.007
2	1	0.755	-0.526	-0.032	0.206	0.000	0.042	0.001
2	1	0.944	-0.526	-0.032	0.205	0.000	0.080	-0.005
2	1	1.133	-0.526	-0.032	0.203	0.000	0.119	-0.011
2	1	1.321	-0.526	-0.032	0.202	0.000	0.157	-0.017
2	1	1.510	-0.526	-0.032	0.200	0.000	0.195	-0.023
3	1	0.000	-0.527	0.019	-0.476	0.001	0.196	-0.018

3	1	0.036	-0.527	0.019	-0.476	0.001	0.179	-0.017
3	1	0.072	-0.527	0.019	-0.476	0.001	0.162	-0.016
3	1	0.109	-0.527	0.019	-0.477	0.001	0.144	-0.015
3	1	0.145	-0.527	0.019	-0.477	0.001	0.127	-0.015
3	1	0.181	-0.527	0.019	-0.477	0.001	0.110	-0.014
3	1	0.217	-0.527	0.019	-0.478	0.001	0.093	-0.013
3	1	0.254	-0.527	0.019	-0.478	0.001	0.075	-0.013
3	1	0.290	-0.527	0.019	-0.478	0.001	0.058	-0.012
5	3	0.000	2.529	0.464	0.052	-0.208	0.004	-0.003
5	3	0.287	2.529	0.464	0.048	-0.208	0.019	0.130
5	3	0.575	2.529	0.464	0.044	-0.208	0.032	0.264
5	3	0.863	2.529	0.464	0.040	-0.208	0.044	0.397
5	3	1.150	2.529	0.464	0.035	-0.208	0.055	0.531
5	3	1.438	2.529	0.464	0.031	-0.208	0.064	0.664
5	3	1.725	2.529	0.464	0.027	-0.208	0.073	0.798
5	3	2.012	2.529	0.464	0.023	-0.208	0.080	0.931
5	3	2.300	2.529	0.464	0.019	-0.208	0.086	1.065
6	3	0.000	2.218	-0.460	-0.112	0.215	0.080	1.058
6	3	0.287	2.218	-0.460	-0.116	0.215	0.047	0.926
6	3	0.575	2.218	-0.460	-0.120	0.215	0.013	0.793
6	3	0.863	2.218	-0.460	-0.124	0.215	-0.022	0.661
6	3	1.150	2.218	-0.460	-0.129	0.215	-0.059	0.529
6	3	1.438	2.218	-0.460	-0.133	0.215	-0.096	0.396
6	3	1.725	2.218	-0.460	-0.137	0.215	-0.135	0.264
6	3	2.012	2.218	-0.460	-0.141	0.215	-0.175	0.132
6	3	2.300	2.218	-0.460	-0.145	0.215	-0.216	-0.001
7	3	0.000	-0.027	-1.002	-0.203	-0.209	0.147	1.036
7	3	0.125	-0.027	-1.002	-0.205	-0.209	0.121	0.910
7	3	0.250	-0.027	-1.002	-0.207	-0.209	0.095	0.785
7	3	0.375	-0.027	-1.002	-0.208	-0.209	0.069	0.660
7	3	0.500	-0.027	-1.002	-0.210	-0.209	0.043	0.534
7	3	0.625	-0.027	-1.002	-0.212	-0.209	0.017	0.409
7	3	0.750	-0.027	-1.002	-0.214	-0.209	-0.010	0.284
7	3	0.875	-0.027	-1.002	-0.216	-0.209	-0.037	0.159
7	3	1.000	-0.027	-1.002	-0.217	-0.209	-0.064	0.033
8	1	0.000	0.717	0.008	0.005	-0.000	-0.011	-0.020
8	1	0.287	0.715	0.008	0.005	-0.000	-0.010	-0.017
8	1	0.575	0.712	0.008	0.005	-0.000	-0.008	-0.015
8	1	0.863	0.710	0.008	0.005	-0.000	-0.007	-0.012
8	1	1.150	0.708	0.008	0.005	-0.000	-0.006	-0.010
8	1	1.438	0.705	0.008	0.005	-0.000	-0.004	-0.007
8	1	1.725	0.703	0.008	0.005	-0.000	-0.003	-0.005
8	1	2.012	0.700	0.008	0.005	-0.000	-0.002	-0.002
8	1	2.300	0.698	0.008	0.005	-0.000	-0.000	0.000
9	1	0.000	0.611	-0.044	0.001	-0.001	-0.003	0.070
9	1	0.287	0.613	-0.044	0.001	-0.001	-0.003	0.058
9	1	0.575	0.616	-0.044	0.001	-0.001	-0.002	0.045
9	1	0.863	0.618	-0.044	0.001	-0.001	-0.002	0.032
9	1	1.150	0.621	-0.044	0.001	-0.001	-0.002	0.020
9	1	1.438	0.623	-0.044	0.001	-0.001	-0.002	0.007
9	1	1.725	0.625	-0.044	0.001	-0.001	-0.001	-0.006
9	1	2.012	0.628	-0.044	0.001	-0.001	-0.001	-0.018
9	1	2.300	0.630	-0.044	0.001	-0.001	-0.001	-0.031
10	1	0.000	1.179	0.016	0.001	-0.000	-0.000	-0.037
10	1	0.287	1.177	0.016	0.001	-0.000	-0.000	-0.032
10	1	0.575	1.175	0.016	0.001	-0.000	0.000	-0.028
10	1	0.863	1.172	0.016	0.001	-0.000	0.000	-0.023
10	1	1.150	1.170	0.016	0.001	-0.000	0.001	-0.018
10	1	1.438	1.167	0.016	0.001	-0.000	0.001	-0.013
10	1	1.725	1.165	0.016	0.001	-0.000	0.001	-0.009
10	1	2.012	1.163	0.016	0.001	-0.000	0.002	-0.004
10	1	2.300	1.160	0.016	0.001	-0.000	0.002	0.001
11	1	0.000	1.004	0.040	-0.040	-0.027	0.023	-0.045
11	1	0.287	1.006	0.040	-0.040	-0.027	0.012	-0.033
11	1	0.575	1.009	0.040	-0.040	-0.027	0.000	-0.022
11	1	0.863	1.011	0.040	-0.040	-0.027	-0.011	-0.011
11	1	1.150	1.014	0.040	-0.040	-0.027	-0.023	0.001
11	1	1.438	1.016	0.040	-0.040	-0.027	-0.034	0.012
11	1	1.725	1.018	0.040	-0.040	-0.027	-0.045	0.024
11	1	2.012	1.021	0.040	-0.040	-0.027	-0.057	0.035
11	1	2.300	1.023	0.040	-0.040	-0.027	-0.068	0.047
12	2	0.000	-0.422	0.000	0.000	-0.000	0.000	0.000
12	2	0.442	-0.422	0.000	0.000	-0.000	0.000	0.000
12	2	0.884	-0.422	0.000	0.000	-0.000	0.000	0.000
12	2	1.326	-0.422	0.000	0.000	-0.000	0.000	0.000
12	2	1.768	-0.422	0.000	0.000	-0.000	0.000	0.000
12	2	2.210	-0.422	0.000	0.000	-0.000	0.000	0.000
12	2	2.652	-0.422	0.000	0.000	-0.000	0.000	0.000
12	2	3.094	-0.422	0.000	0.000	-0.000	0.000	0.000
12	2	3.536	-0.422	0.000	0.000	-0.000	0.000	0.000

13	2	0.000	-0.630	0.000	0.000	0.000	0.000	0.000
13	2	0.460	-0.630	0.000	0.000	0.000	0.000	0.000
13	2	0.920	-0.630	0.000	0.000	0.000	0.000	0.000
13	2	1.379	-0.630	0.000	0.000	0.000	0.000	0.000
13	2	1.839	-0.630	0.000	0.000	0.000	0.000	0.000
13	2	2.299	-0.630	0.000	0.000	0.000	0.000	0.000
13	2	2.759	-0.630	0.000	0.000	0.000	0.000	0.000
13	2	3.219	-0.630	0.000	0.000	0.000	0.000	0.000
13	2	3.678	-0.630	0.000	0.000	0.000	0.000	0.000
14	2	0.000	-0.724	0.000	0.000	0.000	0.000	0.000
14	2	0.442	-0.724	0.000	0.000	0.000	0.000	0.000
14	2	0.884	-0.724	0.000	0.000	0.000	0.000	0.000
14	2	1.326	-0.724	0.000	0.000	0.000	0.000	0.000
14	2	1.768	-0.724	0.000	0.000	0.000	0.000	0.000
14	2	2.210	-0.724	0.000	0.000	0.000	0.000	0.000
14	2	2.652	-0.724	0.000	0.000	0.000	0.000	0.000
14	2	3.094	-0.724	0.000	0.000	0.000	0.000	0.000
14	2	3.536	-0.724	0.000	0.000	0.000	0.000	0.000
15	2	0.000	-0.789	0.000	0.000	-0.000	0.000	0.000
15	2	0.460	-0.789	0.000	0.000	-0.000	0.000	0.000
15	2	0.920	-0.789	0.000	0.000	-0.000	0.000	0.000
15	2	1.379	-0.789	0.000	0.000	-0.000	0.000	0.000
15	2	1.839	-0.789	0.000	0.000	-0.000	0.000	0.000
15	2	2.299	-0.789	0.000	0.000	-0.000	0.000	0.000
15	2	2.759	-0.789	0.000	0.000	-0.000	0.000	0.000
15	2	3.219	-0.789	0.000	0.000	-0.000	0.000	0.000
15	2	3.678	-0.789	0.000	0.000	-0.000	0.000	0.000
16	1	0.000	-0.161	0.013	0.365	0.001	0.081	-0.001
16	1	0.036	-0.161	0.013	0.364	0.001	0.094	0.000
16	1	0.072	-0.161	0.013	0.364	0.001	0.107	0.000
16	1	0.109	-0.161	0.013	0.364	0.001	0.121	0.001
16	1	0.145	-0.161	0.013	0.363	0.001	0.134	0.001
