

**ITINERARIO RAGUSA-CATANIA**

Collegamento viario compreso tra lo Svincolo della S.S. 514 "di Chiaramonte" con la S.S. 115 e lo Svincolo della S.S. 194 "Ragusana"

LOTTO 4 - Dallo svincolo n. 8 "Francofonte" (compreso) allo svincolo della "Ragusana"(escluso)

**PROGETTO ESECUTIVO**

COD. **PA898**

PROGETTAZIONE: ATI SINTAGMA - GP INGEGNERIA - COOPROGETTI -GDG - ICARIA - OMNISERVICE

PROGETTISTA RESPONSABILE DELL'INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE:

Dott. Ing. Nando Granieri

Ordine degli Ingegneri della Prov. di Perugia n° A351



IL GEOLOGO:

Dott. Geol. Giorgio Cerquiglini

Ordine dei Geologi della Regione Umbria n° 108

IL COORDINATORE PER LA SICUREZZA IN FASE DI PROGETTAZIONE:

Dott. Ing. Filippo Pambianco

Ordine degli Ingegneri della Provincia di Perugia n° A1373

VISTO IL RESPONSABILE DEL PROCEDIMENTO

Dott. Ing. Luigi Mupo

IL GRUPPO DI PROGETTAZIONE:

MANDATARIA:



Dott. Ing. N.Granieri  
Dott. Ing. F.Durastanti  
Dott. Ing. V.Truffini  
Dott. Arch. A.Bracchini  
Dott. Ing. L.Nani

Dott. Ing. M.Abram  
Dott. Ing. F.Pambianco  
Dott. Ing. M.Briganti Botta  
Dott. Ing. L.Gagliardini  
Dott. Geol. G.Cerquiglini

MANDANTI:



Dott. Ing. G.Guiducci  
Dott. Ing. A.Signorelli  
Dott. Ing. E.Moscatelli  
Dott. Ing. A.Bela

Dott. Ing. G.Lucibello  
Dott. Arch. G.Guastella  
Dott. Geol. M.Leonardi  
Dott. Ing. G.Parente



Dott. Arch. E.A.E.Crimi  
Dott. Ing. M.Panfilì  
Dott. Arch. P.Ghirelli  
Dott. Ing. D.Pelle

Dott. Ing. L.Ragnacci  
Dott. Arch. A.Strati  
Archeol. M.G.Liseno



Dott. Ing. D.Carlaccini  
Dott. Ing. S.Sacconi  
Dott. Ing. C.Consorti

Dott. Ing. F.Aloe  
Dott. Ing. A.Salvemini



Dott. Ing. V.Rotisciani  
Dott. Ing. G.Pulli  
Dott. Ing. F.Macchioni

Dott. Ing. G.Verini Supplizi  
Dott. Ing. V.Piunno  
Geom. C.Sugaroni



Dott. Ing. P.Agnello

IL RESPONSABILE DI PROGETTO:



**VIADOTTI  
PONTE BUONAFEDE - CARR. DX  
Tabulati di calcolo delle sottostrutture**

CODICE PROGETTO			NOME FILE			REVISIONE	SCALA:
PROGETTO	LIV. PROG.	N. PROG.	T04VI05STRRE04A				
L0408Z	E	2101	T04VI05STRRE04			A	-
A	Emissione		Giu 2021	M. Botta	F. Durastanti	N. Granieri	
REV.	DESCRIZIONE		DATA	REDATTO	VERIFICATO	APPROVATO	

TIME AT CENTRAL PROCESSOR = 10:59:08 ON 14/05/21 (DAY/MTH/YR)

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

NLPZ 98304000  
NPGS 960  
MXELGP 32

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

IDTIME 1

LL UU UU SSSSSS AAAA SSSSSS  
LL UU UU SS SS AA AA SS SS  
LL UU UU SS AA AA SS  
LL UU UU SSSSSS AAAAAAAA SSSSSS  
LL UU UU SSSSSS AAAAAAAA SSSSSS  
LL UU UU SS AA AA SS  
LLLLLLLL UU UU SS SS AA AA SS SS  
LLLLLLLL UUUUUU SSSSSS AA AA SSSSSS

Build Information : KITBUILD03 - Feb 16 2021 02:12:17

Kit Version : 19.1-B3  
Solver Version : 19.1.1233.7156 (32-bit)

Developed by: LUSAS,  
Forge House,  
66 High Street,  
Kingston upon Thames,  
Surrey, KT1 1HN, UK  
www.lusas.com  
  
Sales Enquiries: Tel +44 (0)20 8541 1999  
Fax +44 (0)20 8549 9399  
Email: info@lusas.com  
  
Customer Support: Tel +44 (0)20 3325 0440  
Fax +44 (0)20 8549 9399  
Email: support@lusas.com

KeyID 15062 licensed on PC processor. Expires 1-07-2021  
Using Sentinel license server.  
Analysis Options : Nonlinear, Dynamics, Thermal/Field, FDS (Fast Direct Solver)  
Element Library : Plus

Solver executed : C:\Program Files (x86)\LUSAS191\Programs\Lusas\_S.exe  
Input file :

V:\100\_comesse\100\_699\571\_343\_Imp\_misti\_Ragusana\_SS194\_Sintagma.AS\L4\_VI05\_06\_Buonafede\modelli\sottostrutture\LUSASFiles32\Buonafede\_sottostr\_r02  
\Buonafede\_sottostr\_r02~01 - Fase1.dat

Number of processors available : 4  
Maximum number of threads available : 4

Memory request for 1105Mb Succeeded

TIME AT CENTRAL PROCESSOR = 10:59:09 ON 14/05/21 (DAY/MTH/YR)

P R O B L E M 1

Viadotto Buonafede - sottostrutture

U N I T S N M K G S C

GRAVITY DIRECTION = Z ACCELERATION = -9.810

O P T I O N(S) 2 SUPPRESS NODE COORDINATE CHECKS FOR SIMILAR COORDS AND MISSING NODES

O P T I O N(S) 48 SWITCH CBF/BFP INPUT FROM FORCE/UNIT VOLUME TO ACCELERATION

O P T I O N(S) 61 ALL TWO DIMENSIONAL SLIDELINE SURFACES DEFINED WITH OUTWARD NORMALS

O P T I O N(S) 123 CLOCKWISE NODE NUMBERING

O P T I O N(S) -131 PARALLEL FRONTAL SOLVER ALGORITHM

O P T I O N(S) 242 TEMPERATURES INPUT AND OUTPUT IN DEGREES CELSIUS  
 O P T I O N(S) 250 DATAFILE HAS BEEN CREATED BY MODELLER  
 O P T I O N(S) 253 EMISSIVITY SPECIFIED IN THERMAL ENVIRONMENT PROPERTIES  
 O P T I O N(S) 259 SAVE NODAL STRESSES IN PLOT FILE TO AVOID STRESS EXTRAPOLATION IN MODELLER  
 O P T I O N(S) 272 ACTIVATE OR DEACTIVATE ELEMENTS  
 O P T I O N(S) 278 ASSIGN SIX DEGREES OF FREEDOM TO ALL THICK SHELL ELEMENT NODES  
 O P T I O N(S) -282 F SET SLOANE FRONTAL OPTIMISER AS DEFAULT  
 O P T I O N(S) 324 SPECIFY DAMPING PROPERTIES FOR JOINT PROPERTIES GENERAL EXPLICITLY  
 O P T I O N(S) 386 USE OF WEIGHTED FORCE/STIFFNESS DISTRIBUTION WITH SLIDELINES  
 O P T I O N(S) 396 IMPROVED TOP/MIDDLE/BOTTOM TRANSVERSE SHEAR STRESS CALCULATION FOR THICK SHELL ELEMENTS  
 O P T I O N(S) 399 RETAIN INACTIVE ELEMENTS IN BIRTH AND DEATH SOLUTION (OLD ANALYSIS TYPE)  
 O P T I O N(S) 414 INTRODUCE RESIDUAL BENDING FLEXIBILITY CORRECTION FOR 2-NODE THICK BEAM BTS3  
 O P T I O N(S) 416 DATA FILE CREATED IN V15.0 OR LATER  
 O P T I O N(S) 433 USE HERMITIAN SHAPE FUNCTIONS TO FORMULATE THE MASS MATRIX FOR 2-NODE THICK BEAMS

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
JSH4	ELEMENTS			
1016	1319	1288	1426	1427
1017	1325	1296	1428	1429
1018	1322	1304	1430	1431
1019	1328	1312	1432	1433
1020	1412	1414	1434	1435
1021	1413	1415	1436	1437
1022	1416	1424	1438	1439
1023	1420	1331	1440	1441
1024	1421	1425	1442	1443
1025	1422	492	1444	1445
1026	1423	714	1446	1447

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
QTS4	ELEMENTS			
1	1	3	8	7
2	3	4	9	8
3	4	5	10	9
4	5	2	6	10
5	2	12	15	6
6	12	13	16	15
7	13	11	14	16
8	11	17	18	14
9	17	20	24	18
10	20	21	25	24
11	21	22	26	25
12	22	19	23	26
13	19	28	32	23
14	28	29	33	32
15	29	30	34	33
16	30	27	31	34
17	27	36	38	31
18	36	35	37	38
19	35	40	42	37
20	40	39	41	42
21	39	44	48	41
22	44	45	49	48

23	45	46	50	49
24	46	43	47	50
25	43	52	56	47
26	52	53	57	56
27	53	54	58	57
28	54	51	55	58
29	51	60	62	55
30	60	59	61	62
31	59	64	66	61
32	64	63	65	66
33	63	68	72	65
34	68	69	73	72
35	69	70	74	73
36	70	67	71	74
37	67	76	80	71
38	76	77	81	80
39	77	78	82	81
40	78	75	79	82
41	75	83	84	79
42	83	86	89	84
43	86	87	90	89
44	87	85	88	90
45	85	92	96	88
46	92	93	97	96
47	93	94	98	97
48	94	91	95	98
53	7	8	110	109
54	8	9	111	110
55	9	10	112	111
56	10	6	100	112
57	109	110	102	101
58	110	111	103	102
59	111	112	104	103
60	112	100	99	104
64	6	15	120	100
65	15	16	121	120
66	16	14	114	121
67	100	120	115	99
68	120	121	116	115
69	121	114	113	116
71	14	18	123	114
72	114	123	122	113
77	18	24	134	123
78	24	25	135	134
79	25	26	136	135
80	26	23	126	136
81	123	134	127	122
82	134	135	128	127
83	135	136	129	128
84	136	126	125	129
89	23	32	146	126
90	32	33	147	146
91	33	34	148	147
92	34	31	138	148
93	126	146	139	125
94	146	147	140	139
95	147	148	141	140
96	148	138	137	141
99	31	38	154	138
100	38	37	150	154
101	138	154	151	137
102	154	150	149	151
105	37	42	160	150
106	42	41	156	160
107	150	160	157	149
108	160	156	155	157
113	41	48	170	156
114	48	49	171	170
115	49	50	172	171
116	50	47	162	172
117	156	170	163	155
118	170	171	164	163
119	171	172	165	164
120	172	162	161	165
125	47	56	182	162
126	56	57	183	182
127	57	58	184	183
128	58	55	174	184
129	162	182	175	161
130	182	183	176	175
131	183	184	177	176
132	184	174	173	177
135	55	62	190	174
136	62	61	186	190
137	174	190	187	173
138	190	186	185	187
141	61	66	196	186
142	66	65	192	196
143	186	196	193	185
144	196	192	191	193
149	65	72	206	192
150	72	73	207	206
151	73	74	208	207
152	74	71	198	208
153	192	206	199	191
154	206	207	200	199
155	207	208	201	200
156	208	198	197	201

161	71	80	218	198
162	80	81	219	218
163	81	82	220	219
164	82	79	210	220
165	198	218	211	197
166	218	219	212	211
167	219	220	213	212
168	220	210	209	213
170	79	84	222	210
171	210	222	221	209
175	84	89	231	222
176	89	90	232	231
177	90	88	225	232
178	222	231	226	221
179	231	232	227	226
180	232	225	224	227
185	88	96	242	225
186	96	97	243	242
187	97	98	244	243
188	98	95	234	244
189	225	242	235	224
190	242	243	236	235
191	243	244	237	236
192	244	234	233	237
197	245	247	261	260
198	247	248	262	261
199	248	249	263	262
200	249	246	255	263
201	260	261	257	256
202	261	262	258	257
203	262	263	259	258
204	263	255	254	259
208	246	265	274	255
209	265	266	275	274
210	266	264	271	275
211	255	274	272	254
212	274	275	273	272
213	275	271	270	273
215	264	276	279	271
216	271	279	278	270
221	276	281	293	279
222	281	282	294	293
223	282	283	295	294
224	283	280	289	295
225	279	293	290	278
226	293	294	291	290
227	294	295	292	291
228	295	289	288	292
233	280	297	309	289
234	297	298	310	309
235	298	299	311	310
236	299	296	305	311
237	289	309	306	288
238	309	310	307	306
239	310	311	308	307
240	311	305	304	308
243	296	313	319	305
244	313	312	317	319
245	305	319	318	304
246	319	317	316	318
249	312	321	327	317
250	321	320	325	327
251	317	327	326	316
252	327	325	324	326
257	320	329	341	325
258	329	330	342	341
259	330	331	343	342
260	331	328	337	343
261	325	341	338	324
262	341	342	339	338
263	342	343	340	339
264	343	337	336	340
269	328	345	357	337
270	345	346	358	357
271	346	347	359	358
272	347	344	353	359
273	337	357	354	336
274	357	358	355	354
275	358	359	356	355
276	359	353	352	356
279	344	361	367	353
280	361	360	365	367
281	353	367	366	352
282	367	365	364	366
285	360	369	375	365
286	369	368	373	375
287	365	375	374	364
288	375	373	372	374
293	368	377	389	373
294	377	378	390	389
295	378	379	391	390
296	379	376	385	391
297	373	389	386	372
298	389	390	387	386
299	390	391	388	387
300	391	385	384	388
305	376	393	405	385
306	393	394	406	405

307	394	395	407	406
308	395	392	401	407
309	385	405	402	384
310	405	406	403	402
311	406	407	404	403
312	407	401	400	404
314	392	408	411	401
315	401	411	410	400
319	408	413	422	411
320	413	414	423	422
321	414	412	419	423
322	411	422	420	410
323	422	423	421	420
324	423	419	418	421
329	412	425	437	419
330	425	426	438	437
331	426	427	439	438
332	427	424	433	439
333	419	437	434	418
334	437	438	435	434
335	438	439	436	435
336	439	433	432	436
337	256	257	442	441
338	257	258	443	442
339	258	259	444	443
340	259	254	440	444
341	254	272	446	440
342	272	273	447	446
343	273	270	445	447
344	270	278	448	445
345	278	290	450	448
346	290	291	451	450
347	291	292	452	451
348	292	288	449	452
349	288	306	454	449
350	306	307	455	454
351	307	308	456	455
352	308	304	453	456
353	304	318	458	453
354	318	316	457	458
355	316	326	460	457
356	326	324	459	460
357	324	338	462	459
358	338	339	463	462
359	339	340	464	463
360	340	336	461	464
361	336	354	466	461
362	354	355	467	466
363	355	356	468	467
364	356	352	465	468
365	352	366	470	465
366	366	364	469	470
367	364	374	472	469
368	374	372	471	472
369	372	386	474	471
370	386	387	475	474
371	387	388	476	475
372	388	384	473	476
373	384	402	478	473
374	402	403	479	478
375	403	404	480	479
376	404	400	477	480
377	400	410	481	477
378	410	420	483	481
379	420	421	484	483
380	421	418	482	484
381	418	434	486	482
382	434	435	487	486
383	435	436	488	487
384	436	432	485	488
385	101	102	498	496
386	102	103	499	498
387	103	104	500	499
388	104	99	490	500
389	496	498	501	497
390	498	499	502	501
391	499	500	503	502
392	500	490	491	503
393	497	501	495	492
394	501	502	494	495
395	502	503	493	494
396	503	491	489	493
397	492	495	508	506
398	495	494	509	508
399	494	493	510	509
400	493	489	504	510
401	506	508	511	507
402	508	509	512	511
403	509	510	513	512
404	510	504	505	513
405	507	511	247	245
406	511	512	248	247
407	512	513	249	248
408	513	505	246	249
409	99	115	519	490
410	115	116	520	519
411	116	113	515	520
412	490	519	521	491

413	519	520	522	521
414	520	515	516	522
415	491	521	518	489
416	521	522	517	518
417	522	516	514	517
418	489	518	525	504
419	518	517	526	525
420	517	514	523	526
421	504	525	527	505
422	525	526	528	527
423	526	523	524	528
424	505	527	265	246
425	527	528	266	265
426	528	524	264	266
427	113	122	530	515
428	515	530	531	516
429	516	531	529	514
430	514	529	532	523
431	523	532	533	524
432	524	533	276	264
433	122	127	540	530
434	127	128	541	540
435	128	129	542	541
436	129	125	535	542
437	530	540	543	531
438	540	541	544	543
439	541	542	545	544
440	542	535	536	545
441	531	543	539	529
442	543	544	538	539
443	544	545	537	538
444	545	536	534	537
445	529	539	548	532
446	539	538	549	548
447	538	537	550	549
448	537	534	546	550
449	532	548	551	533
450	548	549	552	551
451	549	550	553	552
452	550	546	547	553
453	533	551	281	276
454	551	552	282	281
455	552	553	283	282
456	553	547	280	283
457	125	139	560	535
458	139	140	561	560
459	140	141	562	561
460	141	137	555	562
461	535	560	563	536
462	560	561	564	563
463	561	562	565	564
464	562	555	556	565
465	536	563	559	534
466	563	564	558	559
467	564	565	557	558
468	565	556	554	557
469	534	559	568	546
470	559	558	569	568
471	558	557	570	569
472	557	554	566	570
473	546	568	571	547
474	568	569	572	571
475	569	570	573	572
476	570	566	567	573
477	547	571	297	280
478	571	572	298	297
479	572	573	299	298
480	573	567	296	299
481	137	151	578	555
482	151	149	575	578
483	555	578	579	556
484	578	575	576	579
485	556	579	577	554
486	579	576	574	577
487	554	577	582	566
488	577	574	580	582
489	566	582	583	567
490	582	580	581	583
491	567	583	313	296
492	583	581	312	313
493	149	157	588	575
494	157	155	585	588
495	575	588	589	576
496	588	585	586	589
497	576	589	587	574
498	589	586	584	587
499	574	587	592	580
500	587	584	590	592
501	580	592	593	581
502	592	590	591	593
503	581	593	321	312
504	593	591	320	321
505	155	163	600	585
506	163	164	601	600
507	164	165	602	601
508	165	161	595	602
509	585	600	603	586
510	600	601	604	603