16	1	0.181	-0.161	0.013	0.363	0.001	0.147	0.002
16	1	0.217	-0.161	0.013	0.363	0.001	0.160	0.002
16	1	0.254	-0.161	0.013	0.363	0.001	0.173	0.003
16	1	0.290	-0.161	0.013	0.362	0.001	0.186	0.003
17	2	0.000	-0.253	0.000	0.000	0.000	0.000	0.000
17	2	0.394	-0.253	0.000	0.000	0.000	0.000	0.000
17	2	0.789	-0.253	0.000	0.000	0.000	0.000	0.000
17	2	1.183	-0.253	0.000	0.000	0.000	0.000	0.000
17	2	1.578	-0.253	0.000	0.000	0.000	0.000	0.000
17	2	1.972	-0.253	0.000	0.000	0.000	0.000	0.000
17	2	2.367	-0.253	0.000	0.000	0.000	0.000	0.000
17	2	2.761	-0.253	0.000	0.000	0.000	0.000	0.000
17	2	3.156	-0.253	0.000	0.000	0.000	0.000	0.000
18	2	0.000	-0.507	0.000	0.000	0.000	0.000	0.000
18	2	0.219	-0.507	0.000	0.000	0.000	0.000	0.000
18	2	0.437	-0.507	0.000	0.000	0.000	0.000	0.000
18	2	0.656	-0.507	0.000	0.000	0.000	0.000	0.000
18	2	0.875	-0.507	0.000	0.000	0.000	0.000	0.000
18	2	1.093	-0.507	0.000	0.000	0.000	0.000	0.000
18	2	1.312	-0.507	0.000	0.000	0.000	0.000	0.000
18	2	1.530	-0.507	0.000	0.000	0.000	0.000	0.000
18	2	1.749	-0.507	0.000	0.000	0.000	0.000	0.000
19	2	0.000	-0.833	0.000	0.000	-0.000	0.000	0.000
19	2	0.394	-0.833	0.000	0.000	-0.000	0.000	0.000
19	2	0.789	-0.833	0.000	0.000	-0.000	0.000	0.000
19	2	1.183	-0.833	0.000	0.000	-0.000	0.000	0.000
19	2	1.578	-0.833	0.000	0.000	-0.000	0.000	0.000
19	2	1.972	-0.833	0.000	0.000	-0.000	0.000	0.000
19	2	2.367	-0.833	0.000	0.000	-0.000	0.000	0.000
19	2	2.761	-0.833	0.000	0.000	-0.000	0.000	0.000
19	2	3.156	-0.833	0.000	0.000	-0.000	0.000	0.000
20	2	0.000	-0.513	0.000	0.000	-0.000	0.000	0.000
20	2	0.219	-0.513	0.000	0.000	-0.000	0.000	0.000
20	2	0.437	-0.513	0.000	0.000	-0.000	0.000	0.000
20	2	0.656	-0.513	0.000	0.000	-0.000	0.000	0.000
20	2	0.875	-0.513	0.000	0.000	-0.000	0.000	0.000
20	2	1.093	-0.513	0.000	0.000	-0.000	0.000	0.000
20	2	1.312	-0.513	0.000	0.000	-0.000	0.000	0.000
20	2	1.530	-0.513	0.000	0.000	-0.000	0.000	0.000
20	2	1.749	-0.513	0.000	0.000	-0.000	0.000	0.000
24	2	0.000	-2.162	0.000	0.000	0.000	0.000	0.000
24	2	0.442	-2.162	0.000	0.000	0.000	0.000	0.000
24	2	0.884	-2.162	0.000	0.000	0.000	0.000	0.000
24	2	1.326	-2.162	0.000	0.000	0.000	0.000	0.000
24	2	1.768	-2.162	0.000	0.000	0.000	0.000	0.000
24	2	2.210	-2.162	0.000	0.000	0.000	0.000	0.000
24	2	2.652	-2.162	0.000	0.000	0.000	0.000	0.000

24	2	3.094	-2.162	0.000	0.000	0.000	0.000	0.000
24	2	3.536	-2.162	0.000	0.000	0.000	0.000	0.000
25	5	0.000	-0.835	1.209	0.012	-0.192	1.153	-3.677
25	5	0.063	-0.835	1.209	0.014	-0.192	1.153	-3.601
25	5	0.125	-0.835	1.209	0.016	-0.192	1.154	-3.526
25	5	0.188	-0.835	1.209	0.018	-0.192	1.155	-3.450
25	5	0.250	-0.835	1.209	0.020	-0.192	1.156	-3.375
25	5	0.313	-0.835	1.209	0.021	-0.192	1.158	-3.299
25	5	0.375	-0.835	1.209	0.023	-0.192	1.159	-3.224
25	5	0.438	-0.835	1.209	0.025	-0.192	1.161	-3.148
25	5	0.500	-0.835	1.209	0.027	-0.192	1.162	-3.072
26	5	0.000	1.736	1.500	0.500	-0.001	-1.504	-3.812
26	5	0.063	1.736	1.500	0.498	-0.001	-1.473	-3.718
26	5	0.125	1.736	1.500	0.496	-0.001	-1.442	-3.624
26	5	0.188	1.736	1.500	0.494	-0.001	-1.411	-3.530
26	5	0.250	1.736	1.500	0.492	-0.001	-1.380	-3.437
26	5	0.313	1.736	1.500	0.490	-0.001	-1.349	-3.343
26	5	0.375	1.736	1.500	0.488	-0.001	-1.319	-3.249
26	5	0.438	1.736	1.500	0.486	-0.001	-1.288	-3.155
26	5	0.500	1.736	1.500	0.484	-0.001	-1.258	-3.062
27	5	0.000	-0.835	-7.150	-4.643	-0.244	1.172	5.071
27	5	0.063	-0.835	-7.150	-4.641	-0.244	0.882	4.624
27	5	0.125	-0.835	-7.150	-4.639	-0.244	0.592	4.177
27	5	0.188	-0.835	-7.150	-4.637	-0.244	0.302	3.730
27	5	0.250	-0.835	-7.150	-4.635	-0.244	0.012	3.283
27	5	0.313	-0.835	-7.150	-4.633	-0.244	-0.278	2.836
27	5	0.375	-0.835	-7.150	-4.632	-0.244	-0.567	2.390
27	5	0.438	-0.835	-7.150	-4.630	-0.244	-0.857	1.943
27	5	0.500	-0.835	-7.150	-4.628	-0.244	-1.146	1.496
28	5	0.000	1.754	4.409	-5.254	0.013	1.126	2.341
28	5	0.063	1.754	4.409	-5.256	0.013	0.798	2.616
28	5	0.125	1.754	4.409	-5.258	0.013	0.469	2.892
28	5	0.188	1.754	4.409	-5.260	0.013	0.141	3.167
28	5	0.250	1.754	4.409	-5.262	0.013	-0.188	3.443
28	5	0.313	1.754	4.409	-5.263	0.013	-0.517	3.719
28	5	0.375	1.754	4.409	-5.265	0.013	-0.846	3.994
28	5	0.438	1.754	4.409	-5.267	0.013	-1.175	4.270
28	5	0.500	1.754	4.409	-5.269	0.013	-1.504	4.545
29	2	0.000	-2.165	0.000	0.000	-0.000	0.000	0.000
29	2	0.442	-2.165	0.000	0.000	-0.000	0.000	0.000
29	2	0.884	-2.165	0.000	0.000	-0.000	0.000	0.000
29	2	1.326	-2.165	0.000	0.000	-0.000	0.000	0.000
29	2	1.768	-2.165	0.000	0.000	-0.000	0.000	0.000
29	2	2.210	-2.165	0.000	0.000	-0.000	0.000	0.000
29	2	2.652	-2.165	0.000	0.000	-0.000	0.000	0.000
29	2	3.094	-2.165	0.000	0.000	-0.000	0.000	0.000
29	2	3.536	-2.165	0.000	0.000	-0.000	0.000	0.000
35	2	0.000	-0.304	0.000	0.000	-0.000	0.000	0.000
35	2	0.442	-0.304	0.000	0.000	-0.000	0.000	0.000
35	2	0.884	-0.304	0.000	0.000	-0.000	0.000	0.000
35	2	1.326	-0.304	0.000	0.000	-0.000	0.000	0.000
35	2	1.768	-0.304	0.000	0.000	-0.000	0.000	0.000
35	2	2.210	-0.304	0.000	0.000	-0.000	0.000	0.000
35	2	2.652	-0.304	0.000	0.000	-0.000	0.000	0.000
35	2	3.094	-0.304	0.000	0.000	-0.000	0.000	0.000
35	2	3.536	-0.304	0.000	0.000	-0.000	0.000	0.000
36	2	0.000	-0.005	0.000	0.000	0.000	0.000	0.000
36	2	0.442	-0.005	0.000	0.000	0.000	0.000	0.000
36	2	0.884	-0.005	0.000	0.000	0.000	0.000	0.000
36	2	1.326	-0.005	0.000	0.000	0.000	0.000	0.000
36	2	1.768	-0.005	0.000	0.000	0.000	0.000	0.000
36	2	2.210	-0.005	0.000	0.000	0.000	0.000	0.000
36	2	2.652	-0.005	0.000	0.000	0.000	0.000	0.000
36	2	3.094	-0.005	0.000	0.000	0.000	0.000	0.000
36	2	3.536	-0.005	0.000	0.000	0.000	0.000	0.000
40	2	0.000	-0.287	0.000	0.000	-0.000	0.000	0.000
40	2	0.442	-0.287	0.000	0.000	-0.000	0.000	0.000
40	2	0.884	-0.287	0.000	0.000	-0.000	0.000	0.000
40	2	1.326	-0.287	0.000	0.000	-0.000	0.000	0.000
40	2	1.768	-0.287	0.000	0.000	-0.000	0.000	0.000