511	601	602	605	604
512	602	595	596	605
513	586	603	599	584
514	603	604	598	599
515	604	605	597	598
516	605	596	594	597
517	584	599	608	590
518	599	598	609	608
519	598	597	610	609
520	597	594	606	610
521	590	608	611	591
522	608	609	612	611
523	609	610	613	612
524	610	606	607	613
525	591	611	329	320
526	611	612	330	329
527	612	613	331	330
528	613	607	328	331
529	161	175	620	595
530	175	176	621	620
531	176	177	622	621
532	177	173	615	622
533	595	620	623	596
534	620	621	624	623
535	621	622	625	624
536	622	615	616	625
537	596	623	619	594
538	623	624	618	619
539	624	625	617	618
540	625	616	614	617
541	594	619	628	606
542	619	618	629	628
543	618	617	630	629
544	617	614	626	630
545	606	628	631	607
546	628	629	632	631
547	629	630	633	632
548	630	626	627	633
549	607	631	345	328
550	631	632	346	345
551	632	633	347	346
552	633	627	344	347
553	173	187	638	615
554	187	185	635	638
555	615	638	639	616
556	638	635	636	639
557	616	639	637	614
558	639	636	634	637
559	614	637	642	626
560	637	634	640	642
561	626	642	643	627
562	642	640	641	643
563	627	643	361	344
564	643	641	360	361
565	185	193	648	635
566	193	191	645	648
567	635	648	649	636
568	648	645	646	649
569	636	649	647	634
570	649	646	644	647
571	634	647	652	640
572	647	644	650	652
573	640	652	653	641
574	652	650	651	653
575	641	653	369	360
576	653	651	368	369
577	191	199	660	645
578	199	200	661	660
579	200	201	662	661
580	201	197	655	662
581	645	660	663	646
582	660	661	664	663
583	661	662	665	664
584	662	655	656	665
585	646	663	659	644
586	663	664	658	659
587	664	665	657	658
588	665	656	654	657
589	644	659	668	650
590	659	658	669	668
591	658	657	670	669
592	657	654	666	670
593	650	668	671	651
594	668	669	672	671
595	669	670	673	672
596	670	666	667	673
597	651	671	377	368
598	671	672	378	377
599	672	673	379	378
600	673	667	376	379
601	197	211	680	655
602	211	212	681	680
603	212	213	682	681
604	213	209	675	682
605	655	680	683	656
606	680	681	684	683
607	681	682	685	684
608	682	675	676	685



609	656	683	679	654
610	683	684	678	679
611	684	685	677	678
612	685	676	674	677
613	654	679	688	666
614	679	678	689	688
615	678	677	690	689
616	677	674	686	690
617	666	688	691	667
618	688	689	692	691
619	689	690	693	692
620	690	686	687	693
621	667	691	393	376
622	691	692	394	393
623	692	693	395	394
624	693	687	392	395
625	209	221	695	675
626	675	695	696	676
627	676	696	694	674
628	674	694	697	686
629	686	697	698	687
630	687	698	408	392
631	221	226	704	695
632	226	227	705	704
633	227	224	700	705
634	695	704	706	696
635	704	705	707	706
636	705	700	701	707
637	696	706	703	694
638	706	707	702	703
639	707	701	699	702
640	694	703	710	697
641	703	702	711	710
642	702	699	708	711
643	697	710	712	698
644	710	711	713	712
645	711	708	709	713
646	698	712	413	408
647	712	713	414	413
648	713	709	412	414
649	224	235	720	700
650	235	236	721	720
651	236	237	722	721
652	237	233	715	722
653	700	720	723	701
654	720	721	724	723
655	721	722	725	724
656	722	715	716	725
657	701	723	719	699
658	723	724	718	719
659	724	725	717	718
660	725	716	714	717
661	699	719	728	708
662	719	718	729	728
663	718	717	730	729
664	717	714	726	730
665	708	728	731	709
666	728	729	732	731
667	729	730	733	732
668	730	726	727	733
669	709	731	425	412
670	731	732	426	425
671	732	733	427	426
672	733	727	424	427

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS		
	ELEMENTS		
PM3			
1015	1417	1418	1419

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS	END CONDITIONS (C=CONSTRAINED, F=FREE, R=RESTRAINED)	
	ELEMENTS		
BMI21			
49	101	102	105
50	102	103	106
51	103	104	107
52	104	99	108
61	99	115	117
62	115	116	118
63	116	113	119
70	113	122	124
73	122	127	130
74	127	128	131
75	128	129	132
76	129	125	133

85	125	139	142
86	139	140	143
87	140	141	144
88	141	137	145
97	137	151	152
98	151	149	153
103	149	157	158
104	157	155	159
109	155	163	166
110	163	164	167
111	164	165	168
112	165	161	169
121	161	175	178
122	175	176	179
123	176	177	180
124	177	173	181
133	173	187	188
134	187	185	189
139	185	193	194
140	193	191	195
145	191	199	202
146	199	200	203
147	200	201	204
148	201	197	205
157	197	211	214
158	211	212	215
159	212	213	216
160	213	209	217
169	209	221	223
172	221	226	228
173	226	227	229
174	227	224	230
181	224	235	238
182	235	236	239
183	236	237	240
184	237	233	241
193	245	247	250
194	247	248	251
195	248	249	252
196	249	246	253
205	246	265	267
206	265	266	268
207	266	264	269
214	264	276	277
217	276	281	284
218	281	282	285
219	282	283	286
220	283	280	287
229	280	297	300
230	297	298	301
231	298	299	302
232	299	296	303
241	296	313	314
242	313	312	315
247	312	321	322
248	321	320	323
253	320	329	332
254	329	330	333
255	330	331	334
256	331	328	335
265	328	345	348
266	345	346	349
267	346	347	350
268	347	344	351
277	344	361	362
278	361	360	363
283	360	369	370
284	369	368	371
289	368	377	380
290	377	378	381
291	378	379	382
292	379	376	383
301	376	393	396
302	393	394	397
303	394	395	398
304	395	392	399
313	392	408	409
316	408	413	415
317	413	414	416
318	414	412	417
325	412	425	428
326	425	426	429
327	426	427	430
328	427	424	431
673	101	735	736
674	735	734	737
675	99	739	740
676	739	738	741
677	122	743	744
678	743	742	745
679	125	747	748
680	747	746	749
681	137	751	752
682	751	750	753
683	155	755	756
684	755	754	757
685	161	759	760
686	759	758	761

687	173	763	764
688	763	762	765
689	191	767	768
690	767	766	769
691	197	771	772
692	771	770	773
693	209	775	776
694	775	774	777
695	224	779	780
696	779	778	781
697	233	783	784
698	783	782	785
699	245	787	788
700	787	786	789
701	246	791	792
702	791	790	793
703	276	795	796
704	795	794	797
705	280	799	800
706	799	798	801
707	296	803	804
708	803	802	805
709	320	807	808
710	807	806	809
711	328	811	812
712	811	810	813
713	344	815	816
714	815	814	817
715	368	819	820
716	819	818	821
717	376	823	824
718	823	822	825
719	392	827	828
720	827	826	829
721	412	831	832
722	831	830	833
723	424	835	836
724	835	834	837
725	734	839	840
726	839	838	841
727	782	843	844
728	843	842	845
729	786	847	848
730	847	846	849
731	834	851	852
732	851	850	853
733	738	855	856
734	855	854	857
735	742	859	860
736	859	858	861
737	746	863	864
738	863	862	865
739	750	867	868
740	867	866	869
741	754	871	872
742	871	870	873
743	758	875	876
744	875	874	877
745	762	879	880
746	879	878	881
747	766	883	884
748	883	882	885
749	770	887	888
750	887	886	889
751	774	891	892
752	891	890	893
753	778	895	896
754	895	894	897
755	790	899	900
756	899	898	901
757	794	903	904
758	903	902	905
759	798	907	908
760	907	906	909
761	802	911	912
762	911	910	913
763	806	915	916
764	915	914	917
765	810	919	920
766	919	918	921
767	814	923	924
768	923	922	925
769	818	927	928
770	927	926	929
771	822	931	932
772	931	930	933
773	826	935	936
774	935	934	937
775	830	939	940
776	939	938	941
777	838	942	948
778	942	943	949
779	943	944	950
780	944	945	951
781	945	946	952
782	946	947	953
783	947	846	954
784	842	955	961

785	955	956	962
786	956	957	963
787	957	958	964
788	958	959	965
789	959	960	966
790	960	850	967
791	854	968	974
792	968	969	975
793	969	970	976
794	970	971	977
795	971	972	978
796	972	973	979
797	973	898	980
798	858	981	987
799	981	982	988
800	982	983	989
801	983	984	990
802	984	985	991
803	985	986	992
804	986	902	993
805	862	994	1000
806	994	995	1001
807	995	996	1002
808	996	997	1003
809	997	998	1004
810	998	999	1005
811	999	906	1006
812	866	1007	1013
813	1007	1008	1014
814	1008	1009	1015
815	1009	1010	1016
816	1010	1011	1017
817	1011	1012	1018
818	1012	910	1019
819	870	1020	1026
820	1020	1021	1027
821	1021	1022	1028
822	1022	1023	1029
823	1023	1024	1030
824	1024	1025	1031
825	1025	914	1032
826	874	1033	1039
827	1033	1034	1040
828	1034	1035	1041
829	1035	1036	1042
830	1036	1037	1043
831	1037	1038	1044
832	1038	918	1045
833	878	1046	1052
834	1046	1047	1053
835	1047	1048	1054
836	1048	1049	1055
837	1049	1050	1056
838	1050	1051	1057
839	1051	922	1058
840	882	1059	1065
841	1059	1060	1066
842	1060	1061	1067
843	1061	1062	1068
844	1062	1063	1069
845	1063	1064	1070
846	1064	926	1071
847	886	1072	1078
848	1072	1073	1079
849	1073	1074	1080
850	1074	1075	1081
851	1075	1076	1082
852	1076	1077	1083
853	1077	930	1084
854	890	1085	1091
855	1085	1086	1092
856	1086	1087	1093
857	1087	1088	1094
858	1088	1089	1095
859	1089	1090	1096
860	1090	934	1097
861	894	1098	1104
862	1098	1099	1105
863	1099	1100	1106
864	1100	1101	1107
865	1101	1102	1108
866	1102	1103	1109
867	1103	938	1110
868	1111	1113	1114
869	1113	1112	1115
870	854	1116	1117
871	1116	1111	1118
872	1119	1121	1122
873	1121	1120	1123
874	858	1124	1125
875	1124	1119	1126
876	1127	1129	1130
877	1129	1128	1131
878	862	1132	1133
879	1132	1127	1134
880	1135	1137	1138
881	1137	1136	1139
882	866	1140	1141

883	1140	1135	1142
884	1143	1145	1146
885	1145	1144	1147
886	870	1148	1149
887	1148	1143	1150
888	1151	1153	1154
889	1153	1152	1155
890	874	1156	1157
891	1156	1151	1158
892	1159	1161	1162
893	1161	1160	1163
894	878	1164	1165
895	1164	1159	1166
896	1167	1169	1170
897	1169	1168	1171
898	882	1172	1173
899	1172	1167	1174
900	1175	1177	1178
901	1177	1176	1179
902	886	1180	1181
903	1180	1175	1182
904	1183	1185	1186
905	1185	1184	1187
906	890	1188	1189
907	1188	1183	1190
908	1191	1193	1194
909	1193	1192	1195
910	894	1196	1197
911	1196	1191	1198
912	1199	1201	1202
913	1201	1200	1203
914	898	1204	1205
915	1204	1199	1206
916	1207	1209	1210
917	1209	1208	1211
918	902	1212	1213
919	1212	1207	1214
920	1215	1217	1218
921	1217	1216	1219
922	906	1220	1221
923	1220	1215	1222
924	1223	1225	1226
925	1225	1224	1227
926	910	1228	1229
927	1228	1223	1230
928	1231	1233	1234
929	1233	1232	1235
930	914	1236	1237
931	1236	1231	1238
932	1239	1241	1242
933	1241	1240	1243
934	918	1244	1245
935	1244	1239	1246
936	1247	1249	1250
937	1249	1248	1251
938	922	1252	1253
939	1252	1247	1254
940	1255	1257	1258
941	1257	1256	1259
942	926	1260	1261
943	1260	1255	1262
944	1263	1265	1266
945	1265	1264	1267
946	930	1268	1269
947	1268	1263	1270
948	1271	1273	1274
949	1273	1272	1275
950	934	1276	1277
951	1276	1271	1278
952	1279	1281	1282
953	1281	1280	1283
954	938	1284	1285
955	1284	1279	1286
956	1287	1289	1290
957	1289	1288	1291
958	838	1292	1293
959	1292	1287	1294
960	1295	1297	1298
961	1297	1296	1299
962	846	1300	1301
963	1300	1295	1302
964	1303	1305	1306
965	1305	1304	1307
966	842	1308	1309
967	1308	1303	1310
968	1311	1313	1314
969	1313	1312	1315
970	850	1316	1317
971	1316	1311	1318
972	1319	1320	1321
973	1322	1323	1324
974	1325	1326	1327
975	1328	1329	1330
976	1331	1332	1333
977	1334	1336	1342
978	1336	1337	1343
979	1337	1338	1344
980	1338	1339	1345

981	1339	1340	1346
982	1340	1341	1347
983	1341	1335	1348
984	1335	1350	1357
985	1350	1351	1358
986	1351	1352	1359
987	1352	1353	1360
988	1353	1354	1361
989	1354	1355	1362
990	1355	1356	1363
991	1356	1349	1364
992	1365	1367	1373
993	1367	1368	1374
994	1368	1369	1375
995	1369	1370	1376
996	1370	1371	1377
997	1371	1372	1378
998	1372	1366	1379
999	1366	1381	1388
1000	1381	1382	1389
1001	1382	1383	1390
1002	1383	1384	1391
1003	1384	1385	1392
1004	1385	1386	1393
1005	1386	1387	1394
1006	1387	1380	1395
1007	1396	1397	1400
1008	1397	1398	1401
1009	1398	1399	1402
1010	1399	1334	1403
1011	1404	1405	1408
1012	1405	1406	1409
1013	1406	1407	1410
1014	1407	1365	1411

TOTAL NUMBER OF ELEMENTS	=	1026
LARGEST ELEMENT NUMBER	=	1026
LARGEST NODE NUMBER	=	1447

DEFAULT SOLVER CHOSEN

NODE COORDINATES

NODE NO.	COORDINATE IN	COORDINATE IN	COORDINATE IN
	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
	M	M	M
1	0.000000E+00	0.000000E+00	0.000000E+00
2	3.87500	0.000000E+00	0.000000E+00
3	0.968750	0.000000E+00	0.000000E+00
4	1.93750	0.000000E+00	0.000000E+00
5	2.90625	0.000000E+00	0.000000E+00
6	4.13700	0.750000	0.000000E+00
7	0.262000	0.750000	0.000000E+00
8	1.23075	0.750000	0.000000E+00
9	2.19950	0.750000	0.000000E+00
10	3.16825	0.750000	0.000000E+00
11	7.25000	0.000000E+00	0.000000E+00
12	5.00000	0.000000E+00	0.000000E+00
13	6.12500	0.000000E+00	0.000000E+00
14	7.51200	0.750000	0.000000E+00
15	5.26200	0.750000	0.000000E+00
16	6.38700	0.750000	0.000000E+00
17	7.75000	0.000000E+00	0.000000E+00
18	8.01200	0.750000	0.000000E+00
19	11.6250	0.000000E+00	0.000000E+00
20	8.71875	0.000000E+00	0.000000E+00
21	9.68750	0.000000E+00	0.000000E+00
22	10.6562	0.000000E+00	0.000000E+00
23	11.8870	0.750000	0.000000E+00
24	8.98075	0.750000	0.000000E+00
25	9.94950	0.750000	0.000000E+00
26	10.9182	0.750000	0.000000E+00
27	15.5000	0.000000E+00	0.000000E+00
28	12.5938	0.000000E+00	0.000000E+00
29	13.5625	0.000000E+00	0.000000E+00
30	14.5313	0.000000E+00	0.000000E+00
31	15.7620	0.750000	0.000000E+00
32	12.8557	0.750000	0.000000E+00
33	13.8245	0.750000	0.000000E+00
34	14.7933	0.750000	0.000000E+00
35	17.2500	0.000000E+00	0.000000E+00
36	16.3750	0.000000E+00	0.000000E+00
37	17.5120	0.750000	0.000000E+00
38	16.6370	0.750000	0.000000E+00
39	19.3750	0.000000E+00	0.000000E+00
40	18.3125	0.000000E+00	0.000000E+00
41	19.6370	0.750000	0.000000E+00
42	18.5745	0.750000	0.000000E+00
43	23.2500	0.000000E+00	0.000000E+00
44	20.3438	0.000000E+00	0.000000E+00
45	21.3125	0.000000E+00	0.000000E+00

46	22.2813	0.000000E+00	0.000000E+00
47	23.5120	0.750000	0.000000E+00
48	20.6058	0.750000	0.000000E+00
49	21.5745	0.750000	0.000000E+00
50	22.5433	0.750000	0.000000E+00
51	27.1250	0.000000E+00	0.000000E+00
52	24.2187	0.000000E+00	0.000000E+00
53	25.1875	0.000000E+00	0.000000E+00
54	26.1563	0.000000E+00	0.000000E+00
55	27.3870	0.750000	0.000000E+00
56	24.4807	0.750000	0.000000E+00
57	25.4495	0.750000	0.000000E+00
58	26.4183	0.750000	0.000000E+00
59	29.2500	0.000000E+00	0.000000E+00
60	28.1875	0.000000E+00	0.000000E+00
61	29.5120	0.750000	0.000000E+00
62	28.4495	0.750000	0.000000E+00
63	31.0000	0.000000E+00	0.000000E+00
64	30.1250	0.000000E+00	0.000000E+00
65	31.2620	0.750000	0.000000E+00
66	30.3870	0.750000	0.000000E+00
67	34.8750	0.000000E+00	0.000000E+00
68	31.9687	0.000000E+00	0.000000E+00
69	32.9375	0.000000E+00	0.000000E+00
70	33.9062	0.000000E+00	0.000000E+00
71	35.1370	0.750000	0.000000E+00
72	32.2308	0.750000	0.000000E+00
73	33.1995	0.750000	0.000000E+00
74	34.1682	0.750000	0.000000E+00
75	38.7500	0.000000E+00	0.000000E+00
76	35.8438	0.000000E+00	0.000000E+00
77	36.8125	0.000000E+00	0.000000E+00
78	37.7813	0.000000E+00	0.000000E+00
79	39.0120	0.750000	0.000000E+00
80	36.1058	0.750000	0.000000E+00
81	37.0745	0.750000	0.000000E+00
82	38.0433	0.750000	0.000000E+00
83	39.2500	0.000000E+00	0.000000E+00
84	39.5120	0.750000	0.000000E+00
85	42.6250	0.000000E+00	0.000000E+00
86	40.3750	0.000000E+00	0.000000E+00
87	41.5000	0.000000E+00	0.000000E+00
88	42.8870	0.750000	0.000000E+00
89	40.6370	0.750000	0.000000E+00
90	41.7620	0.750000	0.000000E+00
91	46.5000	0.000000E+00	0.000000E+00
92	43.5938	0.000000E+00	0.000000E+00
93	44.5625	0.000000E+00	0.000000E+00
94	45.5312	0.000000E+00	0.000000E+00
95	46.7620	0.750000	0.000000E+00
96	43.8557	0.750000	0.000000E+00
97	44.8245	0.750000	0.000000E+00
98	45.7933	0.750000	0.000000E+00
99	4.76600	2.55000	0.000000E+00
100	4.45150	1.65000	0.000000E+00
101	0.891000	2.55000	0.000000E+00
102	1.85975	2.55000	0.000000E+00
103	2.82850	2.55000	0.000000E+00
104	3.79725	2.55000	0.000000E+00
105	0.891000	3.55000	0.000000E+00
106	1.85975	3.55000	0.000000E+00
107	2.82850	3.55000	0.000000E+00
108	3.79725	3.55000	0.000000E+00
109	0.576500	1.65000	0.000000E+00
110	1.54525	1.65000	0.000000E+00
111	2.51400	1.65000	0.000000E+00
112	3.48275	1.65000	0.000000E+00
113	8.14100	2.55000	0.000000E+00
114	7.82650	1.65000	0.000000E+00
115	5.89100	2.55000	0.000000E+00
116	7.01600	2.55000	0.000000E+00
117	4.76600	3.55000	0.000000E+00
118	5.89100	3.55000	0.000000E+00
119	7.01600	3.55000	0.000000E+00
120	5.57650	1.65000	0.000000E+00
121	6.70150	1.65000	0.000000E+00
122	8.64100	2.55000	0.000000E+00
123	8.32650	1.65000	0.000000E+00
124	8.14100	3.55000	0.000000E+00
125	12.5160	2.55000	0.000000E+00
126	12.2015	1.65000	0.000000E+00
127	9.60975	2.55000	0.000000E+00
128	10.5785	2.55000	0.000000E+00
129	11.5473	2.55000	0.000000E+00
130	8.64100	3.55000	0.000000E+00
131	9.60975	3.55000	0.000000E+00
132	10.5785	3.55000	0.000000E+00
133	11.5473	3.55000	0.000000E+00
134	9.29525	1.65000	0.000000E+00
135	10.2640	1.65000	0.000000E+00
136	11.2327	1.65000	0.000000E+00
137	16.3910	2.55000	0.000000E+00
138	16.0765	1.65000	0.000000E+00
139	13.4848	2.55000	0.000000E+00
140	14.4535	2.55000	0.000000E+00
141	15.4223	2.55000	0.000000E+00
142	12.5160	3.55000	0.000000E+00
143	13.4848	3.55000	0.000000E+00

144	14.4535	3.55000	0.000000E+00
145	15.4223	3.55000	0.000000E+00
146	13.1702	1.65000	0.000000E+00
147	14.1390	1.65000	0.000000E+00
148	15.1078	1.65000	0.000000E+00
149	18.1410	2.55000	0.000000E+00
150	17.8265	1.65000	0.000000E+00
151	17.2660	2.55000	0.000000E+00
152	16.3910	3.55000	0.000000E+00
153	17.2660	3.55000	0.000000E+00
154	16.9515	1.65000	0.000000E+00
155	20.2660	2.55000	0.000000E+00
156	19.9515	1.65000	0.000000E+00
157	19.2035	2.55000	0.000000E+00
158	18.1410	3.55000	0.000000E+00
159	19.2035	3.55000	0.000000E+00
160	18.8890	1.65000	0.000000E+00
161	24.1410	2.55000	0.000000E+00
162	23.8265	1.65000	0.000000E+00
163	21.2347	2.55000	0.000000E+00
164	22.2035	2.55000	0.000000E+00
165	23.1722	2.55000	0.000000E+00
166	20.2660	3.55000	0.000000E+00
167	21.2347	3.55000	0.000000E+00
168	22.2035	3.55000	0.000000E+00
169	23.1722	3.55000	0.000000E+00
170	20.9202	1.65000	0.000000E+00
171	21.8890	1.65000	0.000000E+00
172	22.8578	1.65000	0.000000E+00
173	28.0160	2.55000	0.000000E+00
174	27.7015	1.65000	0.000000E+00
175	25.1097	2.55000	0.000000E+00
176	26.0785	2.55000	0.000000E+00
177	27.0473	2.55000	0.000000E+00
178	24.1410	3.55000	0.000000E+00
179	25.1097	3.55000	0.000000E+00
180	26.0785	3.55000	0.000000E+00
181	27.0473	3.55000	0.000000E+00
182	24.7952	1.65000	0.000000E+00
183	25.7640	1.65000	0.000000E+00
184	26.7328	1.65000	0.000000E+00
185	30.1410	2.55000	0.000000E+00
186	29.8265	1.65000	0.000000E+00
187	29.0785	2.55000	0.000000E+00
188	28.0160	3.55000	0.000000E+00
189	29.0785	3.55000	0.000000E+00
190	28.7640	1.65000	0.000000E+00
191	31.8910	2.55000	0.000000E+00
192	31.5765	1.65000	0.000000E+00
193	31.0160	2.55000	0.000000E+00
194	30.1410	3.55000	0.000000E+00
195	31.0160	3.55000	0.000000E+00
196	30.7015	1.65000	0.000000E+00
197	35.7660	2.55000	0.000000E+00
198	35.4515	1.65000	0.000000E+00
199	32.8597	2.55000	0.000000E+00
200	33.8285	2.55000	0.000000E+00
201	34.7972	2.55000	0.000000E+00
202	31.8910	3.55000	0.000000E+00
203	32.8597	3.55000	0.000000E+00
204	33.8285	3.55000	0.000000E+00
205	34.7972	3.55000	0.000000E+00
206	32.5453	1.65000	0.000000E+00
207	33.5140	1.65000	0.000000E+00
208	34.4827	1.65000	0.000000E+00
209	39.6410	2.55000	0.000000E+00
210	39.3265	1.65000	0.000000E+00
211	36.7347	2.55000	0.000000E+00
212	37.7035	2.55000	0.000000E+00
213	38.6723	2.55000	0.000000E+00
214	35.7660	3.55000	0.000000E+00
215	36.7347	3.55000	0.000000E+00
216	37.7035	3.55000	0.000000E+00
217	38.6723	3.55000	0.000000E+00
218	36.4202	1.65000	0.000000E+00
219	37.3890	1.65000	0.000000E+00
220	38.3578	1.65000	0.000000E+00
221	40.1410	2.55000	0.000000E+00
222	39.8265	1.65000	0.000000E+00
223	39.6410	3.55000	0.000000E+00
224	43.5160	2.55000	0.000000E+00
225	43.2015	1.65000	0.000000E+00
226	41.2660	2.55000	0.000000E+00
227	42.3910	2.55000	0.000000E+00
228	40.1410	3.55000	0.000000E+00
229	41.2660	3.55000	0.000000E+00
230	42.3910	3.55000	0.000000E+00
231	40.9515	1.65000	0.000000E+00
232	42.0765	1.65000	0.000000E+00
233	47.3910	2.55000	0.000000E+00
234	47.0765	1.65000	0.000000E+00
235	44.4848	2.55000	0.000000E+00
236	45.4535	2.55000	0.000000E+00
237	46.4222	2.55000	0.000000E+00
238	43.5160	3.55000	0.000000E+00
239	44.4848	3.55000	0.000000E+00
240	45.4535	3.55000	0.000000E+00
241	46.4222	3.55000	0.000000E+00



242	44.1702	1.65000	0.000000E+00
243	45.1390	1.65000	0.000000E+00
244	46.1077	1.65000	0.000000E+00
245	3.18000	9.10000	0.000000E+00
246	7.05500	9.10000	0.000000E+00
247	4.14875	9.10000	0.000000E+00
248	5.11750	9.10000	0.000000E+00
249	6.08625	9.10000	0.000000E+00
250	3.18000	10.1000	0.000000E+00
251	4.14875	10.1000	0.000000E+00
252	5.11750	10.1000	0.000000E+00
253	6.08625	10.1000	0.000000E+00
254	7.61400	10.7000	0.000000E+00
255	7.33450	9.90000	0.000000E+00
256	3.73900	10.7000	0.000000E+00
257	4.70775	10.7000	0.000000E+00
258	5.67650	10.7000	0.000000E+00
259	6.64525	10.7000	0.000000E+00
260	3.45950	9.90000	0.000000E+00
261	4.42825	9.90000	0.000000E+00
262	5.39700	9.90000	0.000000E+00
263	6.36575	9.90000	0.000000E+00
264	10.4300	9.10000	0.000000E+00
265	8.18000	9.10000	0.000000E+00
266	9.30500	9.10000	0.000000E+00
267	7.05500	10.1000	0.000000E+00
268	8.18000	10.1000	0.000000E+00
269	9.30500	10.1000	0.000000E+00
270	10.9890	10.7000	0.000000E+00
271	10.7095	9.90000	0.000000E+00
272	8.73900	10.7000	0.000000E+00
273	9.86400	10.7000	0.000000E+00
274	8.45950	9.90000	0.000000E+00
275	9.58450	9.90000	0.000000E+00
276	10.9300	9.10000	0.000000E+00
277	10.4300	10.1000	0.000000E+00
278	11.4890	10.7000	0.000000E+00
279	11.2095	9.90000	0.000000E+00
280	14.8050	9.10000	0.000000E+00
281	11.8987	9.10000	0.000000E+00
282	12.8675	9.10000	0.000000E+00
283	13.8362	9.10000	0.000000E+00
284	10.9300	10.1000	0.000000E+00
285	11.8987	10.1000	0.000000E+00
286	12.8675	10.1000	0.000000E+00
287	13.8362	10.1000	0.000000E+00
288	15.3640	10.7000	0.000000E+00
289	15.0845	9.90000	0.000000E+00
290	12.4577	10.7000	0.000000E+00
291	13.4265	10.7000	0.000000E+00
292	14.3952	10.7000	0.000000E+00
293	12.1782	9.90000	0.000000E+00
294	13.1470	9.90000	0.000000E+00
295	14.1157	9.90000	0.000000E+00
296	18.6800	9.10000	0.000000E+00
297	15.7737	9.10000	0.000000E+00
298	16.7425	9.10000	0.000000E+00
299	17.7113	9.10000	0.000000E+00
300	14.8050	10.1000	0.000000E+00
301	15.7737	10.1000	0.000000E+00
302	16.7425	10.1000	0.000000E+00
303	17.7113	10.1000	0.000000E+00
304	19.2390	10.7000	0.000000E+00
305	18.9595	9.90000	0.000000E+00
306	16.3328	10.7000	0.000000E+00
307	17.3015	10.7000	0.000000E+00
308	18.2703	10.7000	0.000000E+00
309	16.0532	9.90000	0.000000E+00
310	17.0220	9.90000	0.000000E+00
311	17.9908	9.90000	0.000000E+00
312	20.4300	9.10000	0.000000E+00
313	19.5550	9.10000	0.000000E+00
314	18.6800	10.1000	0.000000E+00
315	19.5550	10.1000	0.000000E+00
316	20.9890	10.7000	0.000000E+00
317	20.7095	9.90000	0.000000E+00
318	20.1140	10.7000	0.000000E+00
319	19.8345	9.90000	0.000000E+00
320	22.5550	9.10000	0.000000E+00
321	21.4925	9.10000	0.000000E+00
322	20.4300	10.1000	0.000000E+00
323	21.4925	10.1000	0.000000E+00
324	23.1140	10.7000	0.000000E+00
325	22.8345	9.90000	0.000000E+00
326	22.0515	10.7000	0.000000E+00
327	21.7720	9.90000	0.000000E+00
328	26.4300	9.10000	0.000000E+00
329	23.5237	9.10000	0.000000E+00
330	24.4925	9.10000	0.000000E+00
331	25.4612	9.10000	0.000000E+00
332	22.5550	10.1000	0.000000E+00
333	23.5237	10.1000	0.000000E+00
334	24.4925	10.1000	0.000000E+00
335	25.4612	10.1000	0.000000E+00
336	26.9890	10.7000	0.000000E+00
337	26.7095	9.90000	0.000000E+00
338	24.0827	10.7000	0.000000E+00
339	25.0515	10.7000	0.000000E+00

340	26.0202	10.7000	0.000000E+00
341	23.8032	9.90000	0.000000E+00
342	24.7720	9.90000	0.000000E+00
343	25.7407	9.90000	0.000000E+00
344	30.3050	9.10000	0.000000E+00
345	27.3987	9.10000	0.000000E+00
346	28.3675	9.10000	0.000000E+00
347	29.3363	9.10000	0.000000E+00
348	26.4300	10.1000	0.000000E+00
349	27.3987	10.1000	0.000000E+00
350	28.3675	10.1000	0.000000E+00
351	29.3363	10.1000	0.000000E+00
352	30.8640	10.7000	0.000000E+00
353	30.5845	9.90000	0.000000E+00
354	27.9577	10.7000	0.000000E+00
355	28.9265	10.7000	0.000000E+00
356	29.8953	10.7000	0.000000E+00
357	27.6783	9.90000	0.000000E+00
358	28.6470	9.90000	0.000000E+00
359	29.6158	9.90000	0.000000E+00
360	32.4300	9.10000	0.000000E+00
361	31.3675	9.10000	0.000000E+00
362	30.3050	10.1000	0.000000E+00
363	31.3675	10.1000	0.000000E+00
364	32.9890	10.7000	0.000000E+00
365	32.7095	9.90000	0.000000E+00
366	31.9265	10.7000	0.000000E+00
367	31.6470	9.90000	0.000000E+00
368	34.1800	9.10000	0.000000E+00
369	33.3050	9.10000	0.000000E+00
370	32.4300	10.1000	0.000000E+00
371	33.3050	10.1000	0.000000E+00
372	34.7390	10.7000	0.000000E+00
373	34.4595	9.90000	0.000000E+00
374	33.8640	10.7000	0.000000E+00
375	33.5845	9.90000	0.000000E+00
376	38.0550	9.10000	0.000000E+00
377	35.1487	9.10000	0.000000E+00
378	36.1175	9.10000	0.000000E+00
379	37.0862	9.10000	0.000000E+00
380	34.1800	10.1000	0.000000E+00
381	35.1487	10.1000	0.000000E+00
382	36.1175	10.1000	0.000000E+00
383	37.0862	10.1000	0.000000E+00
384	38.6140	10.7000	0.000000E+00
385	38.3345	9.90000	0.000000E+00
386	35.7077	10.7000	0.000000E+00
387	36.6765	10.7000	0.000000E+00
388	37.6453	10.7000	0.000000E+00
389	35.4282	9.90000	0.000000E+00
390	36.3970	9.90000	0.000000E+00
391	37.3657	9.90000	0.000000E+00
392	41.9300	9.10000	0.000000E+00
393	39.0237	9.10000	0.000000E+00
394	39.9925	9.10000	0.000000E+00
395	40.9613	9.10000	0.000000E+00
396	38.0550	10.1000	0.000000E+00
397	39.0237	10.1000	0.000000E+00
398	39.9925	10.1000	0.000000E+00
399	40.9613	10.1000	0.000000E+00
400	42.4890	10.7000	0.000000E+00
401	42.2095	9.90000	0.000000E+00
402	39.5827	10.7000	0.000000E+00
403	40.5515	10.7000	0.000000E+00
404	41.5203	10.7000	0.000000E+00
405	39.3032	9.90000	0.000000E+00
406	40.2720	9.90000	0.000000E+00
407	41.2408	9.90000	0.000000E+00
408	42.4300	9.10000	0.000000E+00
409	41.9300	10.1000	0.000000E+00
410	42.9890	10.7000	0.000000E+00
411	42.7095	9.90000	0.000000E+00
412	45.8050	9.10000	0.000000E+00
413	43.5550	9.10000	0.000000E+00
414	44.6800	9.10000	0.000000E+00
415	42.4300	10.1000	0.000000E+00
416	43.5550	10.1000	0.000000E+00
417	44.6800	10.1000	0.000000E+00
418	46.3640	10.7000	0.000000E+00
419	46.0845	9.90000	0.000000E+00
420	44.1140	10.7000	0.000000E+00
421	45.2390	10.7000	0.000000E+00
422	43.8345	9.90000	0.000000E+00
423	44.9595	9.90000	0.000000E+00
424	49.6800	9.10000	0.000000E+00
425	46.7737	9.10000	0.000000E+00
426	47.7425	9.10000	0.000000E+00
427	48.7112	9.10000	0.000000E+00
428	45.8050	10.1000	0.000000E+00
429	46.7737	10.1000	0.000000E+00
430	47.7425	10.1000	0.000000E+00
431	48.7112	10.1000	0.000000E+00
432	50.2390	10.7000	0.000000E+00
433	49.9595	9.90000	0.000000E+00
434	47.3328	10.7000	0.000000E+00
435	48.3015	10.7000	0.000000E+00
436	49.2702	10.7000	0.000000E+00
437	47.0533	9.90000	0.000000E+00