40	2	2.210	-0.287	0.000	0.000	-0.000	0.000	0.000
40	2	2.652	-0.287	0.000	0.000	-0.000	0.000	0.000
40	2	3.094	-0.287	0.000	0.000	-0.000	0.000	0.000
40	2	3.536	-0.287	0.000	0.000	-0.000	0.000	0.000
41	3	0.000	-0.018	1.058	0.203	0.213	-0.056	0.002
41	3	0.125	-0.018	1.058	0.201	0.213	-0.031	0.135
41	3	0.250	-0.018	1.058	0.199	0.213	-0.006	0.267
41	3	0.375	-0.018	1.058	0.197	0.213	0.019	0.399
41	3	0.500	-0.018	1.058	0.196	0.213	0.044	0.531
41	3	0.625	-0.018	1.058	0.194	0.213	0.068	0.664

41	3	0.750	-0.018	1.058	0.192	0.213	0.092	0.796
41	3	0.875	-0.018	1.058	0.190	0.213	0.116	0.928
41	3	1.000	-0.018	1.058	0.188	0.213	0.139	1.061
42	1	0.000	2.197	0.056	0.236	0.000	-0.187	-0.075
42	1	0.189	2.197	0.056	0.235	0.000	-0.143	-0.065
42	1	0.378	2.197	0.056	0.233	0.000	-0.098	-0.054
42	1	0.566	2.197	0.056	0.232	0.000	-0.055	-0.043
42	1	0.755	2.197	0.056	0.230	0.000	-0.011	-0.033
42	1	0.944	2.197	0.056	0.229	0.000	0.032	-0.022
42	1	1.133	2.197	0.056	0.227	0.000	0.075	-0.011
42	1	1.321	2.197	0.056	0.225	0.000	0.118	-0.001
42	1	1.510	2.197	0.056	0.224	0.000	0.160	0.010
43	1	0.000	2.202	0.047	-0.290	0.001	0.159	0.011
43	1	0.036	2.202	0.047	-0.290	0.001	0.148	0.013
43	1	0.072	2.202	0.047	-0.291	0.001	0.138	0.015
43	1	0.109	2.202	0.047	-0.291	0.001	0.127	0.017
43	1	0.145	2.202	0.047	-0.291	0.001	0.117	0.018
43	1	0.181	2.202	0.047	-0.292	0.001	0.106	0.020
43	1	0.217	2.202	0.047	-0.292	0.001	0.096	0.022
43	1	0.254	2.202	0.047	-0.292	0.001	0.085	0.023
43	1	0.290	2.202	0.047	-0.293	0.001	0.074	0.025
45	3	0.000	2.191	0.541	0.158	-0.211	-0.239	-0.182
45	3	0.287	2.191	0.541	0.154	-0.211	-0.194	-0.026
45	3	0.575	2.191	0.541	0.150	-0.211	-0.150	0.129
45	3	0.863	2.191	0.541	0.145	-0.211	-0.108	0.285
45	3	1.150	2.191	0.541	0.141	-0.211	-0.067	0.440
45	3	1.438	2.191	0.541	0.137	-0.211	-0.027	0.596
45	3	1.725	2.191	0.541	0.133	-0.211	0.012	0.752
45	3	2.012	2.191	0.541	0.129	-0.211	0.050	0.907
45	3	2.300	2.191	0.541	0.125	-0.211	0.086	1.063
46	3	0.000	2.504	-0.542	-0.025	0.213	0.085	1.062
46	3	0.287	2.504	-0.542	-0.029	0.213	0.077	0.906
46	3	0.575	2.504	-0.542	-0.034	0.213	0.068	0.751
46	3	0.863	2.504	-0.542	-0.038	0.213	0.058	0.595
46	3	1.150	2.504	-0.542	-0.042	0.213	0.046	0.439
46	3	1.438	2.504	-0.542	-0.046	0.213	0.034	0.283
46	3	1.725	2.504	-0.542	-0.050	0.213	0.020	0.127
46	3	2.012	2.504	-0.542	-0.054	0.213	0.005	-0.029
46	3	2.300	2.504	-0.542	-0.058	0.213	-0.011	-0.185
47	3	0.000	-0.021	-1.032	-0.165	-0.210	0.128	1.049
47	3	0.125	-0.021	-1.032	-0.167	-0.210	0.107	0.920
47	3	0.250	-0.021	-1.032	-0.168	-0.210	0.086	0.791
47	3	0.375	-0.021	-1.032	-0.170	-0.210	0.065	0.662
47	3	0.500	-0.021	-1.032	-0.172	-0.210	0.043	0.533
47	3	0.625	-0.021	-1.032	-0.174	-0.210	0.022	0.404
47	3	0.750	-0.021	-1.032	-0.175	-0.210	0.000	0.275
47	3	0.875	-0.021	-1.032	-0.177	-0.210	-0.022	0.146
47	3	1.000	-0.021	-1.032	-0.179	-0.210	-0.044	0.017
48	1	0.000	1.033	-0.013	-0.002	0.000	0.005	0.030
48	1	0.287	1.030	-0.013	-0.002	0.000	0.004	0.026
48	1	0.575	1.028	-0.013	-0.002	0.000	0.004	0.022
48	1	0.863	1.026	-0.013	-0.002	0.000	0.003	0.019
48	1	1.150	1.023	-0.013	-0.002	0.000	0.002	0.015
48	1	1.438	1.021	-0.013	-0.002	0.000	0.002	0.011
48	1	1.725	1.018	-0.013	-0.002	0.000	0.001	0.008
48	1	2.012	1.016	-0.013	-0.002	0.000	0.001	0.004
48	1	2.300	1.013	-0.013	-0.002	0.000	-0.000	0.000
49	1	0.000	0.902	-0.037	0.036	-0.027	-0.017	0.043
49	1	0.287	0.904	-0.037	0.036	-0.027	-0.007	0.032
49	1	0.575	0.907	-0.037	0.036	-0.027	0.003	0.022
49	1	0.863	0.909	-0.037	0.036	-0.027	0.013	0.011
49	1	1.150	0.911	-0.037	0.036	-0.027	0.023	0.000
49	1	1.438	0.914	-0.037	0.036	-0.027	0.034	-0.010
49	1	1.725	0.916	-0.037	0.036	-0.027	0.044	-0.021
49	1	2.012	0.919	-0.037	0.036	-0.027	0.054	-0.031
49	1	2.300	0.921	-0.037	0.036	-0.027	0.064	-0.042
50	1	0.000	0.557	-0.011	-0.000	0.000	0.000	0.026
50	1	0.287	0.555	-0.011	-0.000	0.000	0.000	0.023
50	1	0.575	0.552	-0.011	-0.000	0.000	0.000	0.019
50	1	0.863	0.550	-0.011	-0.000	0.000	0.000	0.016
50	1	1.150	0.547	-0.011	-0.000	0.000	0.000	0.013
50	1	1.438	0.545	-0.011	-0.000	0.000	0.000	0.010
50	1	1.725	0.542	-0.011	-0.000	0.000	0.000	0.007
50	1	2.012	0.540	-0.011	-0.000	0.000	0.000	0.003
50	1	2.300	0.538	-0.011	-0.000	0.000	0.000	0.000
51	1	0.000	0.536	0.042	0.003	0.000	-0.007	-0.069
51	1	0.287	0.538	0.042	0.003	0.000	-0.006	-0.057
51	1	0.575	0.540	0.042	0.003	0.000	-0.005	-0.045
51	1	0.863	0.543	0.042	0.003	0.000	-0.005	-0.033

51	1	1.150	0.545	0.042	0.003	0.000	-0.004	-0.021
51	1	1.438	0.548	0.042	0.003	0.000	-0.003	-0.009
51	1	1.725	0.550	0.042	0.003	0.000	-0.002	0.003
51	1	2.012	0.553	0.042	0.003	0.000	-0.001	0.015
51	1	2.300	0.555	0.042	0.003	0.000	-0.001	0.027
52	2	0.000	-0.634	0.000	0.000	-0.000	0.000	0.000
52	2	0.442	-0.634	0.000	0.000	-0.000	0.000	0.000
52	2	0.884	-0.634	0.000	0.000	-0.000	0.000	0.000
52	2	1.326	-0.634	0.000	0.000	-0.000	0.000	0.000
52	2	1.768	-0.634	0.000	0.000	-0.000	0.000	0.000
52	2	2.210	-0.634	0.000	0.000	-0.000	0.000	0.000
52	2	2.652	-0.634	0.000	0.000	-0.000	0.000	0.000
52	2	3.094	-0.634	0.000	0.000	-0.000	0.000	0.000
52	2	3.536	-0.634	0.000	0.000	-0.000	0.000	0.000
53	2	0.000	-0.713	0.000	0.000	0.000	0.000	0.000
53	2	0.460	-0.713	0.000	0.000	0.000	0.000	0.000
53	2	0.920	-0.713	0.000	0.000	0.000	0.000	0.000
53	2	1.379	-0.713	0.000	0.000	0.000	0.000	0.000
53	2	1.839	-0.713	0.000	0.000	0.000	0.000	0.000
53	2	2.299	-0.713	0.000	0.000	0.000	0.000	0.000
53	2	2.759	-0.713	0.000	0.000	0.000	0.000	0.000
53	2	3.219	-0.713	0.000	0.000	0.000	0.000	0.000
53	2	3.678	-0.713	0.000	0.000	0.000	0.000	0.000
54	2	0.000	-0.328	0.000	0.000	0.000	0.000	0.000
54	2	0.442	-0.328	0.000	0.000	0.000	0.000	0.000
54	2	0.884	-0.328	0.000	0.000	0.000	0.000	0.000
54	2	1.326	-0.328	0.000	0.000	0.000	0.000	0.000
54	2	1.768	-0.328	0.000	0.000	0.000	0.000	0.000
54	2	2.210	-0.328	0.000	0.000	0.000	0.000	0.000