438	48.0220	9.90000	0.000000E+00
439	48.9907	9.90000	0.000000E+00
440	7.87600	11.4500	0.000000E+00
441	4.00100	11.4500	0.000000E+00
442	4.96975	11.4500	0.000000E+00
443	5.93850	11.4500	0.000000E+00
444	6.90725	11.4500	0.000000E+00
445	11.2510	11.4500	0.000000E+00
446	9.00100	11.4500	0.000000E+00
447	10.1260	11.4500	0.000000E+00
448	11.7510	11.4500	0.000000E+00
449	15.6260	11.4500	0.000000E+00
450	12.7197	11.4500	0.000000E+00
451	13.6885	11.4500	0.000000E+00
452	14.6572	11.4500	0.000000E+00
453	19.5010	11.4500	0.000000E+00
454	16.5948	11.4500	0.000000E+00
455	17.5635	11.4500	0.000000E+00
456	18.5323	11.4500	0.000000E+00
457	21.2510	11.4500	0.000000E+00
458	20.3760	11.4500	0.000000E+00
459	23.3760	11.4500	0.000000E+00
460	22.3135	11.4500	0.000000E+00
461	27.2510	11.4500	0.000000E+00
462	24.3447	11.4500	0.000000E+00
463	25.3135	11.4500	0.000000E+00
464	26.2823	11.4500	0.000000E+00
465	31.1260	11.4500	0.000000E+00
466	28.2197	11.4500	0.000000E+00
467	29.1885	11.4500	0.000000E+00
468	30.1573	11.4500	0.000000E+00
469	33.2510	11.4500	0.000000E+00
470	32.1885	11.4500	0.000000E+00
471	35.0010	11.4500	0.000000E+00
472	34.1260	11.4500	0.000000E+00
473	38.8760	11.4500	0.000000E+00
474	35.9697	11.4500	0.000000E+00
475	36.9385	11.4500	0.000000E+00
476	37.9073	11.4500	0.000000E+00
477	42.7510	11.4500	0.000000E+00
478	39.8447	11.4500	0.000000E+00
479	40.8135	11.4500	0.000000E+00
480	41.7823	11.4500	0.000000E+00
481	43.2510	11.4500	0.000000E+00
482	46.6260	11.4500	0.000000E+00
483	44.3760	11.4500	0.000000E+00
484	45.5010	11.4500	0.000000E+00
485	50.5010	11.4500	0.000000E+00
486	47.5948	11.4500	0.000000E+00
487	48.5635	11.4500	0.000000E+00
488	49.5323	11.4500	0.000000E+00
489	5.91050	5.82500	0.000000E+00
490	5.14750	3.64167	0.000000E+00
491	5.52900	4.73333	0.000000E+00
492	2.03550	5.82500	0.000000E+00
493	4.94175	5.82500	0.000000E+00
494	3.97300	5.82500	0.000000E+00
495	3.00425	5.82500	0.000000E+00
496	1.27250	3.64167	0.000000E+00
497	1.65400	4.73333	0.000000E+00
498	2.24125	3.64167	0.000000E+00
499	3.21000	3.64167	0.000000E+00
500	4.17875	3.64167	0.000000E+00
501	2.62275	4.73333	0.000000E+00
502	3.59150	4.73333	0.000000E+00
503	4.56025	4.73333	0.000000E+00
504	6.29200	6.91667	0.000000E+00
505	6.67350	8.00833	0.000000E+00
506	2.41700	6.91667	0.000000E+00
507	2.79850	8.00833	0.000000E+00
508	3.38575	6.91667	0.000000E+00
509	4.35450	6.91667	0.000000E+00
510	5.32325	6.91667	0.000000E+00
511	3.76725	8.00833	0.000000E+00
512	4.73600	8.00833	0.000000E+00
513	5.70475	8.00833	0.000000E+00
514	9.28550	5.82500	0.000000E+00
515	8.52250	3.64167	0.000000E+00
516	8.90400	4.73333	0.000000E+00
517	8.16050	5.82500	0.000000E+00
518	7.03550	5.82500	0.000000E+00
519	6.27250	3.64167	0.000000E+00
520	7.39750	3.64167	0.000000E+00
521	6.65400	4.73333	0.000000E+00
522	7.77900	4.73333	0.000000E+00
523	9.66700	6.91667	0.000000E+00
524	10.0485	8.00833	0.000000E+00
525	7.41700	6.91667	0.000000E+00
526	8.54200	6.91667	0.000000E+00
527	7.79850	8.00833	0.000000E+00
528	8.92350	8.00833	0.000000E+00
529	9.78550	5.82500	0.000000E+00
530	9.02250	3.64167	0.000000E+00
531	9.40400	4.73333	0.000000E+00
532	10.1670	6.91667	0.000000E+00
533	10.5485	8.00833	0.000000E+00
534	13.6605	5.82500	0.000000E+00
535	12.8975	3.64167	0.000000E+00

536	13.2790	4.73333	0.00000E+00
537	12.6917	5.82500	0.00000E+00
538	11.7230	5.82500	0.00000E+00
539	10.7542	5.82500	0.00000E+00
540	9.99125	3.64167	0.00000E+00
541	10.9600	3.64167	0.00000E+00
542	11.9288	3.64167	0.00000E+00
543	10.3727	4.73333	0.00000E+00
544	11.3415	4.73333	0.00000E+00
545	12.3102	4.73333	0.00000E+00
546	14.0420	6.91667	0.00000E+00
547	14.4235	8.00833	0.00000E+00
548	11.1357	6.91667	0.00000E+00
549	12.1045	6.91667	0.00000E+00
550	13.0732	6.91667	0.00000E+00
551	11.5172	8.00833	0.00000E+00
552	12.4860	8.00833	0.00000E+00
553	13.4548	8.00833	0.00000E+00
554	17.5355	5.82500	0.00000E+00
555	16.7725	3.64167	0.00000E+00
556	17.1540	4.73333	0.00000E+00
557	16.5668	5.82500	0.277556E-16
558	15.5980	5.82500	0.277556E-16
559	14.6292	5.82500	0.277556E-16
560	13.8663	3.64167	0.00000E+00
561	14.8350	3.64167	0.00000E+00
562	15.8038	3.64167	0.00000E+00
563	14.2477	4.73333	0.00000E+00
564	15.2165	4.73333	0.00000E+00
565	16.1853	4.73333	0.00000E+00
566	17.9170	6.91667	0.00000E+00
567	18.2985	8.00833	0.00000E+00
568	15.0107	6.91667	0.00000E+00
569	15.9795	6.91667	0.00000E+00
570	16.9483	6.91667	0.00000E+00
571	15.3922	8.00833	0.00000E+00
572	16.3610	8.00833	0.00000E+00
573	17.3298	8.00833	0.00000E+00
574	19.2855	5.82500	0.00000E+00
575	18.5225	3.64167	0.00000E+00
576	18.9040	4.73333	0.00000E+00
577	18.4105	5.82500	0.00000E+00
578	17.6475	3.64167	0.00000E+00
579	18.0290	4.73333	0.00000E+00
580	19.6670	6.91667	0.00000E+00
581	20.0485	8.00833	0.00000E+00
582	18.7920	6.91667	0.00000E+00
583	19.1735	8.00833	0.00000E+00
584	21.4105	5.82500	0.00000E+00
585	20.6475	3.64167	0.00000E+00
586	21.0290	4.73333	0.00000E+00
587	20.3480	5.82500	0.00000E+00
588	19.5850	3.64167	0.00000E+00
589	19.9665	4.73333	0.00000E+00
590	21.7920	6.91667	0.00000E+00
591	22.1735	8.00833	0.00000E+00
592	20.7295	6.91667	0.00000E+00
593	21.1110	8.00833	0.00000E+00
594	25.2855	5.82500	0.00000E+00
595	24.5225	3.64167	0.00000E+00
596	24.9040	4.73333	0.00000E+00
597	24.3167	5.82500	0.00000E+00
598	23.3480	5.82500	0.00000E+00
599	22.3793	5.82500	0.00000E+00
600	21.6163	3.64167	0.00000E+00
601	22.5850	3.64167	0.00000E+00
602	23.5537	3.64167	0.00000E+00
603	21.9977	4.73333	0.00000E+00
604	22.9665	4.73333	0.00000E+00
605	23.9352	4.73333	0.00000E+00
606	25.6670	6.91667	0.00000E+00
607	26.0485	8.00833	0.00000E+00
608	22.7607	6.91667	0.00000E+00
609	23.7295	6.91667	0.00000E+00
610	24.6982	6.91667	0.00000E+00
611	23.1422	8.00833	0.00000E+00
612	24.1110	8.00833	0.00000E+00
613	25.0798	8.00833	0.00000E+00
614	29.1605	5.82500	0.00000E+00
615	28.3975	3.64167	0.00000E+00
616	28.7790	4.73333	0.00000E+00
617	28.1918	5.82500	0.00000E+00
618	27.2230	5.82500	0.00000E+00
619	26.2542	5.82500	0.00000E+00
620	25.4913	3.64167	0.00000E+00
621	26.4600	3.64167	0.00000E+00
622	27.4288	3.64167	0.00000E+00
623	25.8727	4.73333	0.00000E+00
624	26.8415	4.73333	0.00000E+00
625	27.8103	4.73333	0.00000E+00
626	29.5420	6.91667	0.00000E+00
627	29.9235	8.00833	0.00000E+00
628	26.6358	6.91667	0.00000E+00
629	27.6045	6.91667	0.00000E+00
630	28.5733	6.91667	0.00000E+00
631	27.0173	8.00833	0.00000E+00
632	27.9860	8.00833	0.00000E+00
633	28.9548	8.00833	0.00000E+00

634	31.2855	5.82500	0.000000E+00
635	30.5225	3.64167	0.000000E+00
636	30.9040	4.73333	0.000000E+00
637	30.2230	5.82500	0.000000E+00
638	29.4600	3.64167	0.000000E+00
639	29.8415	4.73333	0.000000E+00
640	31.6670	6.91667	0.000000E+00
641	32.0485	8.00833	0.000000E+00
642	30.6045	6.91667	0.000000E+00
643	30.9860	8.00833	0.000000E+00
644	33.0355	5.82500	0.000000E+00
645	32.2725	3.64167	0.000000E+00
646	32.6540	4.73333	0.000000E+00
647	32.1605	5.82500	0.000000E+00
648	31.3975	3.64167	0.000000E+00
649	31.7790	4.73333	0.000000E+00
650	33.4170	6.91667	0.000000E+00
651	33.7985	8.00833	0.000000E+00
652	32.5420	6.91667	0.000000E+00
653	32.9235	8.00833	0.000000E+00
654	36.9105	5.82500	0.000000E+00
655	36.1475	3.64167	0.000000E+00
656	36.5290	4.73333	0.000000E+00
657	35.9417	5.82500	0.124900E-15
658	34.9730	5.82500	0.971445E-16
659	34.0042	5.82500	0.971445E-16
660	33.2413	3.64167	0.000000E+00
661	34.2100	3.64167	0.000000E+00
662	35.1787	3.64167	0.000000E+00
663	33.6227	4.73333	0.000000E+00
664	34.5915	4.73333	0.000000E+00
665	35.5602	4.73333	0.000000E+00
666	37.2920	6.91667	0.000000E+00
667	37.6735	8.00833	0.000000E+00
668	34.3857	6.91667	0.000000E+00
669	35.3545	6.91667	0.000000E+00
670	36.3233	6.91667	0.000000E+00
671	34.7672	8.00833	0.000000E+00
672	35.7360	8.00833	0.000000E+00
673	36.7047	8.00833	0.000000E+00
674	40.7855	5.82500	0.000000E+00
675	40.0225	3.64167	0.000000E+00
676	40.4040	4.73333	0.000000E+00
677	39.8168	5.82500	-0.832667E-16
678	38.8480	5.82500	-0.832667E-16
679	37.8793	5.82500	-0.832667E-16
680	37.1162	3.64167	0.000000E+00
681	38.0850	3.64167	0.000000E+00
682	39.0538	3.64167	0.000000E+00
683	37.4978	4.73333	0.000000E+00
684	38.4665	4.73333	0.000000E+00
685	39.4353	4.73333	0.000000E+00
686	41.1670	6.91667	0.000000E+00
687	41.5485	8.00833	0.000000E+00
688	38.2607	6.91667	0.000000E+00
689	39.2295	6.91667	0.000000E+00
690	40.1983	6.91667	0.000000E+00
691	38.6422	8.00833	0.000000E+00
692	39.6110	8.00833	0.000000E+00
693	40.5798	8.00833	0.000000E+00
694	41.2855	5.82500	0.000000E+00
695	40.5225	3.64167	0.000000E+00
696	40.9040	4.73333	0.000000E+00
697	41.6670	6.91667	0.000000E+00
698	42.0485	8.00833	0.000000E+00
699	44.6605	5.82500	0.000000E+00
700	43.8975	3.64167	0.000000E+00
701	44.2790	4.73333	0.000000E+00
702	43.5355	5.82500	0.000000E+00
703	42.4105	5.82500	0.000000E+00
704	41.6475	3.64167	0.000000E+00
705	42.7725	3.64167	0.000000E+00
706	42.0290	4.73333	0.000000E+00
707	43.1540	4.73333	0.000000E+00
708	45.0420	6.91667	0.000000E+00
709	45.4235	8.00833	0.000000E+00
710	42.7920	6.91667	0.000000E+00
711	43.9170	6.91667	0.000000E+00
712	43.1735	8.00833	0.000000E+00
713	44.2985	8.00833	0.000000E+00
714	48.5355	5.82500	0.000000E+00
715	47.7725	3.64167	0.000000E+00
716	48.1540	4.73333	0.000000E+00
717	47.5668	5.82500	0.000000E+00
718	46.5980	5.82500	0.000000E+00
719	45.6292	5.82500	0.000000E+00
720	44.8663	3.64167	0.000000E+00
721	45.8350	3.64167	0.000000E+00
722	46.8037	3.64167	0.000000E+00
723	45.2477	4.73333	0.000000E+00
724	46.2165	4.73333	0.000000E+00
725	47.1852	4.73333	0.000000E+00
726	48.9170	6.91667	0.000000E+00
727	49.2985	8.00833	0.000000E+00
728	46.0108	6.91667	0.000000E+00
729	46.9795	6.91667	0.000000E+00
730	47.9482	6.91667	0.000000E+00
731	46.3923	8.00833	0.000000E+00

732	47.3610	8.00833	0.00000E+00
733	48.3297	8.00833	0.00000E+00
734	0.891000	2.55000	-0.550000
735	0.891000	2.55000	-0.275000
736	-0.109000	2.55000	0.00000E+00
737	-0.109000	2.55000	-0.275000
738	4.76600	2.55000	-0.605000
739	4.76600	2.55000	-0.302500
740	3.76600	2.55000	0.00000E+00
741	3.76600	2.55000	-0.302500
742	8.64100	2.55000	-0.605000
743	8.64100	2.55000	-0.302500
744	7.64100	2.55000	0.00000E+00
745	7.64100	2.55000	-0.302500
746	12.5160	2.55000	-0.605000
747	12.5160	2.55000	-0.302500
748	11.5160	2.55000	0.00000E+00
749	11.5160	2.55000	-0.302500
750	16.3910	2.55000	-0.605000
751	16.3910	2.55000	-0.302500
752	15.3910	2.55000	0.00000E+00
753	15.3910	2.55000	-0.302500
754	20.2660	2.55000	-0.605000
755	20.2660	2.55000	-0.302500
756	19.2660	2.55000	0.00000E+00
757	19.2660	2.55000	-0.302500
758	24.1410	2.55000	-0.605000
759	24.1410	2.55000	-0.302500
760	23.1410	2.55000	0.00000E+00
761	23.1410	2.55000	-0.302500
762	28.0160	2.55000	-0.605000
763	28.0160	2.55000	-0.302500
764	27.0160	2.55000	0.00000E+00
765	27.0160	2.55000	-0.302500
766	31.8910	2.55000	-0.605000
767	31.8910	2.55000	-0.302500
768	30.8910	2.55000	0.00000E+00
769	30.8910	2.55000	-0.302500
770	35.7660	2.55000	-0.605000
771	35.7660	2.55000	-0.302500
772	34.7660	2.55000	0.00000E+00
773	34.7660	2.55000	-0.302500
774	39.6410	2.55000	-0.605000
775	39.6410	2.55000	-0.302500
776	38.6410	2.55000	0.00000E+00
777	38.6410	2.55000	-0.302500
778	43.5160	2.55000	-0.605000
779	43.5160	2.55000	-0.302500
780	42.5160	2.55000	0.00000E+00
781	42.5160	2.55000	-0.302500
782	47.3910	2.55000	-0.550000
783	47.3910	2.55000	-0.275000
784	46.3910	2.55000	0.00000E+00
785	46.3910	2.55000	-0.275000
786	3.18000	9.10000	-0.550000
787	3.18000	9.10000	-0.275000
788	4.18000	9.10000	0.00000E+00
789	4.18000	9.10000	-0.275000
790	7.05500	9.10000	-0.605000
791	7.05500	9.10000	-0.302500
792	8.05500	9.10000	0.00000E+00
793	8.05500	9.10000	-0.302500
794	10.9300	9.10000	-0.605000
795	10.9300	9.10000	-0.302500
796	11.9300	9.10000	0.00000E+00
797	11.9300	9.10000	-0.302500
798	14.8050	9.10000	-0.605000
799	14.8050	9.10000	-0.302500
800	15.8050	9.10000	0.00000E+00
801	15.8050	9.10000	-0.302500
802	18.6800	9.10000	-0.605000
803	18.6800	9.10000	-0.302500
804	19.6800	9.10000	0.00000E+00
805	19.6800	9.10000	-0.302500
806	22.5550	9.10000	-0.605000
807	22.5550	9.10000	-0.302500
808	23.5550	9.10000	0.00000E+00
809	23.5550	9.10000	-0.302500
810	26.4300	9.10000	-0.605000
811	26.4300	9.10000	-0.302500
812	27.4300	9.10000	0.00000E+00
813	27.4300	9.10000	-0.302500
814	30.3050	9.10000	-0.605000
815	30.3050	9.10000	-0.302500
816	31.3050	9.10000	0.00000E+00
817	31.3050	9.10000	-0.302500
818	34.1800	9.10000	-0.605000
819	34.1800	9.10000	-0.302500
820	35.1800	9.10000	0.00000E+00
821	35.1800	9.10000	-0.302500
822	38.0550	9.10000	-0.605000
823	38.0550	9.10000	-0.302500
824	39.0550	9.10000	0.00000E+00
825	39.0550	9.10000	-0.302500
826	41.9300	9.10000	-0.605000
827	41.9300	9.10000	-0.302500
828	42.9300	9.10000	0.00000E+00
829	42.9300	9.10000	-0.302500