54	2	2.652	-0.328	0.000	0.000	0.000	0.000	0.000
54	2	3.094	-0.328	0.000	0.000	0.000	0.000	0.000
54	2	3.536	-0.328	0.000	0.000	0.000	0.000	0.000
55	2	0.000	-0.566	0.000	0.000	-0.000	0.000	0.000
55	2	0.460	-0.566	0.000	0.000	-0.000	0.000	0.000
55	2	0.920	-0.566	0.000	0.000	-0.000	0.000	0.000
55	2	1.379	-0.566	0.000	0.000	-0.000	0.000	0.000
55	2	1.839	-0.566	0.000	0.000	-0.000	0.000	0.000
55	2	2.299	-0.566	0.000	0.000	-0.000	0.000	0.000
55	2	2.759	-0.566	0.000	0.000	-0.000	0.000	0.000
55	2	3.219	-0.566	0.000	0.000	-0.000	0.000	0.000
55	2	3.678	-0.566	0.000	0.000	-0.000	0.000	0.000
56	1	0.000	1.832	0.033	0.383	0.001	0.055	0.030
56	1	0.036	1.832	0.033	0.382	0.001	0.069	0.031
56	1	0.072	1.832	0.033	0.382	0.001	0.083	0.032
56	1	0.109	1.832	0.033	0.382	0.001	0.097	0.034
56	1	0.145	1.832	0.033	0.382	0.001	0.111	0.035
56	1	0.181	1.832	0.033	0.381	0.001	0.124	0.036
56	1	0.217	1.832	0.033	0.381	0.001	0.138	0.037
56	1	0.254	1.832	0.033	0.381	0.001	0.152	0.038
56	1	0.290	1.832	0.033	0.380	0.001	0.166	0.040
57	2	0.000	-0.728	0.000	0.000	-0.000	0.000	0.000
57	2	0.394	-0.728	0.000	0.000	-0.000	0.000	0.000
57	2	0.789	-0.728	0.000	0.000	-0.000	0.000	0.000
57	2	1.183	-0.728	0.000	0.000	-0.000	0.000	0.000
57	2	1.578	-0.728	0.000	0.000	-0.000	0.000	0.000
57	2	1.972	-0.728	0.000	0.000	-0.000	0.000	0.000
57	2	2.367	-0.728	0.000	0.000	-0.000	0.000	0.000
57	2	2.761	-0.728	0.000	0.000	-0.000	0.000	0.000
57	2	3.156	-0.728	0.000	0.000	-0.000	0.000	0.000
58	2	0.000	-0.458	0.000	0.000	-0.000	0.000	0.000
58	2	0.219	-0.458	0.000	0.000	-0.000	0.000	0.000
58	2	0.437	-0.458	0.000	0.000	-0.000	0.000	0.000
58	2	0.656	-0.458	0.000	0.000	-0.000	0.000	0.000
58	2	0.875	-0.458	0.000	0.000	-0.000	0.000	0.000
58	2	1.093	-0.458	0.000	0.000	-0.000	0.000	0.000
58	2	1.312	-0.458	0.000	0.000	-0.000	0.000	0.000
58	2	1.530	-0.458	0.000	0.000	-0.000	0.000	0.000
58	2	1.749	-0.458	0.000	0.000	-0.000	0.000	0.000
59	2	0.000	-0.142	0.000	0.000	-0.000	0.000	0.000
59	2	0.394	-0.142	0.000	0.000	-0.000	0.000	0.000
59	2	0.789	-0.142	0.000	0.000	-0.000	0.000	0.000
59	2	1.183	-0.142	0.000	0.000	-0.000	0.000	0.000
59	2	1.578	-0.142	0.000	0.000	-0.000	0.000	0.000
59	2	1.972	-0.142	0.000	0.000	-0.000	0.000	0.000
59	2	2.367	-0.142	0.000	0.000	-0.000	0.000	0.000
59	2	2.761	-0.142	0.000	0.000	-0.000	0.000	0.000
59	2	3.156	-0.142	0.000	0.000	-0.000	0.000	0.000
60	2	0.000	-0.456	0.000	0.000	0.000	0.000	0.000
60	2	0.219	-0.456	0.000	0.000	0.000	0.000	0.000

60	2	0.437	-0.456	0.000	0.000	0.000	0.000	0.000
60	2	0.656	-0.456	0.000	0.000	0.000	0.000	0.000
60	2	0.875	-0.456	0.000	0.000	0.000	0.000	0.000
60	2	1.093	-0.456	0.000	0.000	0.000	0.000	0.000
60	2	1.312	-0.456	0.000	0.000	0.000	0.000	0.000
60	2	1.530	-0.456	0.000	0.000	0.000	0.000	0.000
60	2	1.749	-0.456	0.000	0.000	0.000	0.000	0.000
65	5	0.000	0.207	-0.476	-0.518	0.001	0.624	0.120
65	5	0.063	0.207	-0.476	-0.516	0.001	0.592	0.090
65	5	0.125	0.207	-0.476	-0.514	0.001	0.560	0.061
65	5	0.188	0.207	-0.476	-0.512	0.001	0.527	0.031
65	5	0.250	0.207	-0.476	-0.510	0.001	0.495	0.001
65	5	0.313	0.207	-0.476	-0.508	0.001	0.464	-0.029
65	5	0.375	0.207	-0.476	-0.507	0.001	0.432	-0.059
65	5	0.438	0.207	-0.476	-0.505	0.001	0.400	-0.088
65	5	0.500	0.207	-0.476	-0.503	0.001	0.369	-0.118
66	5	0.000	0.772	0.825	-0.356	-0.191	-0.260	-0.300
66	5	0.063	0.772	0.825	-0.358	-0.191	-0.283	-0.249
66	5	0.125	0.772	0.825	-0.360	-0.191	-0.305	-0.197
66	5	0.188	0.772	0.825	-0.362	-0.191	-0.328	-0.146
66	5	0.250	0.772	0.825	-0.364	-0.191	-0.350	-0.094
66	5	0.313	0.772	0.825	-0.366	-0.191	-0.373	-0.043
66	5	0.375	0.772	0.825	-0.368	-0.191	-0.396	0.009
66	5	0.438	0.772	0.825	-0.370	-0.191	-0.419	0.061
66	5	0.500	0.772	0.825	-0.372	-0.191	-0.442	0.112
67	5	0.000	0.189	-6.054	-1.454	0.001	1.022	1.510
67	5	0.063	0.189	-6.054	-1.452	0.001	0.931	1.132
67	5	0.125	0.189	-6.054	-1.451	0.001	0.840	0.754
67	5	0.188	0.189	-6.054	-1.449	0.001	0.749	0.375
67	5	0.250	0.189	-6.054	-1.447	0.001	0.659	-0.003
67	5	0.313	0.189	-6.054	-1.445	0.001	0.569	-0.382
67	5	0.375	0.189	-6.054	-1.443	0.001	0.478	-0.760
67	5	0.438	0.189	-6.054	-1.441	0.001	0.388	-1.138
67	5	0.500	0.189	-6.054	-1.439	0.001	0.298	-1.517
68	5	0.000	0.772	5.579	-1.247	-0.254	-0.121	-1.214
68	5	0.063	0.772	5.579	-1.249	-0.254	-0.199	-0.865
68	5	0.125	0.772	5.579	-1.251	-0.254	-0.277	-0.516
68	5	0.188	0.772	5.579	-1.253	-0.254	-0.356	-0.167
68	5	0.250	0.772	5.579	-1.255	-0.254	-0.434	0.181
68	5	0.313	0.772	5.579	-1.257	-0.254	-0.512	0.530
68	5	0.375	0.772	5.579	-1.259	-0.254	-0.591	0.879
68	5	0.438	0.772	5.579	-1.261	-0.254	-0.670	1.227
68	5	0.500	0.772	5.579	-1.263	-0.254	-0.749	1.576
73	2	0.000	-0.277	0.000	0.000	0.000	0.000	0.000
73	2	0.442	-0.277	0.000	0.000	0.000	0.000	0.000
73	2	0.884	-0.277	0.000	0.000	0.000	0.000	0.000
73	2	1.326	-0.277	0.000	0.000	0.000	0.000	0.000
73	2	1.768	-0.277	0.000	0.000	0.000	0.000	0.000
73	2	2.210	-0.277	0.000	0.000	0.000	0.000	0.000
73	2	2.652	-0.277	0.000	0.000	0.000	0.000	0.000
73	2	3.094	-0.277	0.000	0.000	0.000	0.000	0.000
73	2	3.536	-0.277	0.000	0.000	0.000	0.000	0.000
78	2	0.000	-0.284	0.000	0.000	-0.000	0.000	0.000
78	2	0.442	-0.284	0.000	0.000	-0.000	0.000	0.000
78	2	0.884	-0.284	0.000	0.000	-0.000	0.000	0.000
78	2	1.326	-0.284	0.000	0.000	-0.000	0.000	0.000
78	2	1.768	-0.284	0.000	0.000	-0.000	0.000	0.000
78	2	2.210	-0.284	0.000	0.000	-0.000	0.000	0.000
78	2	2.652	-0.284	0.000	0.000	-0.000	0.000	0.000
78	2	3.094	-0.284	0.000	0.000	-0.000	0.000	0.000
78	2	3.536	-0.284	0.000	0.000	-0.000	0.000	0.000
79	2	0.000	-0.002	0.000	0.000	0.000	0.000	0.000
79	2	0.442	-0.002	0.000	0.000	0.000	0.000	0.000
79	2	0.884	-0.002	0.000	0.000	0.000	0.000	0.000
79	2	1.326	-0.002	0.000	0.000	0.000	0.000	0.000
79	2	1.768	-0.002	0.000	0.000	0.000	0.000	0.000
79	2	2.210	-0.002	0.000	0.000	0.000	0.000	0.000
79	2	2.652	-0.002	0.000	0.000	0.000	0.000	0.000
79	2	3.094	-0.002	0.000	0.000	0.000	0.000	0.000
79	2	3.536	-0.002	0.000	0.000	0.000	0.000	0.000
81	4	0.000	-0.839	1.200	-0.218	-0.189	0.799	-0.528
81	4	0.125	-0.839	1.200	-0.216	-0.189	0.771	-0.378
81	4	0.250	-0.839	1.200	-0.214	-0.189	0.745	-0.228
81	4	0.375	-0.839	1.200	-0.212	-0.189	0.718	-0.078
81	4	0.500	-0.839	1.200	-0.210	-0.189	0.692	0.072
81	4	0.625	-0.839	1.200	-0.208	-0.189	0.665	0.222
81	4	0.750	-0.839	1.200	-0.206	-0.189	0.640	0.372
81	4	0.875	-0.839	1.200	-0.204	-0.189	0.614	0.522
81	4	1.000	-0.839	1.200	-0.202	-0.189	0.588	0.672

82	4	0.000	-0.838	-1.931	-0.032	-0.255	0.190	0.892
82	4	0.125	-0.838	-1.931	-0.030	-0.255	0.186	0.651
82	4	0.250	-0.838	-1.931	-0.028	-0.255	0.182	0.409
82	4	0.375	-0.838	-1.931	-0.026	-0.255	0.179	0.168
82	4	0.500	-0.838	-1.931	-0.024	-0.255	0.176	-0.074
82	4	0.625	-0.838	-1.931	-0.022	-0.255	0.173	-0.315
82	4	0.750	-0.838	-1.931	-0.020	-0.255	0.170	-0.556
82	4	0.875	-0.838	-1.931	-0.018	-0.255	0.168	-0.798
82	4	1.000	-0.838	-1.931	-0.017	-0.255	0.166	-1.039
83	4	0.000	0.005	-0.016	-0.017	-0.000	-0.005	0.016
83	4	0.250	0.005	-0.016	-0.013	-0.000	-0.008	0.012
83	4	0.500	0.005	-0.016	-0.009	-0.000	-0.011	0.008
83	4	0.750	0.005	-0.016	-0.006	-0.000	-0.013	0.004
83	4	1.000	0.005	-0.016	-0.002	-0.000	-0.014	-0.000
83	4	1.250	0.005	-0.016	0.002	-0.000	-0.014	-0.004
83	4	1.500	0.005	-0.016	0.006	-0.000	-0.013	-0.008
83	4	1.750	0.005	-0.016	0.010	-0.000	-0.011	-0.012
83	4	2.000	0.005	-0.016	0.014	-0.000	-0.008	-0.016
84	4	0.000	-0.006	-0.227	-0.298	0.000	0.524	0.227
84	4	0.250	-0.006	-0.227	-0.294	0.000	0.450	0.170
84	4	0.500	-0.006	-0.227	-0.290	0.000	0.377	0.113
84	4	0.750	-0.006	-0.227	-0.287	0.000	0.305	0.057
84	4	1.000	-0.006	-0.227	-0.283	0.000	0.233	0.000
84	4	1.250	-0.006	-0.227	-0.279	0.000	0.163	-0.057
84	4	1.500	-0.006	-0.227	-0.275	0.000	0.094	-0.113
84	4	1.750	-0.006	-0.227	-0.271	0.000	0.026	-0.170
84	4	2.000	-0.006	-0.227	-0.267	0.000	-0.042	-0.227
85	4	0.000	-0.001	-0.004	0.254	-0.002	-1.233	0.011
85	4	0.750	-0.001	-0.004	0.242	-0.002	-1.047	0.009
85	4	1.500	-0.001	-0.004	0.231	-0.002	-0.870	0.006
85	4	2.250	-0.001	-0.004	0.219	-0.002	-0.701	0.003
85	4	3.000	-0.001	-0.004	0.208	-0.002	-0.541	-0.000
85	4	3.750	-0.001	-0.004	0.196	-0.002	-0.390	-0.003
85	4	4.500	-0.001	-0.004	0.184	-0.002	-0.247	-0.006
85	4	5.250	-0.001	-0.004	0.173	-0.002	-0.114	-0.009
85	4	6.000	-0.001	-0.004	0.161	-0.002	0.012	-0.011
86	4	0.000	-0.000	0.023	-0.032	-0.001	0.379	-0.070
86	4	0.750	-0.000	0.023	-0.044	-0.001	0.351	-0.053
86	4	1.500	-0.000	0.023	-0.055	-0.001	0.313	-0.035
86	4	2.250	-0.000	0.023	-0.067	-0.001	0.268	-0.018
86	4	3.000	-0.000	0.023	-0.078	-0.001	0.213	-0.000
86	4	3.750	-0.000	0.023	-0.090	-0.001	0.150	0.018
86	4	4.500	-0.000	0.023	-0.101	-0.001	0.078	0.035
86	4	5.250	-0.000	0.023	-0.113	-0.001	-0.002	0.053
86	4	6.000	-0.000	0.023	-0.125	-0.001	-0.091	0.070
87	2	0.000	-0.199	0.000	0.000	-0.000	0.000	0.000
87	2	0.429	-0.199	0.000	0.000	-0.000	0.000	0.000
87	2	0.858	-0.199	0.000	0.000	-0.000	0.000	0.000
87	2	1.287	-0.199	0.000	0.000	-0.000	0.000	0.000
87	2	1.716	-0.199	0.000	0.000	-0.000	0.000	0.000
87	2	2.144	-0.199	0.000	0.000	-0.000	0.000	0.000
87	2	2.573	-0.199	0.000	0.000	-0.000	0.000	0.000
87	2	3.002	-0.199	0.000	0.000	-0.000	0.000	0.000
87	2	3.431	-0.199	0.000	0.000	-0.000	0.000	0.000
89	2	0.000	-0.235	0.000	0.000	0.000	0.000	0.000
89	2	0.901	-0.235	0.000	0.000	0.000	0.000	0.000
89	2	1.803	-0.235	0.000	0.000	0.000	0.000	0.000
89	2	2.704	-0.235	0.000	0.000	0.000	0.000	0.000
89	2	3.606	-0.235	0.000	0.000	0.000	0.000	0.000
89	2	4.507	-0.235	0.000	0.000	0.000	0.000	0.000
89	2	5.408	-0.235	0.000	0.000	0.000	0.000	0.000
89	2	6.310	-0.235	0.000	0.000	0.000	0.000	0.000
89	2	7.211	-0.235	0.000	0.000	0.000	0.000	0.000
91	4	0.000	-0.837	1.245	-0.196	-0.191	1.118	-3.053
91	4	0.250	-0.837	1.245	-0.192	-0.191	1.070	-2.742
91	4	0.500	-0.837	1.245	-0.188	-0.191	1.022	-2.430
91	4	0.750	-0.837	1.245	-0.184	-0.191	0.976	-2.119
91	4	1.000	-0.837	1.245	-0.180	-0.191	0.930	-1.808
91	4	1.250	-0.837	1.245	-0.177	-0.191	0.886	-1.496
91	4	1.500	-0.837	1.245	-0.173	-0.191	0.842	-1.185
91	4	1.750	-0.837	1.245	-0.169	-0.191	0.799	-0.874
91	4	2.000	-0.837	1.245	-0.165	-0.191	0.757	-0.562
92	4	0.000	1.734	1.517	0.112	-0.003	-1.387	-3.045
92	4	0.250	1.734	1.517	0.109	-0.003	-1.360	-2.665
92	4	0.500	1.734	1.517	0.105	-0.003	-1.333	-2.286
92	4	0.750	1.734	1.517	0.101	-0.003	-1.307	-1.907
92	4	1.000	1.734	1.517	0.097	-0.003	-1.282	-1.528
92	4	1.250	1.734	1.517	0.093	-0.003	-1.259	-1.148
92	4	1.500	1.734	1.517	0.089	-0.003	-1.236	-0.769

92	4	1.750	1.734	1.517	0.085	-0.003	-1.214	-0.390
92	4	2.000	1.734	1.517	0.082	-0.003	-1.193	-0.011
93	4	0.000	-0.837	-1.401	-0.025	-0.249	0.089	3.158
93	4	0.250	-0.837	-1.401	-0.022	-0.249	0.083	2.808
93	4	0.500	-0.837	-1.401	-0.018	-0.249	0.079	2.457
93	4	0.750	-0.837	-1.401	-0.014	-0.249	0.075	2.107
93	4	1.000	-0.837	-1.401	-0.010	-0.249	0.072	1.757
93	4	1.250	-0.837	-1.401	-0.006	-0.249	0.070	1.407
93	4	1.500	-0.837	-1.401	-0.002	-0.249	0.069	1.057
93	4	1.750	-0.837	-1.401	0.002	-0.249	0.069	0.706
93	4	2.000	-0.837	-1.401	0.005	-0.249	0.069	0.356
94	4	0.000	1.751	-1.345	-0.018	0.005	0.112	2.876
94	4	0.250	1.751	-1.345	-0.022	0.005	0.107	2.540
94	4	0.500	1.751	-1.345	-0.026	0.005	0.101	2.203
94	4	0.750	1.751	-1.345	-0.029	0.005	0.094	1.867
94	4	1.000	1.751	-1.345	-0.033	0.005	0.086	1.531
94	4	1.250	1.751	-1.345	-0.037	0.005	0.077	1.194
94	4	1.500	1.751	-1.345	-0.041	0.005	0.068	0.858
94	4	1.750	1.751	-1.345	-0.045	0.005	0.057	0.522
94	4	2.000	1.751	-1.345	-0.049	0.005	0.045	0.185
95	4	0.000	0.207	-0.016	-0.247	0.000	0.443	0.017
95	4	0.250	0.207	-0.016	-0.243	0.000	0.382	0.013
95	4	0.500	0.207	-0.016	-0.240	0.000	0.321	0.009
95	4	0.750	0.207	-0.016	-0.236	0.000	0.262	0.005