830	45.8050	9.10000	-0.605000
831	45.8050	9.10000	-0.302500
832	46.8050	9.10000	0.000000E+00
833	46.8050	9.10000	-0.302500
834	49.6800	9.10000	-0.550000
835	49.6800	9.10000	-0.275000
836	50.6800	9.10000	0.000000E+00
837	50.6800	9.10000	-0.275000
838	0.891000	2.55000	-1.00000
839	0.891000	2.55000	-0.775000
840	-0.109000	2.55000	-0.550000
841	-0.109000	2.55000	-0.775000
842	47.3910	2.55000	-1.00000
843	47.3910	2.55000	-0.775000
844	46.3910	2.55000	-0.550000
845	46.3910	2.55000	-0.775000
846	3.18000	9.10000	-1.00000
847	3.18000	9.10000	-0.775000
848	4.18000	9.10000	-0.550000
849	4.18000	9.10000	-0.775000
850	49.6800	9.10000	-1.00000
851	49.6800	9.10000	-0.775000
852	50.6800	9.10000	-0.550000
853	50.6800	9.10000	-0.775000
854	4.76600	2.55000	-1.00500
855	4.76600	2.55000	-0.805000
856	3.76600	2.55000	-0.605000
857	3.76600	2.55000	-0.805000
858	8.64100	2.55000	-1.00500
859	8.64100	2.55000	-0.805000
860	7.64100	2.55000	-0.605000
861	7.64100	2.55000	-0.805000
862	12.5160	2.55000	-1.00500
863	12.5160	2.55000	-0.805000
864	11.5160	2.55000	-0.605000
865	11.5160	2.55000	-0.805000
866	16.3910	2.55000	-1.00500
867	16.3910	2.55000	-0.805000
868	15.3910	2.55000	-0.605000
869	15.3910	2.55000	-0.805000
870	20.2660	2.55000	-1.00500
871	20.2660	2.55000	-0.805000
872	19.2660	2.55000	-0.605000
873	19.2660	2.55000	-0.805000
874	24.1410	2.55000	-1.00500
875	24.1410	2.55000	-0.805000
876	23.1410	2.55000	-0.605000
877	23.1410	2.55000	-0.805000
878	28.0160	2.55000	-1.00500
879	28.0160	2.55000	-0.805000
880	27.0160	2.55000	-0.605000
881	27.0160	2.55000	-0.805000
882	31.8910	2.55000	-1.00500
883	31.8910	2.55000	-0.805000
884	30.8910	2.55000	-0.605000
885	30.8910	2.55000	-0.805000
886	35.7660	2.55000	-1.00500
887	35.7660	2.55000	-0.805000
888	34.7660	2.55000	-0.605000
889	34.7660	2.55000	-0.805000
890	39.6410	2.55000	-1.00500
891	39.6410	2.55000	-0.805000
892	38.6410	2.55000	-0.605000
893	38.6410	2.55000	-0.805000
894	43.5160	2.55000	-1.00500
895	43.5160	2.55000	-0.805000
896	42.5160	2.55000	-0.605000
897	42.5160	2.55000	-0.805000
898	7.05500	9.10000	-1.00500
899	7.05500	9.10000	-0.805000
900	8.05500	9.10000	-0.605000
901	8.05500	9.10000	-0.805000
902	10.9300	9.10000	-1.00500
903	10.9300	9.10000	-0.805000
904	11.9300	9.10000	-0.605000
905	11.9300	9.10000	-0.805000
906	14.8050	9.10000	-1.00500
907	14.8050	9.10000	-0.805000
908	15.8050	9.10000	-0.605000
909	15.8050	9.10000	-0.805000
910	18.6800	9.10000	-1.00500
911	18.6800	9.10000	-0.805000
912	19.6800	9.10000	-0.605000
913	19.6800	9.10000	-0.805000
914	22.5550	9.10000	-1.00500
915	22.5550	9.10000	-0.805000
916	23.5550	9.10000	-0.605000
917	23.5550	9.10000	-0.805000
918	26.4300	9.10000	-1.00500
919	26.4300	9.10000	-0.805000
920	27.4300	9.10000	-0.605000
921	27.4300	9.10000	-0.805000
922	30.3050	9.10000	-1.00500
923	30.3050	9.10000	-0.805000
924	31.3050	9.10000	-0.605000
925	31.3050	9.10000	-0.805000
926	34.1800	9.10000	-1.00500
927	34.1800	9.10000	-0.805000

928	35.1800	9.10000	-0.605000
929	35.1800	9.10000	-0.805000
930	38.0550	9.10000	-1.00500
931	38.0550	9.10000	-0.805000
932	39.0550	9.10000	-0.605000
933	39.0550	9.10000	-0.805000
934	41.9300	9.10000	-1.00500
935	41.9300	9.10000	-0.805000
936	42.9300	9.10000	-0.605000
937	42.9300	9.10000	-0.805000
938	45.8050	9.10000	-1.00500
939	45.8050	9.10000	-0.805000
940	46.8050	9.10000	-0.605000
941	46.8050	9.10000	-0.805000
942	1.21800	3.48571	-1.00000
943	1.54500	4.42143	-1.00000
944	1.87200	5.35714	-1.00000
945	2.19900	6.29286	-1.00000
946	2.52600	7.22857	-1.00000
947	2.85300	8.16429	-1.00000
948	-0.530155E-01	2.87990	-1.00000
949	0.273984	3.81562	-1.00000
950	0.600984	4.75133	-1.00000
951	0.927984	5.68704	-1.00000
952	1.25498	6.62276	-1.00000
953	1.58198	7.55847	-1.00000
954	1.90898	8.49419	-1.00000
955	47.7180	3.48571	-1.00000
956	48.0450	4.42143	-1.00000
957	48.3720	5.35714	-1.00000
958	48.6990	6.29286	-1.00000
959	49.0260	7.22857	-1.00000
960	49.3530	8.16429	-1.00000
961	46.4470	2.87990	-1.00000
962	46.7740	3.81562	-1.00000
963	47.1010	4.75133	-1.00000
964	47.4280	5.68704	-1.00000
965	47.7550	6.62276	-1.00000
966	48.0820	7.55847	-1.00000
967	48.4090	8.49419	-1.00000
968	5.09300	3.48571	-1.00500
969	5.42000	4.42143	-1.00500
970	5.74700	5.35714	-1.00500
971	6.07400	6.29286	-1.00500
972	6.40100	7.22857	-1.00500
973	6.72800	8.16429	-1.00500
974	3.82198	2.87990	-1.00500
975	4.14898	3.81562	-1.00500
976	4.47598	4.75133	-1.00500
977	4.80298	5.68704	-1.00500
978	5.12998	6.62276	-1.00500
979	5.45698	7.55847	-1.00500
980	5.78398	8.49419	-1.00500
981	8.96800	3.48571	-1.00500
982	9.29500	4.42143	-1.00500
983	9.62200	5.35714	-1.00500
984	9.94900	6.29286	-1.00500
985	10.2760	7.22857	-1.00500
986	10.6030	8.16429	-1.00500
987	7.69698	2.87990	-1.00500
988	8.02398	3.81562	-1.00500
989	8.35098	4.75133	-1.00500
990	8.67798	5.68704	-1.00500
991	9.00498	6.62276	-1.00500
992	9.33198	7.55847	-1.00500
993	9.65898	8.49419	-1.00500
994	12.8430	3.48571	-1.00500
995	13.1700	4.42143	-1.00500
996	13.4970	5.35714	-1.00500
997	13.8240	6.29286	-1.00500
998	14.1510	7.22857	-1.00500
999	14.4780	8.16429	-1.00500
1000	11.5720	2.87990	-1.00500
1001	11.8990	3.81562	-1.00500
1002	12.2260	4.75133	-1.00500
1003	12.5530	5.68704	-1.00500
1004	12.8800	6.62276	-1.00500
1005	13.2070	7.55847	-1.00500
1006	13.5340	8.49419	-1.00500
1007	16.7180	3.48571	-1.00500
1008	17.0450	4.42143	-1.00500
1009	17.3720	5.35714	-1.00500
1010	17.6990	6.29286	-1.00500
1011	18.0260	7.22857	-1.00500
1012	18.3530	8.16429	-1.00500
1013	15.4470	2.87990	-1.00500
1014	15.7740	3.81562	-1.00500
1015	16.1010	4.75133	-1.00500
1016	16.4280	5.68704	-1.00500
1017	16.7550	6.62276	-1.00500
1018	17.0820	7.55847	-1.00500
1019	17.4090	8.49419	-1.00500
1020	20.5930	3.48571	-1.00500
1021	20.9200	4.42143	-1.00500
1022	21.2470	5.35714	-1.00500
1023	21.5740	6.29286	-1.00500
1024	21.9010	7.22857	-1.00500
1025	22.2280	8.16429	-1.00500



1026	19.3220	2.87990	-1.00500
1027	19.6490	3.81562	-1.00500
1028	19.9760	4.75133	-1.00500
1029	20.3030	5.68704	-1.00500
1030	20.6300	6.62276	-1.00500
1031	20.9570	7.55847	-1.00500
1032	21.2840	8.49419	-1.00500
1033	24.4680	3.48571	-1.00500
1034	24.7950	4.42143	-1.00500
1035	25.1220	5.35714	-1.00500
1036	25.4490	6.29286	-1.00500
1037	25.7760	7.22857	-1.00500
1038	26.1030	8.16429	-1.00500
1039	23.1970	2.87990	-1.00500
1040	23.5240	3.81562	-1.00500
1041	23.8510	4.75133	-1.00500
1042	24.1780	5.68704	-1.00500
1043	24.5050	6.62276	-1.00500
1044	24.8320	7.55847	-1.00500
1045	25.1590	8.49419	-1.00500
1046	28.3430	3.48571	-1.00500
1047	28.6700	4.42143	-1.00500
1048	28.9970	5.35714	-1.00500
1049	29.3240	6.29286	-1.00500
1050	29.6510	7.22857	-1.00500
1051	29.9780	8.16429	-1.00500
1052	27.0720	2.87990	-1.00500
1053	27.3990	3.81562	-1.00500
1054	27.7260	4.75133	-1.00500
1055	28.0530	5.68704	-1.00500
1056	28.3800	6.62276	-1.00500
1057	28.7070	7.55847	-1.00500
1058	29.0340	8.49419	-1.00500
1059	32.2180	3.48571	-1.00500
1060	32.5450	4.42143	-1.00500
1061	32.8720	5.35714	-1.00500
1062	33.1990	6.29286	-1.00500
1063	33.5260	7.22857	-1.00500
1064	33.8530	8.16429	-1.00500
1065	30.9470	2.87990	-1.00500
1066	31.2740	3.81562	-1.00500
1067	31.6010	4.75133	-1.00500
1068	31.9280	5.68704	-1.00500
1069	32.2550	6.62276	-1.00500
1070	32.5820	7.55847	-1.00500
1071	32.9090	8.49419	-1.00500
1072	36.0930	3.48571	-1.00500
1073	36.4200	4.42143	-1.00500
1074	36.7470	5.35714	-1.00500
1075	37.0740	6.29286	-1.00500
1076	37.4010	7.22857	-1.00500
1077	37.7280	8.16429	-1.00500
1078	34.8220	2.87990	-1.00500
1079	35.1490	3.81562	-1.00500
1080	35.4760	4.75133	-1.00500
1081	35.8030	5.68704	-1.00500
1082	36.1300	6.62276	-1.00500
1083	36.4570	7.55847	-1.00500
1084	36.7840	8.49419	-1.00500
1085	39.9680	3.48571	-1.00500
1086	40.2950	4.42143	-1.00500
1087	40.6220	5.35714	-1.00500
1088	40.9490	6.29286	-1.00500
1089	41.2760	7.22857	-1.00500
1090	41.6030	8.16429	-1.00500
1091	38.6970	2.87990	-1.00500
1092	39.0240	3.81562	-1.00500
1093	39.3510	4.75133	-1.00500
1094	39.6780	5.68704	-1.00500
1095	40.0050	6.62276	-1.00500
1096	40.3320	7.55847	-1.00500
1097	40.6590	8.49419	-1.00500
1098	43.8430	3.48571	-1.00500
1099	44.1700	4.42143	-1.00500
1100	44.4970	5.35714	-1.00500
1101	44.8240	6.29286	-1.00500
1102	45.1510	7.22857	-1.00500
1103	45.4780	8.16429	-1.00500
1104	42.5720	2.87990	-1.00500
1105	42.8990	3.81562	-1.00500
1106	43.2260	4.75133	-1.00500
1107	43.5530	5.68704	-1.00500
1108	43.8800	6.62276	-1.00500
1109	44.2070	7.55847	-1.00500
1110	44.5340	8.49419	-1.00500
1111	4.76600	2.55000	-1.40500
1112	4.76600	2.55000	-2.40000
1113	4.76600	2.55000	-1.90250
1114	3.76600	2.55000	-1.40500
1115	3.76600	2.55000	-1.90250
1116	4.76600	2.55000	-1.20500
1117	3.76600	2.55000	-1.00500
1118	3.76600	2.55000	-1.20500
1119	8.64100	2.55000	-1.40500
1120	8.64100	2.55000	-2.40000
1121	8.64100	2.55000	-1.90250
1122	7.64100	2.55000	-1.40500
1123	7.64100	2.55000	-1.90250

1124	8.64100	2.55000	-1.20500
1125	7.64100	2.55000	-1.00500
1126	7.64100	2.55000	-1.20500
1127	12.5160	2.55000	-1.40500
1128	12.5160	2.55000	-2.40000
1129	12.5160	2.55000	-1.90250
1130	11.5160	2.55000	-1.40500
1131	11.5160	2.55000	-1.90250
1132	12.5160	2.55000	-1.20500
1133	11.5160	2.55000	-1.00500
1134	11.5160	2.55000	-1.20500
1135	16.3910	2.55000	-1.40500
1136	16.3910	2.55000	-2.40000
1137	16.3910	2.55000	-1.90250
1138	15.3910	2.55000	-1.40500
1139	15.3910	2.55000	-1.90250
1140	16.3910	2.55000	-1.20500
1141	15.3910	2.55000	-1.00500
1142	15.3910	2.55000	-1.20500
1143	20.2660	2.55000	-1.40500
1144	20.2660	2.55000	-2.40000
1145	20.2660	2.55000	-1.90250
1146	19.2660	2.55000	-1.40500
1147	19.2660	2.55000	-1.90250
1148	20.2660	2.55000	-1.20500
1149	19.2660	2.55000	-1.00500
1150	19.2660	2.55000	-1.20500
1151	24.1410	2.55000	-1.40500
1152	24.1410	2.55000	-2.40000
1153	24.1410	2.55000	-1.90250
1154	23.1410	2.55000	-1.40500
1155	23.1410	2.55000	-1.90250
1156	24.1410	2.55000	-1.20500
1157	23.1410	2.55000	-1.00500
1158	23.1410	2.55000	-1.20500
1159	28.0160	2.55000	-1.40500
1160	28.0160	2.55000	-2.40000
1161	28.0160	2.55000	-1.90250
1162	27.0160	2.55000	-1.40500
1163	27.0160	2.55000	-1.90250
1164	28.0160	2.55000	-1.20500
1165	27.0160	2.55000	-1.00500
1166	27.0160	2.55000	-1.20500
1167	31.8910	2.55000	-1.40500
1168	31.8910	2.55000	-2.40000
1169	31.8910	2.55000	-1.90250
1170	30.8910	2.55000	-1.40500
1171	30.8910	2.55000	-1.90250
1172	31.8910	2.55000	-1.20500
1173	30.8910	2.55000	-1.00500
1174	30.8910	2.55000	-1.20500
1175	35.7660	2.55000	-1.40500
1176	35.7660	2.55000	-2.40000
1177	35.7660	2.55000	-1.90250
1178	34.7660	2.55000	-1.40500
1179	34.7660	2.55000	-1.90250
1180	35.7660	2.55000	-1.20500
1181	34.7660	2.55000	-1.00500
1182	34.7660	2.55000	-1.20500
1183	39.6410	2.55000	-1.40500
1184	39.6410	2.55000	-2.40000
1185	39.6410	2.55000	-1.90250
1186	38.6410	2.55000	-1.40500
1187	38.6410	2.55000	-1.90250
1188	39.6410	2.55000	-1.20500
1189	38.6410	2.55000	-1.00500
1190	38.6410	2.55000	-1.20500
1191	43.5160	2.55000	-1.40500
1192	43.5160	2.55000	-2.40000
1193	43.5160	2.55000	-1.90250
1194	42.5160	2.55000	-1.40500
1195	42.5160	2.55000	-1.90250
1196	43.5160	2.55000	-1.20500
1197	42.5160	2.55000	-1.00500
1198	42.5160	2.55000	-1.20500
1199	7.05500	9.10000	-1.40500
1200	7.05500	9.10000	-2.40000
1201	7.05500	9.10000	-1.90250
1202	8.05500	9.10000	-1.40500
1203	8.05500	9.10000	-1.90250
1204	7.05500	9.10000	-1.20500
1205	8.05500	9.10000	-1.00500
1206	8.05500	9.10000	-1.20500
1207	10.9300	9.10000	-1.40500
1208	10.9300	9.10000	-2.40000
1209	10.9300	9.10000	-1.90250
1210	11.9300	9.10000	-1.40500
1211	11.9300	9.10000	-1.90250
1212	10.9300	9.10000	-1.20500
1213	11.9300	9.10000	-1.00500
1214	11.9300	9.10000	-1.20500
1215	14.8050	9.10000	-1.40500
1216	14.8050	9.10000	-2.40000
1217	14.8050	9.10000	-1.90250
1218	15.8050	9.10000	-1.40500
1219	15.8050	9.10000	-1.90250
1220	14.8050	9.10000	-1.20500
1221	15.8050	9.10000	-1.00500