95	4	1.000	0.207	-0.016	-0.232	0.000	0.203	0.000
95	4	1.250	0.207	-0.016	-0.228	0.000	0.146	-0.004
95	4	1.500	0.207	-0.016	-0.224	0.000	0.089	-0.008
95	4	1.750	0.207	-0.016	-0.220	0.000	0.034	-0.012
95	4	2.000	0.207	-0.016	-0.217	0.000	-0.021	-0.016
96	4	0.000	0.772	0.367	-0.117	-0.190	-0.366	-0.021
96	4	0.250	0.772	0.367	-0.121	-0.190	-0.395	0.071
96	4	0.500	0.772	0.367	-0.125	-0.190	-0.426	0.163
96	4	0.750	0.772	0.367	-0.129	-0.190	-0.458	0.254
96	4	1.000	0.772	0.367	-0.132	-0.190	-0.490	0.346
96	4	1.250	0.772	0.367	-0.136	-0.190	-0.524	0.438
96	4	1.500	0.772	0.367	-0.140	-0.190	-0.558	0.530
96	4	1.750	0.772	0.367	-0.144	-0.190	-0.594	0.621
96	4	2.000	0.772	0.367	-0.148	-0.190	-0.630	0.713
97	4	0.000	0.189	-0.204	-0.134	0.001	0.677	0.202
97	4	0.250	0.189	-0.204	-0.130	0.001	0.644	0.151
97	4	0.500	0.189	-0.204	-0.126	0.001	0.612	0.100
97	4	0.750	0.189	-0.204	-0.122	0.001	0.581	0.049
97	4	1.000	0.189	-0.204	-0.118	0.001	0.551	-0.001
97	4	1.250	0.189	-0.204	-0.114	0.001	0.522	-0.052
97	4	1.500	0.189	-0.204	-0.110	0.001	0.494	-0.103
97	4	1.750	0.189	-0.204	-0.107	0.001	0.467	-0.154
97	4	2.000	0.189	-0.204	-0.103	0.001	0.440	-0.205
98	4	0.000	0.772	-0.204	0.069	-0.256	-0.366	-0.096
98	4	0.250	0.772	-0.204	0.065	-0.256	-0.349	-0.147
98	4	0.500	0.772	-0.204	0.062	-0.256	-0.333	-0.197
98	4	0.750	0.772	-0.204	0.058	-0.256	-0.318	-0.248
98	4	1.000	0.772	-0.204	0.054	-0.256	-0.304	-0.299
98	4	1.250	0.772	-0.204	0.050	-0.256	-0.291	-0.350
98	4	1.500	0.772	-0.204	0.046	-0.256	-0.279	-0.401
98	4	1.750	0.772	-0.204	0.042	-0.256	-0.268	-0.452
98	4	2.000	0.772	-0.204	0.038	-0.256	-0.258	-0.503
99	1	0.000	0.630	-0.044	-0.006	-0.001	0.001	-0.031
99	1	0.046	0.631	-0.044	-0.006	-0.001	0.001	-0.033
99	1	0.093	0.631	-0.044	-0.006	-0.001	0.000	-0.035
99	1	0.139	0.631	-0.044	-0.006	-0.001	-0.000	-0.037
99	1	0.185	0.632	-0.044	-0.006	-0.001	-0.000	-0.039
99	1	0.232	0.632	-0.044	-0.006	-0.001	-0.001	-0.041
99	1	0.278	0.633	-0.044	-0.006	-0.001	-0.001	-0.043
99	1	0.324	0.633	-0.044	-0.006	-0.001	-0.001	-0.045
99	1	0.371	0.633	-0.044	-0.006	-0.001	-0.001	-0.048
100	1	0.000	0.807	0.041	0.154	-0.026	-0.064	0.047
100	1	0.046	0.808	0.041	0.154	-0.026	-0.057	0.049
100	1	0.093	0.808	0.041	0.154	-0.026	-0.050	0.051
100	1	0.139	0.809	0.041	0.154	-0.026	-0.043	0.052
100	1	0.185	0.809	0.041	0.154	-0.026	-0.036	0.054
100	1	0.232	0.809	0.041	0.154	-0.026	-0.029	0.056
100	1	0.278	0.810	0.041	0.154	-0.026	-0.022	0.058
100	1	0.324	0.810	0.041	0.154	-0.026	-0.014	0.060
100	1	0.371	0.811	0.041	0.154	-0.026	-0.007	0.062
101	1	0.000	0.720	0.001	-0.171	-0.027	0.065	-0.049
101	1	0.046	0.720	0.001	-0.171	-0.027	0.057	-0.049
101	1	0.093	0.720	0.001	-0.171	-0.027	0.049	-0.049
101	1	0.139	0.721	0.001	-0.171	-0.027	0.041	-0.049
101	1	0.185	0.721	0.001	-0.171	-0.027	0.033	-0.049

101	1	0.232	0.722	0.001	-0.171	-0.027	0.025	-0.049
101	1	0.278	0.722	0.001	-0.171	-0.027	0.018	-0.049
101	1	0.324	0.722	0.001	-0.171	-0.027	0.010	-0.049
101	1	0.371	0.723	0.001	-0.171	-0.027	0.002	-0.049
102	1	0.000	0.555	0.034	0.012	0.000	-0.003	0.029
102	1	0.046	0.555	0.034	0.012	0.000	-0.002	0.030
102	1	0.093	0.556	0.034	0.012	0.000	-0.002	0.032
102	1	0.139	0.556	0.034	0.012	0.000	-0.001	0.033
102	1	0.185	0.557	0.034	0.012	0.000	-0.001	0.035
102	1	0.232	0.557	0.034	0.012	0.000	0.000	0.036
102	1	0.278	0.557	0.034	0.012	0.000	0.001	0.038
102	1	0.324	0.558	0.034	0.012	0.000	0.001	0.040
102	1	0.371	0.558	0.034	0.012	0.000	0.002	0.041
158	2	0.000	-2.274	0.000	0.000	0.000	0.000	0.000
158	2	0.442	-2.274	0.000	0.000	0.000	0.000	0.000
158	2	0.884	-2.274	0.000	0.000	0.000	0.000	0.000
158	2	1.326	-2.274	0.000	0.000	0.000	0.000	0.000
158	2	1.768	-2.274	0.000	0.000	0.000	0.000	0.000
158	2	2.210	-2.274	0.000	0.000	0.000	0.000	0.000
158	2	2.652	-2.274	0.000	0.000	0.000	0.000	0.000
158	2	3.094	-2.274	0.000	0.000	0.000	0.000	0.000
158	2	3.536	-2.274	0.000	0.000	0.000	0.000	0.000
161	2	0.000	-2.273	0.000	0.000	-0.000	0.000	0.000
161	2	0.442	-2.273	0.000	0.000	-0.000	0.000	0.000
161	2	0.884	-2.273	0.000	0.000	-0.000	0.000	0.000
161	2	1.326	-2.273	0.000	0.000	-0.000	0.000	0.000
161	2	1.768	-2.273	0.000	0.000	-0.000	0.000	0.000
161	2	2.210	-2.273	0.000	0.000	-0.000	0.000	0.000
161	2	2.652	-2.273	0.000	0.000	-0.000	0.000	0.000
161	2	3.094	-2.273	0.000	0.000	-0.000	0.000	0.000
161	2	3.536	-2.273	0.000	0.000	-0.000	0.000	0.000
174	9	0.000	-0.505	0.001	0.001	-0.001	-0.001	-0.000
174	9	0.249	-0.505	0.001	0.001	-0.001	-0.000	-0.000
174	9	0.497	-0.505	0.001	0.001	-0.001	-0.000	0.000
174	9	0.746	-0.504	0.001	0.001	-0.001	0.000	0.000
174	9	0.994	-0.504	0.001	0.001	-0.001	0.000	0.000
174	9	1.243	-0.503	0.001	0.001	-0.001	0.000	0.001
174	9	1.491	-0.503	0.001	0.001	-0.001	0.001	0.001
174	9	1.740	-0.502	0.001	0.001	-0.001	0.001	0.001
174	9	1.988	-0.502	0.001	0.001	-0.001	0.001	0.001
177	9	0.000	-0.523	0.003	-0.000	-0.001	0.001	-0.003
177	9	0.249	-0.523	0.003	-0.000	-0.001	0.001	-0.003
177	9	0.497	-0.522	0.003	-0.000	-0.001	0.001	-0.002
177	9	0.746	-0.522	0.003	-0.000	-0.001	0.001	-0.001
177	9	0.994	-0.521	0.003	-0.000	-0.001	0.000	-0.001
177	9	1.243	-0.521	0.003	-0.000	-0.001	0.000	0.000
177	9	1.491	-0.520	0.003	-0.000	-0.001	0.000	0.001
177	9	1.740	-0.520	0.003	-0.000	-0.001	0.000	0.001
177	9	1.988	-0.519	0.003	-0.000	-0.001	-0.000	0.002
181	9	0.000	-0.495	-0.003	0.000	-0.001	-0.001	0.003
181	9	0.249	-0.495	-0.003	0.000	-0.001	-0.001	0.002
181	9	0.497	-0.494	-0.003	0.000	-0.001	-0.001	0.002
181	9	0.746	-0.494	-0.003	0.000	-0.001	-0.000	0.001
181	9	0.994	-0.493	-0.003	0.000	-0.001	-0.000	0.000
181	9	1.243	-0.493	-0.003	0.000	-0.001	-0.000	-0.000
181	9	1.491	-0.492	-0.003	0.000	-0.001	-0.000	-0.001
181	9	1.740	-0.492	-0.003	0.000	-0.001	-0.000	-0.001
181	9	1.988	-0.492	-0.003	0.000	-0.001	0.000	-0.002
184	9	0.000	-0.481	-0.001	-0.001	-0.001	0.001	0.001
184	9	0.249	-0.480	-0.001	-0.001	-0.001	0.000	0.000
184	9	0.497	-0.480	-0.001	-0.001	-0.001	0.000	0.000
184	9	0.746	-0.480	-0.001	-0.001	-0.001	0.000	-0.000
184	9	0.994	-0.479	-0.001	-0.001	-0.001	-0.000	-0.000
184	9	1.243	-0.479	-0.001	-0.001	-0.001	-0.000	-0.001
184	9	1.491	-0.478	-0.001	-0.001	-0.001	-0.001	-0.001
184	9	1.740	-0.478	-0.001	-0.001	-0.001	-0.001	-0.001
184	9	1.988	-0.477	-0.001	-0.001	-0.001	-0.001	-0.001
187	9	0.000	-0.021	0.003	-0.002	-0.000	0.001	-0.005
187	9	0.375	-0.021	0.003	-0.002	-0.000	-0.000	-0.004
187	9	0.750	-0.021	0.003	-0.001	-0.000	-0.001	-0.002
187	9	1.125	-0.021	0.003	-0.000	-0.000	-0.001	-0.001
187	9	1.500	-0.021	0.003	0.000	-0.000	-0.001	-0.000
187	9	1.875	-0.021	0.003	0.001	-0.000	-0.000	0.001
187	9	2.250	-0.021	0.003	0.002	-0.000	0.000	0.002
187	9	2.625	-0.021	0.003	0.002	-0.000	0.001	0.003
187	9	3.000	-0.021	0.003	0.003	-0.000	0.002	0.004
189	9	0.000	0.026	0.004	-0.003	-0.000	0.002	-0.005
189	9	0.375	0.026	0.004	-0.003	-0.000	0.001	-0.004
189	9	0.750	0.026	0.004	-0.002	-0.000	0.000	-0.003
189	9	1.125	0.026	0.004	-0.001	-0.000	-0.000	-0.001

189	9	1.500	0.026	0.004	-0.001	-0.000	-0.001	0.000
189	9	1.875	0.026	0.004	0.000	-0.000	-0.001	0.001
189	9	2.250	0.026	0.004	0.001	-0.000	-0.001	0.003
189	9	2.625	0.026	0.004	0.001	-0.000	-0.000	0.004
189	9	3.000	0.026	0.004	0.002	-0.000	0.000	0.006
192	9	0.000	0.024	0.003	-0.002	-0.000	0.001	-0.005
192	9	0.375	0.024	0.003	-0.002	-0.000	-0.000	-0.004
192	9	0.750	0.024	0.003	-0.001	-0.000	-0.001	-0.002
192	9	1.125	0.024	0.003	-0.000	-0.000	-0.001	-0.001
192	9	1.500	0.024	0.003	0.000	-0.000	-0.001	-0.000
192	9	1.875	0.024	0.003	0.001	-0.000	-0.001	0.001
192	9	2.250	0.024	0.003	0.002	-0.000	0.000	0.002
192	9	2.625	0.024	0.003	0.002	-0.000	0.001	0.003
192	9	3.000	0.024	0.003	0.003	-0.000	0.002	0.004
194	9	0.000	-0.026	0.004	-0.003	-0.000	0.002	-0.005
194	9	0.375	-0.026	0.004	-0.002	-0.000	0.001	-0.004
194	9	0.750	-0.026	0.004	-0.002	-0.000	0.000	-0.003
194	9	1.125	-0.026	0.004	-0.001	-0.000	-0.000	-0.001
194	9	1.500	-0.026	0.004	-0.000	-0.000	-0.001	0.000
194	9	1.875	-0.026	0.004	0.000	-0.000	-0.001	0.001
194	9	2.250	-0.026	0.004	0.001	-0.000	-0.001	0.003
194	9	2.625	-0.026	0.004	0.002	-0.000	-0.000	0.004
194	9	3.000	-0.026	0.004	0.002	-0.000	0.001	0.006
197	9	0.000	-0.443	0.018	-0.007	0.001	0.002	-0.005
197	9	0.072	-0.443	0.018	-0.007	0.001	0.001	-0.004
197	9	0.145	-0.443	0.018	-0.007	0.001	0.001	-0.003
197	9	0.217	-0.443	0.018	-0.007	0.001	0.000	-0.001
197	9	0.290	-0.443	0.018	-0.007	0.001	-0.000	-0.000
197	9	0.362	-0.443	0.018	-0.007	0.001	-0.001	0.001
197	9	0.435	-0.443	0.018	-0.007	0.001	-0.001	0.003
197	9	0.507	-0.443	0.018	-0.007	0.001	-0.002	0.004
197	9	0.580	-0.443	0.018	-0.008	0.001	-0.003	0.005
198	9	0.000	-0.088	0.034	0.001	0.000	-0.000	-0.010
198	9	0.072	-0.088	0.034	0.001	0.000	-0.000	-0.007
198	9	0.145	-0.088	0.034	0.000	0.000	-0.000	-0.005
198	9	0.217	-0.088	0.034	0.000	0.000	-0.000	-0.002
198	9	0.290	-0.088	0.034	0.000	0.000	0.000	-0.000
198	9	0.362	-0.088	0.034	0.000	0.000	0.000	0.002
198	9	0.435	-0.088	0.034	-0.000	0.000	0.000	0.005
198	9	0.507	-0.088	0.034	-0.000	0.000	0.000	0.007
198	9	0.580	-0.088	0.034	-0.000	0.000	-0.000	0.010
199	9	0.000	-0.397	0.021	0.007	0.000	-0.002	-0.006
199	9	0.072	-0.397	0.021	0.006	0.000	-0.002	-0.005
199	9	0.145	-0.397	0.021	0.006	0.000	-0.001	-0.003
199	9	0.217	-0.397	0.021	0.006	0.000	-0.001	-0.002
199	9	0.290	-0.397	0.021	0.006	0.000	-0.000	0.000
199	9	0.362	-0.397	0.021	0.006	0.000	0.000	0.002
199	9	0.435	-0.397	0.021	0.006	0.000	0.001	0.003
199	9	0.507	-0.397	0.021	0.006	0.000	0.001	0.005
199	9	0.580	-0.397	0.021	0.006	0.000	0.001	0.006
203	1	0.000	-0.168	0.052	-0.266	0.000	0.190	0.013
203	1	0.189	-0.168	0.052	-0.267	0.000	0.140	0.023
203	1	0.378	-0.168	0.052	-0.269	0.000	0.090	0.032
203	1	0.566	-0.168	0.052	-0.270	0.000	0.039	0.042
203	1	0.755	-0.168	0.052	-0.272	0.000	-0.012	0.052
203	1	0.944	-0.168	0.052	-0.274	0.000	-0.064	0.062
203	1	1.133	-0.168	0.052	-0.275	0.000	-0.116	0.071
203	1	1.321	-0.168	0.052	-0.277	0.000	-0.168	0.081
203	1	1.510	-0.168	0.052	-0.278	0.000	-0.220	0.091
207	1	0.000	1.833	-0.037	-0.159	0.000	0.166	0.046
207	1	0.189	1.833	-0.037	-0.161	0.000	0.136	0.039
207	1	0.378	1.833	-0.037	-0.163	0.000	0.105	0.032
207	1	0.566	1.833	-0.037	-0.164	0.000	0.074	0.025
207	1	0.755	1.833	-0.037	-0.166	0.000	0.043	0.018
207	1	0.944	1.833	-0.037	-0.167	0.000	0.012	0.012
207	1	1.133	1.833	-0.037	-0.169	0.000	-0.020	0.005
207	1	1.321	1.833	-0.037	-0.171	0.000	-0.052	-0.002
207	1	1.510	1.833	-0.037	-0.172	0.000	-0.084	-0.009
213	2	0.000	-0.104	0.000	0.000	0.000	0.000	0.000
213	2	0.450	-0.104	0.000	0.000	0.000	0.000	0.000
213	2	0.900	-0.104	0.000	0.000	0.000	0.000	0.000
213	2	1.350	-0.104	0.000	0.000	0.000	0.000	0.000
213	2	1.799	-0.104	0.000	0.000	0.000	0.000	0.000
213	2	2.249	-0.104	0.000	0.000	0.000	0.000	0.000
213	2	2.699	-0.104	0.000	0.000	0.000	0.000	0.000
213	2	3.149	-0.104	0.000	0.000	0.000	0.000	0.000
213	2	3.599	-0.104	0.000	0.000	0.000	0.000	0.000
218	2	0.000	-0.103	0.000	0.000	0.000	0.000	0.000
218	2	0.450	-0.103	0.000	0.000	0.000	0.000	0.000

218	2	0.900	-0.103	0.000	0.000	0.000	0.000	0.000
218	2	1.350	-0.103	0.000	0.000	0.000	0.000	0.000
218	2	1.799	-0.103	0.000	0.000	0.000	0.000	0.000
218	2	2.249	-0.103	0.000	0.000	0.000	0.000	0.000
218	2	2.699	-0.103	0.000	0.000	0.000	0.000	0.000
218	2	3.149	-0.103	0.000	0.000	0.000	0.000	0.000
218	2	3.599	-0.103	0.000	0.000	0.000	0.000	0.000
226	2	0.000	-0.195	0.000	0.000	-0.000	0.000	0.000
226	2	0.429	-0.195	0.000	0.000	-0.000	0.000	0.000
226	2	0.858	-0.195	0.000	0.000	-0.000	0.000	0.000
226	2	1.287	-0.195	0.000	0.000	-0.000	0.000	0.000
226	2	1.716	-0.195	0.000	0.000	-0.000	0.000	0.000
226	2	2.144	-0.195	0.000	0.000	-0.000	0.000	0.000
226	2	2.573	-0.195	0.000	0.000	-0.000	0.000	0.000