1222	15.8050	9.10000	-1.20500
1223	18.6800	9.10000	-1.40500
1224	18.6800	9.10000	-2.40000
1225	18.6800	9.10000	-1.90250
1226	19.6800	9.10000	-1.40500
1227	19.6800	9.10000	-1.90250
1228	18.6800	9.10000	-1.20500
1229	19.6800	9.10000	-1.00500
1230	19.6800	9.10000	-1.20500
1231	22.5550	9.10000	-1.40500
1232	22.5550	9.10000	-2.40000
1233	22.5550	9.10000	-1.90250
1234	23.5550	9.10000	-1.40500
1235	23.5550	9.10000	-1.90250
1236	22.5550	9.10000	-1.20500
1237	23.5550	9.10000	-1.00500
1238	23.5550	9.10000	-1.20500
1239	26.4300	9.10000	-1.40500
1240	26.4300	9.10000	-2.40000
1241	26.4300	9.10000	-1.90250
1242	27.4300	9.10000	-1.40500
1243	27.4300	9.10000	-1.90250
1244	26.4300	9.10000	-1.20500
1245	27.4300	9.10000	-1.00500
1246	27.4300	9.10000	-1.20500
1247	30.3050	9.10000	-1.40500
1248	30.3050	9.10000	-2.40000
1249	30.3050	9.10000	-1.90250
1250	31.3050	9.10000	-1.40500
1251	31.3050	9.10000	-1.90250
1252	30.3050	9.10000	-1.20500
1253	31.3050	9.10000	-1.00500
1254	31.3050	9.10000	-1.20500
1255	34.1800	9.10000	-1.40500
1256	34.1800	9.10000	-2.40000
1257	34.1800	9.10000	-1.90250
1258	35.1800	9.10000	-1.40500
1259	35.1800	9.10000	-1.90250
1260	34.1800	9.10000	-1.20500
1261	35.1800	9.10000	-1.00500
1262	35.1800	9.10000	-1.20500
1263	38.0550	9.10000	-1.40500
1264	38.0550	9.10000	-2.40000
1265	38.0550	9.10000	-1.90250
1266	39.0550	9.10000	-1.40500
1267	39.0550	9.10000	-1.90250
1268	38.0550	9.10000	-1.20500
1269	39.0550	9.10000	-1.00500
1270	39.0550	9.10000	-1.20500
1271	41.9300	9.10000	-1.40500
1272	41.9300	9.10000	-2.40000
1273	41.9300	9.10000	-1.90250
1274	42.9300	9.10000	-1.40500
1275	42.9300	9.10000	-1.90250
1276	41.9300	9.10000	-1.20500
1277	42.9300	9.10000	-1.00500
1278	42.9300	9.10000	-1.20500
1279	45.8050	9.10000	-1.40500
1280	45.8050	9.10000	-2.40000
1281	45.8050	9.10000	-1.90250
1282	46.8050	9.10000	-1.40500
1283	46.8050	9.10000	-1.90250
1284	45.8050	9.10000	-1.20500
1285	46.8050	9.10000	-1.00500
1286	46.8050	9.10000	-1.20500
1287	0.891000	2.55000	-1.45000
1288	0.891000	2.55000	-2.40000
1289	0.891000	2.55000	-1.92500
1290	-0.109000	2.55000	-1.45000
1291	-0.109000	2.55000	-1.92500
1292	0.891000	2.55000	-1.22500
1293	-0.109000	2.55000	-1.00000
1294	-0.109000	2.55000	-1.22500
1295	3.18000	9.10000	-1.45000
1296	3.18000	9.10000	-2.40000
1297	3.18000	9.10000	-1.92500
1298	4.18000	9.10000	-1.45000
1299	4.18000	9.10000	-1.92500
1300	3.18000	9.10000	-1.22500
1301	4.18000	9.10000	-1.00000
1302	4.18000	9.10000	-1.22500
1303	47.3910	2.55000	-1.45000
1304	47.3910	2.55000	-2.40000
1305	47.3910	2.55000	-1.92500
1306	46.3910	2.55000	-1.45000
1307	46.3910	2.55000	-1.92500
1308	47.3910	2.55000	-1.22500
1309	46.3910	2.55000	-1.00000
1310	46.3910	2.55000	-1.22500
1311	49.6800	9.10000	-1.45000
1312	49.6800	9.10000	-2.40000
1313	49.6800	9.10000	-1.92500
1314	50.6800	9.10000	-1.45000
1315	50.6800	9.10000	-1.92500
1316	49.6800	9.10000	-1.22500
1317	50.6800	9.10000	-1.00000
1318	50.6800	9.10000	-1.22500
1319	0.891000	2.55000	-2.40000

1320	0.891000	2.55000	-3.20000
1321	1.22079	3.49405	-2.40000
1322	47.3910	2.55000	-2.40000
1323	47.3910	2.55000	-3.20000
1324	47.7208	3.49405	-2.40000
1325	3.18000	9.10000	-2.40000
1326	3.18000	9.10000	-3.20000
1327	3.50979	10.0441	-2.40000
1328	49.6800	9.10000	-2.40000
1329	49.6800	9.10000	-3.20000
1330	50.0098	10.0441	-2.40000
1331	0.469075	12.2689	-8.90000
1332	0.469075	12.2689	-6.90000
1333	0.154420	11.3197	-8.90000
1334	1.57598	6.46984	-6.90000
1335	1.57598	6.46984	-3.20000
1336	1.57598	6.46984	-6.37143
1337	1.57598	6.46984	-5.84286
1338	1.57598	6.46984	-5.31429
1339	1.57598	6.46984	-4.78571
1340	1.57598	6.46984	-4.25714
1341	1.57598	6.46984	-3.72857
1342	1.26132	5.52064	-6.90000
1343	1.26132	5.52064	-6.37143
1344	1.26132	5.52064	-5.84286
1345	1.26132	5.52064	-5.31429
1346	1.26132	5.52064	-4.78571
1347	1.26132	5.52064	-4.25714
1348	1.26132	5.52064	-3.72857
1349	1.57498	6.46984	0.600000
1350	1.57585	6.46984	-2.72500
1351	1.57573	6.46984	-2.25000
1352	1.57560	6.46984	-1.77500
1353	1.57548	6.46984	-1.30000
1354	1.57535	6.46984	-0.825000
1355	1.57523	6.46984	-0.350000
1356	1.57510	6.46984	0.125000
1357	1.26132	5.52064	-3.20008
1358	1.26120	5.52064	-2.72508
1359	1.26107	5.52064	-2.25008
1360	1.26095	5.52064	-1.77508
1361	1.26082	5.52064	-1.30008
1362	1.26070	5.52064	-0.825083
1363	1.26057	5.52064	-0.350083
1364	1.26045	5.52064	0.124917
1365	5.41889	18.0655	-6.90000
1366	5.41889	18.0655	-3.20000
1367	5.41889	18.0655	-6.37143
1368	5.41889	18.0655	-5.84286
1369	5.41889	18.0655	-5.31429
1370	5.41889	18.0655	-4.78571
1371	5.41889	18.0655	-4.25714
1372	5.41889	18.0655	-3.72857
1373	5.10423	17.1163	-6.90000
1374	5.10423	17.1163	-6.37143
1375	5.10423	17.1163	-5.84286
1376	5.10423	17.1163	-5.31429
1377	5.10423	17.1163	-4.78571
1378	5.10423	17.1163	-4.25714
1379	5.10423	17.1163	-3.72857
1380	5.41789	18.0655	0.600000
1381	5.41876	18.0655	-2.72500
1382	5.41864	18.0655	-2.25000
1383	5.41851	18.0655	-1.77500
1384	5.41839	18.0655	-1.30000
1385	5.41826	18.0655	-0.825000
1386	5.41814	18.0655	-0.350000
1387	5.41801	18.0655	0.125000
1388	5.10424	17.1163	-3.20008
1389	5.10412	17.1163	-2.72508
1390	5.10399	17.1163	-2.25008
1391	5.10387	17.1163	-1.77508
1392	5.10374	17.1163	-1.30008
1393	5.10362	17.1163	-0.825083
1394	5.10349	17.1163	-0.350083
1395	5.10337	17.1163	0.124917
1396	1.57598	6.46984	-8.90000
1397	1.57598	6.46984	-8.40000
1398	1.57598	6.46984	-7.90000
1399	1.57598	6.46984	-7.40000
1400	1.24619	5.52579	-8.90000
1401	1.24619	5.52579	-8.40000
1402	1.24619	5.52579	-7.90000
1403	1.24619	5.52579	-7.40000
1404	5.41889	18.0655	-8.90000
1405	5.41889	18.0655	-8.40000
1406	5.41889	18.0655	-7.90000
1407	5.41889	18.0655	-7.40000
1408	5.08910	17.1214	-8.90000
1409	5.08910	17.1214	-8.40000
1410	5.08910	17.1214	-7.90000
1411	5.08910	17.1214	-7.40000
1412	2.03550	5.82500	-3.20000
1413	48.5355	5.82500	-3.20000
1414	2.03550	5.82500	-3.20000
1415	48.5355	5.82500	-3.20000
1416	6.30657	18.6936	-3.20000
1417	-1.19156	12.2647	-3.15000

1418	-0.191563	12.2647	-3.15000
1419	-1.19156	13.2647	-3.15000
1420	0.469075	12.2689	-8.90000
1421	2.03550	5.82500	-3.20000
1422	2.03550	5.82500	0.00000E+00
1423	48.5355	5.82500	0.00000E+00
1424	6.30657	18.6936	-3.20000
1425	2.03550	5.82500	-3.20000
1426	1.89100	2.55000	-2.40000
1427	0.891000	3.55000	-2.40000
1428	4.18000	9.10000	-2.40000
1429	3.18000	10.1000	-2.40000
1430	46.3910	2.55000	-2.40000
1431	47.3910	1.55000	-2.40000
1432	48.6800	9.10000	-2.40000
1433	49.6800	8.10000	-2.40000
1434	3.03550	5.82500	-3.20000
1435	2.03550	6.82500	-3.20000
1436	49.5355	5.82500	-3.20000
1437	48.5355	6.82500	-3.20000
1438	7.30657	18.6936	-3.20000
1439	6.30657	19.6936	-3.20000
1440	1.41828	11.9543	-8.90000
1441	0.783730	13.2181	-8.90000
1442	3.03550	5.82500	-3.20000
1443	2.03550	6.82500	-3.20000
1444	2.98471	5.51034	0.00000E+00
1445	2.35016	6.77421	0.00000E+00
1446	47.5863	6.13966	0.00000E+00
1447	48.2208	4.87579	0.00000E+00

TOTAL NUMBER OF NODES	=	1447
LARGEST NODE NUMBER	=	1447
DATA STORAGE LOCATIONS USED	=	10129

G E O M E T R I C P R O P E R T I E S

C1\_F1  
PROPERTY

BMI21 ELEMENTS	
1 1ST NODE	AREA =0.1085 IYY =0.1034 IZZ =0.4325E-02 KT =0.2541E-04 ASZ =0.5148E-01
	ASY =0.5700E-01 EZ =1.233 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1085 IYY =0.1034 IZZ =0.4325E-02 KT =0.2541E-04 ASZ =0.5148E-01
	ASY =0.5700E-01 EZ =1.233 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

C2\_F1  
PROPERTY

BMI21 ELEMENTS	
2 1ST NODE	AREA =0.1469 IYY =0.1516 IZZ =0.7848E-02 KT =0.1169E-03 ASZ =0.4590E-01
	ASY =0.1010 EZ =1.424 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1469 IYY =0.1516 IZZ =0.7848E-02 KT =0.1169E-03 ASZ =0.4590E-01
	ASY =0.1010 EZ =1.424 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

C3\_F1  
PROPERTY

BMI21 ELEMENTS	
3 1ST NODE	AREA =0.1610 IYY =0.1741 IZZ =0.9289E-02 KT =0.1825E-03 ASZ =0.4095E-01
	ASY =0.1200 EZ =1.410 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1610 IYY =0.1741 IZZ =0.9289E-02 KT =0.1825E-03 ASZ =0.4095E-01
	ASY =0.1200 EZ =1.410 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

plinto (sz\_plinto Mirror y-y)  
PROPERTY

BMI21 ELEMENTS	
4 1ST NODE	AREA =257.6 IYY =1897. IZZ =0.1632E+05 KT =5900. ASZ =211.5
	ASY =215.9 EZ =0.0000E+00 EY =0.0000E+00 IYZ =-628.5
2ND NODE	AREA =257.6 IYY =1897. IZZ =0.1632E+05 KT =5900. ASZ =211.5

ASY =215.9 EZ =0.0000E+00 EY =0.0000E+00 IYZ =-628.5

G E O M E T R I C P R O P E R T I E S

paramento (RSS D=2.65 B=12.215)

PROPERTY

BMI21 ELEMENTS  
5 1ST NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_campata (HE 800 A)

PROPERTY

BMI21 ELEMENTS  
6 1ST NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_appoggio (I D=0.9 B=0.3 tf=0.04 tw=0.03 r=0)

PROPERTY

BMI21 ELEMENTS  
7 1ST NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_appoggi

PROPERTY

BMI21 ELEMENTS  
8 1ST NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02  
2ND NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_campata (irrigidente campata)

PROPERTY

BMI21 ELEMENTS  
9 1ST NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04  
2ND NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04

G E O M E T R I C P R O P E R T I E S

paraghiaia (RSS D=0.55 B=12.215)

PROPERTY

BMI21 ELEMENTS  
10 1ST NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

rigida  
PROPERTY

BMI21 ELEMENTS		AREA	IYY	IZZ	KT	ASZ
11	1ST NODE	=10.00	=100.0	=100.0	=100.0	=0.1000E+05
	ASZ	=0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	
	2ND NODE	=10.00	IYY =100.0	IZZ =100.0	KT =100.0	ASZ =0.1000E+05
	ASZ	=0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	

G E O M E T R I C P R O P E R T I E S

Baggioli (RSS D=1.2 B=1.2)  
PROPERTY

BMI21 ELEMENTS		AREA	IYY	IZZ	KT	ASZ
12	1ST NODE	=1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =1.200
	ASZ	=1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	
	2ND NODE	=1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =1.200
	ASZ	=1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	

G E O M E T R I C P R O P E R T I E S

Soletta\_sp\_0.3  
PROPERTY

QTS4 ELEMENTS		T1	T2	T3	T4
14	EZ = -0.1500	= 0.3000	= 0.3000	= 0.3000	= 0.3000

G E O M E T R I C P R O P E R T I E S

Ecc0  
PROPERTY

JSH4 ELEMENTS		ECCENTRICITY
13	ECCENTRICITY = 0.0000E+00	
DATA STORAGE LOCATIONS USED		= 678

G E O M E T R I C A S S I G N M E N T S

FIRST ELEMENT	LAST ELEMENT	DIFF-ERENCE	GEOMETRIC SET	LUSASM ID NO.
1	48	1	14	14
49	52	1	1	1
53	60	1	14	14
61	63	1	1	1
64	69	1	14	14
70	0	0	2	2
71	72	1	14	14
73	76	1	2	2
77	84	1	14	14
85	88	1	2	2
89	96	1	14	14
97	98	1	2	2
99	102	1	14	14
103	104	1	3	3
105	108	1	14	14
109	112	1	3	3
113	120	1	14	14
121	124	1	3	3
125	132	1	14	14
133	134	1	3	3
135	138	1	14	14
139	140	1	2	2
141	144	1	14	14
145	148	1	2	2
149	156	1	14	14
157	160	1	2	2
161	168	1	14	14

169	0	0	2	2
170	171	1	14	14
172	174	1	1	1
175	180	1	14	14
181	184	1	1	1
185	192	1	14	14
193	196	1	1	1
197	204	1	14	14
205	207	1	1	1
208	213	1	14	14
214	0	0	2	2
215	216	1	14	14
217	220	1	2	2
221	228	1	14	14
229	232	1	2	2
233	240	1	14	14
241	242	1	2	2
243	246	1	14	14
247	248	1	3	3
249	252	1	14	14
253	256	1	3	3
257	264	1	14	14
265	268	1	3	3
269	276	1	14	14
277	278	1	3	3
279	282	1	14	14
283	284	1	2	2
285	288	1	14	14
289	292	1	2	2
293	300	1	14	14
301	304	1	2	2
305	312	1	14	14
313	0	0	2	2
314	315	1	14	14
316	318	1	1	1
319	324	1	14	14
325	328	1	1	1
329	672	1	14	14
673	674	1	8	8
675	696	1	9	9
697	700	1	8	8
701	722	1	9	9
723	732	1	8	8
733	776	1	9	9
777	790	1	7	7
791	867	1	6	6
868	955	1	9	9
956	971	1	8	8
972	975	1	12	13
976	0	0	4	4
977	983	1	5	5
984	991	1	10	10
992	998	1	5	5
999	1006	1	10	10
1007	1014	1	11	11
1016	1026	1	13	15

TOTAL NUMBER OF GEOMETRIC ASSIGNMENT SETS = 83  
 TOTAL NUMBER OF ELEMENTS = 1025  
 LARGEST ELEMENT NUMBER = 1026  
 LARGEST GEOMETRIC ASSIGNMENT SET NUMBER = 14  
 DATA STORAGE LOCATIONS USED = 3075

J O I N T P R O P E R T I E S

MATERIAL

giunti

8 KX = 1.000 KY = 1.000 KZ = 1.000 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Isolatori\_spalle

9 KX = 0.2230E+07 KY = 0.2230E+07 KZ = 0.2186E+10 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL



Incastro  
10 KX = 0.1000E+16 KY = 0.1000E+16 KZ = 0.1000E+16 KTX = 0.1000E+16 KTY = 0.1000E+16 KTZ = 0.1000E+16

M A T E R I A L P R O P E R T I E S M A S S

MATERIAL

Massa\_terreno\_SP1  
11 MX = 0.2213E+07 MY = 0.2213E+07 MZ = 0.2213E+07

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel (elastic)  
1 E = 0.2100E+12 NU = 0.3000 RHO = 7850. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3 (elastic)  
2 E = 0.3364E+11 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle (elastic)  
3 E = 0.1000E+16 NU = 0.2000 RHO = 2500. ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle\_nomassa (elastic)  
4 E = 0.1000E+16 NU = 0.2000 RHO = 0.0000E+00 ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel\_rho=0 (elastic)  
5 E = 0.2100E+12 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Rigid\_rho=0 (elastic)  
6 E = 0.2100E+15 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3\_Rigid (elastic)

7 E = 0.3364E+14 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

DATA STORAGE LOCATIONS USED = 486

M A T E R I A L A S S I G N M E N T S

SMEARED_REINFORCEMENT SET	FIRST REINFORCEMENT ELEMENT	LAST ELEMENT	DIFF-ERENCE	MATERIAL SET	NSET	STRESS PLASTIC	POTENTIAL DATA SET	CREEP SET	DAMAGE SET	LusasM ID NO.	VISCOELASTIC SET	TWO PHASE MATERIAL SET	SHRINKAGE SET	KO SET
	0	1	48	1	2	0	0	0	0	0	5	0	0	0
0	49	52	1	1	0	0	0	0	0	1	0	0	0	0
0	53	60	1	2	0	0	0	0	0	5	0	0	0	0
0	61	63	1	1	0	0	0	0	0	1	0	0	0	0
0	64	69	1	2	0	0	0	0	0	5	0	0	0	0
0	70	0	0	1	0	0	0	0	0	1	0	0	0	0
0	71	72	1	2	0	0	0	0	0	5	0	0	0	0
0	73	76	1	1	0	0	0	0	0	1	0	0	0	0
0	77	84	1	2	0	0	0	0	0	5	0	0	0	0
0	85	88	1	1	0	0	0	0	0	1	0	0	0	0
0	89	96	1	2	0	0	0	0	0	5	0	0	0	0
0	97	98	1	1	0	0	0	0	0	1	0	0	0	0
0	99	102	1	2	0	0	0	0	0	5	0	0	0	0
0	103	104	1	1	0	0	0	0	0	1	0	0	0	0
0	105	108	1	2	0	0	0	0	0	5	0	0	0	0
0	109	112	1	1	0	0	0	0	0	1	0	0	0	0
0	113	120	1	2	0	0	0	0	0	5	0	0	0	0
0	121	124	1	1	0	0	0	0	0	1	0	0	0	0
0	125	132	1	2	0	0	0	0	0	5	0	0	0	0
0	133	134	1	1	0	0	0	0	0	1	0	0	0	0
0	135	138	1	2	0	0	0	0	0	5	0	0	0	0
0	139	140	1	1	0	0	0	0	0	1	0	0	0	0
0	141	144	1	2	0	0	0	0	0	5	0	0	0	0
0	145	148	1	1	0	0	0	0	0	1	0	0	0	0
0	149	156	1	2	0	0	0	0	0	5	0	0	0	0
0	157	160	1	1	0	0	0	0	0	1	0	0	0	0
0	161	168	1	2	0	0	0	0	0	5	0	0	0	0
0	169	0	0	1	0	0	0	0	0	1	0	0	0	0
0	170	171	1	2	0	0	0	0	0	5	0	0	0	0
0	172	174	1	1	0	0	0	0	0	1	0	0	0	0
0	175	180	1	2	0	0	0	0	0	5	0	0	0	0
0	181	184	1	1	0	0	0	0	0	1	0	0	0	0
0	185	192	1	2	0	0	0	0	0	5	0	0	0	0
0	193	196	1	1	0	0	0	0	0	1	0	0	0	0
0	197	204	1	2	0	0	0	0	0	5	0	0	0	0
0	205	207	1	1	0	0	0	0	0	1	0	0	0	0
0	208	213	1	2	0	0	0	0	0	5	0	0	0	0
0	214	0	0	1	0	0	0	0	0	1	0	0	0	0
0	215	216	1	2	0	0	0	0	0	5	0	0	0	0

0	217	220	1	1	0	0	0	0	1	0	0	0	0
0	221	228	1	2	0	0	0	0	5	0	0	0	0
0	229	232	1	1	0	0	0	0	1	0	0	0	0
0	233	240	1	2	0	0	0	0	5	0	0	0	0
0	241	242	1	1	0	0	0	0	1	0	0	0	0
0	243	246	1	2	0	0	0	0	5	0	0	0	0
0	247	248	1	1	0	0	0	0	1	0	0	0	0
0	249	252	1	2	0	0	0	0	5	0	0	0	0
0	253	256	1	1	0	0	0	0	1	0	0	0	0
0	257	264	1	2	0	0	0	0	5	0	0	0	0
0	265	268	1	1	0	0	0	0	1	0	0	0	0
0	269	276	1	2	0	0	0	0	5	0	0	0	0
0	277	278	1	1	0	0	0	0	1	0	0	0	0
0	279	282	1	2	0	0	0	0	5	0	0	0	0
0	283	284	1	1	0	0	0	0	1	0	0	0	0
0	285	288	1	2	0	0	0	0	5	0	0	0	0
0	289	292	1	1	0	0	0	0	1	0	0	0	0
0	293	300	1	2	0	0	0	0	5	0	0	0	0
0	301	304	1	1	0	0	0	0	1	0	0	0	0
0	305	312	1	2	0	0	0	0	5	0	0	0	0
0	313	0	0	1	0	0	0	0	1	0	0	0	0
0	314	315	1	2	0	0	0	0	5	0	0	0	0
0	316	318	1	1	0	0	0	0	1	0	0	0	0
0	319	324	1	2	0	0	0	0	5	0	0	0	0
0	325	328	1	1	0	0	0	0	1	0	0	0	0
0	329	672	1	2	0	0	0	0	5	0	0	0	0
0	673	674	1	6	0	0	0	0	14	0	0	0	0
0	675	696	1	5	0	0	0	0	13	0	0	0	0
0	697	700	1	6	0	0	0	0	14	0	0	0	0
0	701	722	1	5	0	0	0	0	13	0	0	0	0
0	723	776	1	6	0	0	0	0	14	0	0	0	0
0	777	867	1	1	0	0	0	0	1	0	0	0	0
0	868	869	1	5	0	0	0	0	13	0	0	0	0
0	870	871	1	6	0	0	0	0	14	0	0	0	0
0	872	873	1	5	0	0	0	0	13	0	0	0	0
0	874	875	1	6	0	0	0	0	14	0	0	0	0
0	876	877	1	5	0	0	0	0	13	0	0	0	0
0	878	879	1	6	0	0	0	0	14	0	0	0	0
0	880	881	1	5	0	0	0	0	13	0	0	0	0
0	882	883	1	6	0	0	0	0	14	0	0	0	0
0	884	885	1	5	0	0	0	0	13	0	0	0	0
0	886	887	1	6	0	0	0	0	14	0	0	0	0
0	888	889	1	5	0	0	0	0	13	0	0	0	0
0	890	891	1	6	0	0	0	0	14	0	0	0	0
0	892	893	1	5	0	0	0	0	13	0	0	0	0
0	894	895	1	6	0	0	0	0	14	0	0	0	0
0	896	897	1	5	0	0	0	0	13	0	0	0	0
0	898	899	1	6	0	0	0	0	14	0	0	0	0
0	900	901	1	5	0	0	0	0	13	0	0	0	0

0	902	903	1	6	0	0	0	0	14	0	0	0	0
0	904	905	1	5	0	0	0	0	13	0	0	0	0
0	906	907	1	6	0	0	0	0	14	0	0	0	0
0	908	909	1	5	0	0	0	0	13	0	0	0	0
0	910	911	1	6	0	0	0	0	14	0	0	0	0
0	912	913	1	5	0	0	0	0	13	0	0	0	0
0	914	915	1	6	0	0	0	0	14	0	0	0	0
0	916	917	1	5	0	0	0	0	13	0	0	0	0
0	918	919	1	6	0	0	0	0	14	0	0	0	0
0	920	921	1	5	0	0	0	0	13	0	0	0	0
0	922	923	1	6	0	0	0	0	14	0	0	0	0
0	924	925	1	5	0	0	0	0	13	0	0	0	0
0	926	927	1	6	0	0	0	0	14	0	0	0	0
0	928	929	1	5	0	0	0	0	13	0	0	0	0
0	930	931	1	6	0	0	0	0	14	0	0	0	0
0	932	933	1	5	0	0	0	0	13	0	0	0	0
0	934	935	1	6	0	0	0	0	14	0	0	0	0
0	936	937	1	5	0	0	0	0	13	0	0	0	0
0	938	939	1	6	0	0	0	0	14	0	0	0	0
0	940	941	1	5	0	0	0	0	13	0	0	0	0
0	942	943	1	6	0	0	0	0	14	0	0	0	0
0	944	945	1	5	0	0	0	0	13	0	0	0	0
0	946	947	1	6	0	0	0	0	14	0	0	0	0
0	948	949	1	5	0	0	0	0	13	0	0	0	0
0	950	951	1	6	0	0	0	0	14	0	0	0	0
0	952	953	1	5	0	0	0	0	13	0	0	0	0
0	954	971	1	6	0	0	0	0	14	0	0	0	0
0	972	975	1	7	0	0	0	0	19	0	0	0	0
0	976	1006	1	3	0	0	0	0	7	0	0	0	0
0	1007	1014	1	4	0	0	0	0	8	0	0	0	0
0	1015	0	0	11	0	0	0	0	25	0	0	0	0
0	1016	1019	1	9	0	0	0	0	16	0	0	0	0
0	1020	1024	1	10	0	0	0	0	17	0	0	0	0
0	1025	1026	1	8	0	0	0	0	9	0	0	0	0

TOTAL NUMBER OF MATERIAL ASSIGNMENT SETS = 122

DEACTIVATE ELEMENTS

FIRST ELEMENT IN SERIES	LAST ELEMENT IN SERIES	INCREMENT IN BETWEEN ELEMNTS	NUMBER OF INCREMENTS FOR REDISTRIBUTION	REDISTRIBUTION FACTOR	STIFFNESS REDUCTION FACTOR
1	48	1	1	1.000	0.1000E-05
53	60	1	1	1.000	0.1000E-05
64	69	1	1	1.000	0.1000E-05
71	72	1	1	1.000	0.1000E-05
77	84	1	1	1.000	0.1000E-05
89	96	1	1	1.000	0.1000E-05
99	102	1	1	1.000	0.1000E-05
105	108	1	1	1.000	0.1000E-05

113	120	1	1	1.000	0.1000E-05
125	132	1	1	1.000	0.1000E-05
135	138	1	1	1.000	0.1000E-05
141	144	1	1	1.000	0.1000E-05
149	156	1	1	1.000	0.1000E-05
161	168	1	1	1.000	0.1000E-05
170	171	1	1	1.000	0.1000E-05
175	180	1	1	1.000	0.1000E-05
185	192	1	1	1.000	0.1000E-05
197	204	1	1	1.000	0.1000E-05
208	213	1	1	1.000	0.1000E-05
215	216	1	1	1.000	0.1000E-05
221	228	1	1	1.000	0.1000E-05
233	240	1	1	1.000	0.1000E-05
243	246	1	1	1.000	0.1000E-05
249	252	1	1	1.000	0.1000E-05
257	264	1	1	1.000	0.1000E-05
269	276	1	1	1.000	0.1000E-05
279	282	1	1	1.000	0.1000E-05
285	288	1	1	1.000	0.1000E-05
293	300	1	1	1.000	0.1000E-05
305	312	1	1	1.000	0.1000E-05
314	315	1	1	1.000	0.1000E-05
319	324	1	1	1.000	0.1000E-05
329	672	1	1	1.000	0.1000E-05

F R E E D O M T E M P L A T E

COLM.  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21  
 U V W THX THY THZ

C O N S T R A I N T E Q U A T I O N S

EQUATION 1 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1332 0 0 THX -1.00000  
 1365 0 0 THX 1.00000  
 TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1332 0 0 THY -1.00000  
 1365 0 0 THY 1.00000  
 TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1332 0 0 THZ -1.00000  
 1365 0 0 THZ 1.00000  
 TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1332 0 0 U -0.172516

1332	0	0	THZ	1.00000
1365	0	0	U	0.172516
TOTAL NUMBER OF COEFFICIENTS =			3	

EQUATION 1 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.202028
1332	0	0	THZ	-1.00000
1365	0	0	V	0.202028
TOTAL NUMBER OF COEFFICIENTS =			3	

EQUATION 1 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172516
1332	0	0	THX	-1.00000
1332	0	0	THY	0.853922
1365	0	0	W	0.172516
TOTAL NUMBER OF COEFFICIENTS =			4	

EQUATION 2 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	THX	1.00000
1421	0	0	THX	-1.00000
TOTAL NUMBER OF COEFFICIENTS =			2	

EQUATION 2 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	THY	1.00000
1421	0	0	THY	-1.00000
TOTAL NUMBER OF COEFFICIENTS =			2	

EQUATION 2 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	THZ	1.00000
1421	0	0	THZ	-1.00000
TOTAL NUMBER OF COEFFICIENTS =			2	

EQUATION 2 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	U	1.00000
1421	0	0	U	-1.00000
1421	0	0	THZ	0.644845
TOTAL NUMBER OF COEFFICIENTS =			3	

EQUATION 2 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	V	1.00000
1421	0	0	V	-1.00000
1421	0	0	THZ	0.459523
TOTAL NUMBER OF COEFFICIENTS =			3	

EQUATION 2 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	W	1.00000
1421	0	0	W	-1.00000
1421	0	0	THX	-0.644845
1421	0	0	THY	-0.459523
TOTAL NUMBER OF COEFFICIENTS =			4	

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THX	-1.00000
1416	0	0	THX	1.00000
TOTAL NUMBER OF COEFFICIENTS =			2	

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THY	-1.00000

1416 0 0 THY 1.00000  
TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THZ	-1.00000
1416	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	U	-1.00000
1366	0	0	THZ	0.628174
1416	0	0	U	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	V	-1.00000
1366	0	0	THZ	-0.887682
1416	0	0	V	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	W	-1.00000
1366	0	0	THX	-0.628174
1366	0	0	THY	0.887682
1416	0	0	W	1.00000

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1334	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1334	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1334	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172442
1332	0	0	THZ	-1.00000
1334	0	0	U	0.172442

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.903422
1332	0	0	THZ	-1.00000
1334	0	0	V	0.903422

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172442
1332	0	0	THX	1.00000
1332	0	0	THY	0.190876

1334 0 0 W 0.172442  
TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3



EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	1.00000
1414	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	-1.00000
1414	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	1.00000
1415	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	-1.00000
1415	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.266667
1332	0	0	THY	-1.00000
1332	0	0	THZ	-0.112423E-02
1417	0	0	U	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.266667
1332	0	0	THX	1.00000
1332	0	0	THZ	0.442837
1417	0	0	V	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.602178
1332	0	0	THX	0.253870E-02
1332	0	0	THY	-1.00000
1417	0	0	W	0.602178

TOTAL NUMBER OF COEFFICIENTS = 4

TOTAL NUMBER OF CONSTRAINT EQUATIONS = 51  
 MAXIMUM NUMBER OF COEFFICIENTS PER EQUATION = 4  
 LARGEST NODE NUMBER ENCOUNTERED = 1421  
 DATA STORAGE LOCATIONS USED = 487

S U P P O R T N O D E S

F = FREE  
 R = RESTRAINED OR RESTRAINED WITH PRESCRIBED DISPLACEMENT  
 S = SPRING

FIRST NODE	LAST NODE	DIFF RNCE	SUPPORT CONDITION	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM
1412	1413	1	R R R R R R	0.00000E+00	U	0.00000E+00	V	0.00000E+00	W	0.00000E+00	THX	0.00000E+00	THZ
1420	1422	2	R R R R R R	0.00000E+00	U	0.00000E+00	V	0.00000E+00	W	0.00000E+00	THX	0.00000E+00	THZ
1423	0	0	R R R R R R	0.00000E+00	U	0.00000E+00	V	0.00000E+00	W	0.00000E+00	THX	0.00000E+00	THZ

TOTAL NUMBER OF SUPPORT NODES = 5  
 LARGEST NODE NUMBER = 1423  
 DATA STORAGE LOCATIONS USED = 168

L O A D C A S E 1

gk1-acciaio

CONCENTRATED LOAD										
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ		
99	0	0	0.00000E+00	0.00000E+00	-1071.9	0.00000E+00	0.00000E+00	0.00000E+00		
101	0	0	0.00000E+00	0.00000E+00	-495.95	0.00000E+00	0.00000E+00	0.00000E+00		
102	103	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
104	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
113	0	0	0.00000E+00	0.00000E+00	-831.91	0.00000E+00	0.00000E+00	0.00000E+00		
115	116	1	0.00000E+00	0.00000E+00	-1151.9	0.00000E+00	0.00000E+00	0.00000E+00		
122	0	0	0.00000E+00	0.00000E+00	-751.92	0.00000E+00	0.00000E+00	0.00000E+00		
125	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
127	129	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
137	0	0	0.00000E+00	0.00000E+00	-943.90	0.00000E+00	0.00000E+00	0.00000E+00		
139	141	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
149	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
151	0	0	0.00000E+00	0.00000E+00	-895.91	0.00000E+00	0.00000E+00	0.00000E+00		
155	0	0	0.00000E+00	0.00000E+00	-1039.9	0.00000E+00	0.00000E+00	0.00000E+00		
157	0	0	0.00000E+00	0.00000E+00	-1087.9	0.00000E+00	0.00000E+00	0.00000E+00		
161	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
163	165	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
173	0	0	0.00000E+00	0.00000E+00	-1039.9	0.00000E+00	0.00000E+00	0.00000E+00		
175	176	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
177	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
185	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
187	0	0	0.00000E+00	0.00000E+00	-1087.9	0.00000E+00	0.00000E+00	0.00000E+00		
191	0	0	0.00000E+00	0.00000E+00	-943.90	0.00000E+00	0.00000E+00	0.00000E+00		
193	0	0	0.00000E+00	0.00000E+00	-895.91	0.00000E+00	0.00000E+00	0.00000E+00		
197	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
199	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
200	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
201	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
209	0	0	0.00000E+00	0.00000E+00	-751.92	0.00000E+00	0.00000E+00	0.00000E+00		
211	212	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
213	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
221	0	0	0.00000E+00	0.00000E+00	-831.91	0.00000E+00	0.00000E+00	0.00000E+00		
224	0	0	0.00000E+00	0.00000E+00	-1071.9	0.00000E+00	0.00000E+00	0.00000E+00		
226	227	1	0.00000E+00	0.00000E+00	-1151.9	0.00000E+00	0.00000E+00	0.00000E+00		
233	0	0	0.00000E+00	0.00000E+00	-495.95	0.00000E+00	0.00000E+00	0.00000E+00		
235	237	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
245	0	0	0.00000E+00	0.00000E+00	-495.95	0.00000E+00	0.00000E+00	0.00000E+00		
246	0	0	0.00000E+00	0.00000E+00	-1071.9	0.00000E+00	0.00000E+00	0.00000E+00		
247	249	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
264	0	0	0.00000E+00	0.00000E+00	-831.91	0.00000E+00	0.00000E+00	0.00000E+00		
265	266	1	0.00000E+00	0.00000E+00	-1151.9	0.00000E+00	0.00000E+00	0.00000E+00		
276	0	0	0.00000E+00	0.00000E+00	-751.92	0.00000E+00	0.00000E+00	0.00000E+00		
280	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
281	283	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
296	0	0	0.00000E+00	0.00000E+00	-943.90	0.00000E+00	0.00000E+00	0.00000E+00		
297	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
298	299	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
312	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
313	0	0	0.00000E+00	0.00000E+00	-895.91	0.00000E+00	0.00000E+00	0.00000E+00		
320	0	0	0.00000E+00	0.00000E+00	-1039.9	0.00000E+00	0.00000E+00	0.00000E+00		
321	0	0	0.00000E+00	0.00000E+00	-1087.9	0.00000E+00	0.00000E+00	0.00000E+00		
328	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
329	331	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
344	0	0	0.00000E+00	0.00000E+00	-1039.9	0.00000E+00	0.00000E+00	0.00000E+00		
345	346	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
347	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
360	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
361	0	0	0.00000E+00	0.00000E+00	-1087.9	0.00000E+00	0.00000E+00	0.00000E+00		
368	0	0	0.00000E+00	0.00000E+00	-943.90	0.00000E+00	0.00000E+00	0.00000E+00		
369	0	0	0.00000E+00	0.00000E+00	-895.91	0.00000E+00	0.00000E+00	0.00000E+00		
376	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
377	379	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
392	0	0	0.00000E+00	0.00000E+00	-751.92	0.00000E+00	0.00000E+00	0.00000E+00		
393	394	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
395	0	0	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		
408	0	0	0.00000E+00	0.00000E+00	-831.91	0.00000E+00	0.00000E+00	0.00000E+00		
412	0	0	0.00000E+00	0.00000E+00	-1071.9	0.00000E+00	0.00000E+00	0.00000E+00		
413	414	1	0.00000E+00	0.00000E+00	-1151.9	0.00000E+00	0.00000E+00	0.00000E+00		
424	0	0	0.00000E+00	0.00000E+00	-495.95	0.00000E+00	0.00000E+00	0.00000E+00		
425	427	1	0.00000E+00	0.00000E+00	-991.90	0.00000E+00	0.00000E+00	0.00000E+00		