226	2	3.002	-0.195	0.000	0.000	-0.000	0.000	0.000
226	2	3.431	-0.195	0.000	0.000	-0.000	0.000	0.000
1000	6	0.000	-0.396	0.014	-0.496	0.000	0.099	-0.002
1000	6	0.025	-0.396	0.014	-0.496	0.000	0.086	-0.001
1000	6	0.050	-0.396	0.014	-0.496	0.000	0.074	-0.001
1000	6	0.075	-0.396	0.014	-0.496	0.000	0.062	-0.001
1000	6	0.100	-0.396	0.014	-0.496	0.000	0.049	-0.000
1000	6	0.125	-0.396	0.014	-0.496	0.000	0.037	0.000
1000	6	0.150	-0.396	0.014	-0.496	0.000	0.024	0.000
1000	6	0.175	-0.396	0.014	-0.496	0.000	0.012	0.001
1000	6	0.200	-0.396	0.014	-0.496	0.000	-0.000	0.001
1001	6	0.000	-0.495	-0.045	-0.622	0.000	0.124	0.005
1001	6	0.025	-0.495	-0.045	-0.622	0.000	0.108	0.004
1001	6	0.050	-0.495	-0.045	-0.622	0.000	0.093	0.003
1001	6	0.075	-0.495	-0.045	-0.622	0.000	0.077	0.002
1001	6	0.100	-0.495	-0.045	-0.622	0.000	0.061	0.001
1001	6	0.125	-0.495	-0.045	-0.622	0.000	0.046	-0.000
1001	6	0.150	-0.495	-0.045	-0.622	0.000	0.030	-0.001
1001	6	0.175	-0.495	-0.045	-0.622	0.000	0.015	-0.003
1001	6	0.200	-0.495	-0.045	-0.622	0.000	-0.001	-0.004
1002	6	0.000	-0.447	0.006	-0.128	0.000	0.068	-0.001
1002	6	0.025	-0.447	0.006	-0.128	0.000	0.065	-0.001
1002	6	0.050	-0.447	0.006	-0.128	0.000	0.062	-0.000
1002	6	0.075	-0.447	0.006	-0.128	0.000	0.059	-0.000
1002	6	0.100	-0.447	0.006	-0.128	0.000	0.056	-0.000
1002	6	0.125	-0.447	0.006	-0.128	0.000	0.052	0.000
1002	6	0.150	-0.447	0.006	-0.128	0.000	0.049	0.000
1002	6	0.175	-0.447	0.006	-0.128	0.000	0.046	0.000
1002	6	0.200	-0.447	0.006	-0.128	0.000	0.043	0.001
1003	6	0.000	-0.355	-0.400	-0.368	-0.000	0.081	0.040
1003	6	0.025	-0.355	-0.400	-0.368	-0.000	0.072	0.030
1003	6	0.050	-0.355	-0.400	-0.368	-0.000	0.063	0.020
1003	6	0.075	-0.355	-0.400	-0.368	-0.000	0.053	0.010
1003	6	0.100	-0.355	-0.400	-0.368	-0.000	0.044	0.000
1003	6	0.125	-0.355	-0.400	-0.368	-0.000	0.035	-0.010
1003	6	0.150	-0.355	-0.400	-0.368	-0.000	0.026	-0.020
1003	6	0.175	-0.355	-0.400	-0.368	-0.000	0.017	-0.030
1003	6	0.200	-0.355	-0.400	-0.368	-0.000	0.007	-0.040
1004	6	0.000	-0.441	0.014	-0.251	0.000	0.050	-0.001
1004	6	0.025	-0.441	0.014	-0.251	0.000	0.044	-0.001
1004	6	0.050	-0.441	0.014	-0.251	0.000	0.038	-0.001
1004	6	0.075	-0.441	0.014	-0.251	0.000	0.032	-0.000
1004	6	0.100	-0.441	0.014	-0.251	0.000	0.025	-0.000
1004	6	0.125	-0.441	0.014	-0.251	0.000	0.019	0.000
1004	6	0.150	-0.441	0.014	-0.251	0.000	0.013	0.001
1004	6	0.175	-0.441	0.014	-0.251	0.000	0.007	0.001
1004	6	0.200	-0.441	0.014	-0.251	0.000	0.000	0.001
1005	6	0.000	-0.444	-0.037	-0.251	0.000	0.051	0.004
1005	6	0.025	-0.444	-0.037	-0.251	0.000	0.045	0.003
1005	6	0.050	-0.444	-0.037	-0.251	0.000	0.038	0.002
1005	6	0.075	-0.444	-0.037	-0.251	0.000	0.032	0.001
1005	6	0.100	-0.444	-0.037	-0.251	0.000	0.026	0.000
1005	6	0.125	-0.444	-0.037	-0.251	0.000	0.020	-0.001
1005	6	0.150	-0.444	-0.037	-0.251	0.000	0.013	-0.002
1005	6	0.175	-0.444	-0.037	-0.251	0.000	0.007	-0.003
1005	6	0.200	-0.444	-0.037	-0.251	0.000	0.001	-0.004
1006	6	0.000	-0.396	-0.021	-0.657	0.000	0.089	0.002
1006	6	0.025	-0.396	-0.021	-0.657	0.000	0.072	0.002
1006	6	0.050	-0.396	-0.021	-0.657	0.000	0.056	0.001
1006	6	0.075	-0.396	-0.021	-0.657	0.000	0.039	0.001
1006	6	0.100	-0.396	-0.021	-0.657	0.000	0.023	0.000
1006	6	0.125	-0.396	-0.021	-0.657	0.000	0.007	-0.000
1006	6	0.150	-0.396	-0.021	-0.657	0.000	-0.010	-0.001
1006	6	0.175	-0.396	-0.021	-0.657	0.000	-0.026	-0.001
1006	6	0.200	-0.396	-0.021	-0.657	0.000	-0.043	-0.002

1007	6	0.000	-0.396	-0.382	-0.302	-0.000	0.053	0.038
1007	6	0.025	-0.396	-0.382	-0.302	-0.000	0.046	0.029
1007	6	0.050	-0.396	-0.382	-0.302	-0.000	0.038	0.019
1007	6	0.075	-0.396	-0.382	-0.302	-0.000	0.030	0.009
1007	6	0.100	-0.396	-0.382	-0.302	-0.000	0.023	-0.000
1007	6	0.125	-0.396	-0.382	-0.302	-0.000	0.015	-0.010
1007	6	0.150	-0.396	-0.382	-0.302	-0.000	0.008	-0.019
1007	6	0.175	-0.396	-0.382	-0.302	-0.000	0.000	-0.029
1007	6	0.200	-0.396	-0.382	-0.302	-0.000	-0.007	-0.038
1008	6	0.000	-0.130	-0.536	0.128	0.000	-0.018	0.068
1008	6	0.025	-0.130	-0.536	0.128	0.000	-0.015	0.054
1008	6	0.050	-0.130	-0.536	0.128	0.000	-0.011	0.041
1008	6	0.075	-0.130	-0.536	0.128	0.000	-0.008	0.028
1008	6	0.100	-0.130	-0.536	0.128	0.000	-0.005	0.014
1008	6	0.125	-0.130	-0.536	0.128	0.000	-0.002	0.001
1008	6	0.150	-0.130	-0.536	0.128	0.000	0.001	-0.013
1008	6	0.175	-0.130	-0.536	0.128	0.000	0.004	-0.026
1008	6	0.200	-0.130	-0.536	0.128	0.000	0.008	-0.039
1009	6	0.000	-0.002	0.047	0.015	0.000	-0.002	-0.005
1009	6	0.025	-0.002	0.047	0.015	0.000	-0.001	-0.004
1009	6	0.050	-0.002	0.047	0.015	0.000	-0.001	-0.002
1009	6	0.075	-0.002	0.047	0.015	0.000	-0.000	-0.001
1009	6	0.100	-0.002	0.047	0.015	0.000	0.000	0.000
1009	6	0.125	-0.002	0.047	0.015	0.000	0.000	0.001
1009	6	0.150	-0.002	0.047	0.015	0.000	0.001	0.002
1009	6	0.175	-0.002	0.047	0.015	0.000	0.001	0.004
1009	6	0.200	-0.002	0.047	0.015	0.000	0.002	0.005
1010	6	0.000	-0.001	-0.393	-0.096	0.000	0.010	0.039
1010	6	0.025	-0.001	-0.393	-0.096	0.000	0.007	0.030
1010	6	0.050	-0.001	-0.393	-0.096	0.000	0.005	0.020
1010	6	0.075	-0.001	-0.393	-0.096	0.000	0.002	0.010
1010	6	0.100	-0.001	-0.393	-0.096	0.000	0.000	-0.000
1010	6	0.125	-0.001	-0.393	-0.096	0.000	-0.002	-0.010
1010	6	0.150	-0.001	-0.393	-0.096	0.000	-0.005	-0.020
1010	6	0.175	-0.001	-0.393	-0.096	0.000	-0.007	-0.030
1010	6	0.200	-0.001	-0.393	-0.096	0.000	-0.010	-0.039
1011	6	0.000	-0.128	-0.046	-0.465	-0.000	0.052	-0.009
1011	6	0.025	-0.128	-0.046	-0.465	-0.000	0.040	-0.010
1011	6	0.050	-0.128	-0.046	-0.465	-0.000	0.028	-0.012
1011	6	0.075	-0.128	-0.046	-0.465	-0.000	0.017	-0.013
1011	6	0.100	-0.128	-0.046	-0.465	-0.000	0.005	-0.014
1011	6	0.125	-0.128	-0.046	-0.465	-0.000	-0.007	-0.015
1011	6	0.150	-0.128	-0.046	-0.465	-0.000	-0.018	-0.016
1011	6	0.175	-0.128	-0.046	-0.465	-0.000	-0.030	-0.017
1011	6	0.200	-0.128	-0.046	-0.465	-0.000	-0.041	-0.018