NUMBER OF LOADED NODES OR ELEMENTS = 98  
 LARGEST NODE OR ELEMENT NUMBER = 427

CBF LOAD INPUT

NUMBER OF VALUES = 9      START LOCATION = 1

FIRST ELEMENT	LAST ELEMENT	DIFF	VALUE 1	VALUE 2	VALUE 3	VALUE 4	VALUE 5	VALUE 6
49	52	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
61	63	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
70	73	3	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
74	76	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
85	88	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
97	98	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
103	104	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
109	112	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
121	124	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
133	134	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
139	140	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
145	148	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
157	160	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
169	172	3	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
173	174	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
181	184	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
193	196	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
205	207	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
214	217	3	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
218	220	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
229	232	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
241	242	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
247	248	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
253	256	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
265	268	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
277	278	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
283	284	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
289	292	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
301	304	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
313	316	3	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
317	318	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
325	328	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
777	867	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 187  
LARGEST NODE OR ELEMENT NUMBER = 867

L O A D C A S E 2

gk1-soletta

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
99	0	0	0.00000E+00	0.00000E+00	-46548.	0.00000E+00	0.00000E+00	0.00000E+00	
101	0	0	0.00000E+00	0.00000E+00	-21537.	0.00000E+00	0.00000E+00	0.00000E+00	
102	104	1	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00	
113	0	0	0.00000E+00	0.00000E+00	-36127.	0.00000E+00	0.00000E+00	0.00000E+00	
115	116	1	0.00000E+00	0.00000E+00	-50022.	0.00000E+00	0.00000E+00	0.00000E+00	
122	0	0	0.00000E+00	0.00000E+00	-32653.	0.00000E+00	0.00000E+00	0.00000E+00	

125	0	0	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
127	129	1	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
137	0	0	0.00000E+00	0.00000E+00	-40990.	0.00000E+00	0.00000E+00	0.00000E+00
139	141	1	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
149	0	0	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
151	0	0	0.00000E+00	0.00000E+00	-38906.	0.00000E+00	0.00000E+00	0.00000E+00
155	0	0	0.00000E+00	0.00000E+00	-45159.	0.00000E+00	0.00000E+00	0.00000E+00
157	0	0	0.00000E+00	0.00000E+00	-47243.	0.00000E+00	0.00000E+00	0.00000E+00
161	0	0	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
163	165	1	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
173	0	0	0.00000E+00	0.00000E+00	-45159.	0.00000E+00	0.00000E+00	0.00000E+00
175	0	0	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
176	0	0	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
177	0	0	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
185	0	0	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
187	0	0	0.00000E+00	0.00000E+00	-47243.	0.00000E+00	0.00000E+00	0.00000E+00
191	0	0	0.00000E+00	0.00000E+00	-40990.	0.00000E+00	0.00000E+00	0.00000E+00
193	0	0	0.00000E+00	0.00000E+00	-38906.	0.00000E+00	0.00000E+00	0.00000E+00
197	0	0	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
199	200	1	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
201	0	0	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
209	0	0	0.00000E+00	0.00000E+00	-32653.	0.00000E+00	0.00000E+00	0.00000E+00
211	212	1	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
213	0	0	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
221	0	0	0.00000E+00	0.00000E+00	-36127.	0.00000E+00	0.00000E+00	0.00000E+00
224	0	0	0.00000E+00	0.00000E+00	-46548.	0.00000E+00	0.00000E+00	0.00000E+00
226	227	1	0.00000E+00	0.00000E+00	-50022.	0.00000E+00	0.00000E+00	0.00000E+00
233	0	0	0.00000E+00	0.00000E+00	-21537.	0.00000E+00	0.00000E+00	0.00000E+00
235	237	1	0.00000E+00	0.00000E+00	-43075.	0.00000E+00	0.00000E+00	0.00000E+00
245	0	0	0.00000E+00	0.00000E+00	-20084.	0.00000E+00	0.00000E+00	0.00000E+00
246	0	0	0.00000E+00	0.00000E+00	-43407.	0.00000E+00	0.00000E+00	0.00000E+00
247	249	1	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
264	0	0	0.00000E+00	0.00000E+00	-33689.	0.00000E+00	0.00000E+00	0.00000E+00
265	266	1	0.00000E+00	0.00000E+00	-46646.	0.00000E+00	0.00000E+00	0.00000E+00
276	0	0	0.00000E+00	0.00000E+00	-30450.	0.00000E+00	0.00000E+00	0.00000E+00
280	0	0	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
281	283	1	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
296	0	0	0.00000E+00	0.00000E+00	-38224.	0.00000E+00	0.00000E+00	0.00000E+00
297	0	0	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
298	299	1	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
312	0	0	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
313	0	0	0.00000E+00	0.00000E+00	-36280.	0.00000E+00	0.00000E+00	0.00000E+00
320	0	0	0.00000E+00	0.00000E+00	-42111.	0.00000E+00	0.00000E+00	0.00000E+00
321	0	0	0.00000E+00	0.00000E+00	-44055.	0.00000E+00	0.00000E+00	0.00000E+00
328	0	0	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
329	331	1	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
344	0	0	0.00000E+00	0.00000E+00	-42111.	0.00000E+00	0.00000E+00	0.00000E+00
345	346	1	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
347	0	0	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
360	0	0	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
361	0	0	0.00000E+00	0.00000E+00	-44055.	0.00000E+00	0.00000E+00	0.00000E+00
368	0	0	0.00000E+00	0.00000E+00	-38224.	0.00000E+00	0.00000E+00	0.00000E+00
369	0	0	0.00000E+00	0.00000E+00	-36280.	0.00000E+00	0.00000E+00	0.00000E+00
376	0	0	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
377	379	1	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
392	0	0	0.00000E+00	0.00000E+00	-30450.	0.00000E+00	0.00000E+00	0.00000E+00
393	394	1	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
395	0	0	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00
408	0	0	0.00000E+00	0.00000E+00	-33689.	0.00000E+00	0.00000E+00	0.00000E+00
412	0	0	0.00000E+00	0.00000E+00	-43407.	0.00000E+00	0.00000E+00	0.00000E+00
413	414	1	0.00000E+00	0.00000E+00	-46646.	0.00000E+00	0.00000E+00	0.00000E+00
424	0	0	0.00000E+00	0.00000E+00	-20084.	0.00000E+00	0.00000E+00	0.00000E+00
425	427	1	0.00000E+00	0.00000E+00	-40168.	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 98  
LARGEST NODE OR ELEMENT NUMBER = 427

L O A D C A S E 3

gk1-baggioli

CBF LOAD INPUT

NUMBER OF VALUES = 9 START LOCATION = 1

FIRST ELEMENT	LAST ELEMENT	DIFF	VALUE 1	VALUE 2	VALUE 3	VALUE 4	VALUE 5	VALUE 6
972	975	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00	0.00000E+00	0.00000E+00
						0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 4  
LARGEST NODE OR ELEMENT NUMBER = 975

DATA STORAGE LOCATIONS USED = 1678

E L E M E N T O U T P U T

ELEMENTS WILL BE OUTPUT IN ASCENDING ORDER

FIRST ELT	LAST ELT	DIFF RNCE	OUTPUT CONTROL	AVERAGED NODAL VALUES GROUP	NODAL FORCE OUTPUT GROUP	HISTORY CONTROL	PLOT FILE CONTROL
1	1026	1	0	0	0	0	0
TOTAL NUMBER OF ELEMENT OUTPUT SETS				=	1		
TOTAL NUMBER OF ELEMENTS OUTPUT				=	1026		
LARGEST ELEMENT NUMBER INPUT				=	1026		
LARGEST ELEMENT OUTPUT CONTROL NUMBER				=	0		
DATA STORAGE LOCATIONS USED				=	4		

N O D E O U T P U T

FIRST NODE	LAST NODE	DIFF RNCE	OUTPUT CONTROL	HISTORY CONTROL	
1	1447	1	0	0	
TOTAL NUMBER OF NODE OUTPUT SETS				=	1
TOTAL NUMBER OF NODES OUTPUT				=	0
LARGEST NODE NUMBER INPUT				=	1447
LARGEST NODE OUTPUT CONTROL NUMBER				=	0
LARGEST NODE HISTORY CONTROL NUMBER				=	0
DATA STORAGE LOCATIONS USED				=	0

S U M M A R Y O F D A T A

TOTAL NUMBER OF ELEMENTS	=	1026
TOTAL NUMBER OF CONSTRAINTS	=	51
TOTAL NUMBER OF NODES	=	1447
TOTAL NUMBER OF SUPPORT NODES	=	5
TOTAL NUMBER OF LOADING CASES	=	3
LOCATIONS USED DURING DATA PROCESSING	=	78680026
LOCATIONS AVAILABLE	=	98304000
TIME USED TO PROCESS INPUT DATA	=	0.45300 SEC.
TIME AT CENTRAL PROCESSOR = 10:59:09 ON 14/05/21 (DAY/MTH/YR)		
INITIAL ESTIMATE OF NUMBER OF EDGES IN STRUCTURE	=	2178
INITIAL ESTIMATE OF NUMBER OF FACES IN STRUCTURE	=	576

\*\*\*WARNING\*\*\* THE FAST PARALLEL SOLVER WILL BE USED AS DEFAULT IF  
CONSTRAINT EQUATIONS ARE PRESENT - EXPLICITLY SPECIFYING  
THE SOLVER TYPE WILL OVERRIDE (SOLTYP PROCESSOR)

E S T I M A T E O F M O D E L G E O M E T R I C P R O P E R T I E S A N D L O A D I N G

MATERIAL SET	GEOMETRIC SUMMARY			ELEMENT MASS KG	CENTRE OF GRAVITY		
	LENGTH M	AREA sq M	VOLUME cu M		X-COORD M	Y-COORD M	Z-COORD M
2	0.00000E+00	532.425	159.728	399319.	25.2505	5.72500	0.121081E-12
1	183.200	0.00000E+00	15.7406	123564.	25.2855	5.82500	-0.182129
6	27.2001	0.00000E+00	0.912090	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
5	35.1999	0.00000E+00	0.573070	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	3.20000	0.00000E+00	4.60800	11520.0	25.2855	5.82500	-2.80000
3	17.0000	0.00000E+00	805.715	0.201429E+07	1.56127	12.2685	-6.63446
4	4.00000	0.00000E+00	40.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.221253E+07	-1.19156	12.2647	-3.15000
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
TOTALS FOR STRUCTURE	269.800	532.425	1027.28	0.476122E+07	2.94193	11.5351	-4.28208

MATERIAL SET	MOMENTS OF INERTIA ABOUT GLOBAL DIRECTIONS WITH ORIGIN AT (0,0,0)											
	Ixx		Iyy		Izz		Ixy		Iyz		Ixz	
	KG	M **2	KG	M **2	KG	M **2	KG	M **2	KG	M **2	KG	M **2
2	0.175153E+08		0.327159E+09		0.344675E+09		-0.592724E+08		-0.705297E-12		-0.220852E-11	
1	0.538346E+07		0.100565E+09		0.105904E+09		-0.186078E+08		131089.		569040.	
6	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
5	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
7	606600.		0.136999E+08		0.141222E+08		-0.173994E+07		187891.		815609.	
3	0.425618E+09		0.109868E+09		0.339453E+09		-0.466740E+08		0.163954E+09		0.159293E+08	
4	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
11	0.354769E+09		0.250953E+08		0.335957E+09		0.323343E+08		0.854785E+08		-0.830457E+07	
9	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
10	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
8	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
TOTALS FOR STRUCTURE	0.803892E+09		0.576388E+09		0.114011E+10		-0.939598E+08		0.249752E+09		0.900934E+07	

MATERIAL SET	MOMENTS OF INERTIA ABOUT GLOBAL DIRECTIONS WITH ORIGINS AT CENTROIDS											
	Ixx		Iyy		Izz		Ixy		Iyz		Ixz	
	KG	M **2	KG	M **2	KG	M **2	KG	M **2	KG	M **2	KG	M **2
2	0.442734E+07		0.725578E+08		0.769852E+08		-0.154714E+07		0.276803E-06		0.122086E-05	
1	0.118676E+07		0.215597E+08		0.227094E+08		-408270.		0.116415E-09		0.221189E-08	
6	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
5	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
7	125402.		0.624421E+07		0.636593E+07		-43179.7		0.000000E+00		0.116415E-09	
3	0.337762E+08		0.162971E+08		0.313622E+08		-0.809149E+07		2037.23		-0.493513E+07	
4	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
11	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
9	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
10	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
8	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
TOTALS FOR STRUCTURE	0.830675E+08		0.447877E+09		0.465380E+09		0.676143E+08		0.145745E+08		-0.509705E+08	

MATERIAL SET	PRINCIPAL MOMENTS OF INERTIA ABOUT CENTROIDAL AXES						PRINCIPAL DIRECTIONS					
	I 11		I 22		I 33							
	KG	M **2	KG	M **2	KG	M **2						
2	0.769852E+08		0.725929E+08		0.439223E+07		( 0.00, 0.00, 1.00)	(-0.02, 1.00, -0.00)	( 1.00, 0.02, -0.00)			
1	0.227094E+08		0.215678E+08		0.117858E+07		( 0.00, 0.00, 1.00)	(-0.02, 1.00, 0.00)	( 1.00, 0.02, -0.00)			
6	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
5	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
7	0.636593E+07		0.624452E+07		125098.		( 0.00, 0.00, 1.00)	(-0.01, 1.00, 0.00)	( 1.00, 0.01, -0.00)			
3	0.395617E+08		0.289317E+08		0.129421E+08		( 0.82, -0.29, -0.49)	(-0.43, 0.27, -0.86)	( 0.38, 0.92, 0.10)			
4	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
11	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
9	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
10	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
8	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
TOTALS FOR STRUCTURE	0.474279E+09		0.458038E+09		0.640070E+08		(-0.06, 0.36, 0.93)	( 0.21, 0.91, -0.34)	( 0.98, -0.18, 0.13)			

FORCE OUTPUT GROUP	RESULTANT APPLIED LOAD AT ORIGIN IN GLOBAL DIRECTIONS											
	Fx		Fy		Fz		Mx		My		Mz	
	N	N	N	N	N	N	.M	.M	.M	.M	.M	
LOAD CASE 1												
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.130739E+07	-0.761552E+07	0.330579E+08	0.000000E+00						
LOAD CASE 2												
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.399562E+07	-0.228175E+08	0.100872E+09	0.000000E+00						
LOAD CASE 3												
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-113011.	-658290.	0.285754E+07	0.000000E+00						

AVERAGE ASPECT RATIO OF STRUCTURAL ELEMENTS (EXCEPT JOINTS, BARS AND BEAMS) = 1.200  
AVERAGE VALUE OF POISSON'S RATIO (FOR ISOTROPIC MATERIALS ONLY) = 0.2390

TOTAL TIME FOR GLOBAL MATRIX ASSEMBLY = 0.16000E-01 SEC.  
TOTAL NUMBER OF NONZERO ENTRIES IN THE MATRIX = 118388

LOCATIONS USED DURING PRE-SOLUTION PROCESS = 471930  
LOCATIONS AVAILABLE = 98304000

TOTAL NO. OF STRUCTURAL DEGREES OF FREEDOM = 5907  
TOTAL NO. OF ACTIVE DEGREES OF FREEDOM = 5907  
TOTAL NO. OF EQUATIONS = 5958  
TOTAL NO. OF ACTIVE NODES = 985

NUMBER OF ELEMENT GROUPS = 34  
MAXIMUM NUMBER OF ELEMENTS IN A GROUP = 32

MAXIMUM SIZE OF ELEMENT DATA RECORDS = 39065  
MAXIMUM SIZE OF ELEMENT RESULT RECORDS = 45987  
MAXIMUM SIZE OF ELEMENT SOLUTION RECORDS = 0

MAXIMUM SIZE OF ELEMENT SHAPE RECORDS = 11546  
 TOTAL SIZE OF ELEMENT DATA RECORDS = 860745  
 TOTAL SIZE OF ELEMENT RESULT RECORDS = 1192295  
 TOTAL SIZE OF ELEMENT SOLUTION RECORDS = 0  
 TOTAL SIZE OF GLOBAL SOLUTION RECORD = 37848  
 TOTAL SIZE OF GLOBAL MATRIX & RHS RECORDS = 201442

TIME FOR PRE-SOLUTION PROCESS = 0.63000E-01 SEC. (ALL ELEMENT STIFFNESS MATRICES)

TIME AT CENTRAL PROCESSOR = 10:59:09 ON 14/05/21 (DAY/MTH/YR)

SOLUTION BY FRONTAL SPARSE MATRIX TECHNIQUE

=====

= Parallel multifrontal solver statistics =  
 =====  
 Solving symmetric indefinite matrix  
 Minimum degree equation re-ordering algorithm used  
 Number of nonzeros in L and U = 389982  
 Number of iterative refinement steps = 4  
 Number of positive eigenvalues = 5877  
 Number of negative eigenvalues = 51  
 Peak memory used during analysis and  
 symbolic factorisation (MB) = 4.69  
 Total peak memory used during solve (MB) = 8.64  
 In-memory/out-of-memory solution executed

FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 1 = 0.87231E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 2 = 0.38637E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 3 = 0.93952E-35

TOTAL ELAPSED TIME USED SOLVING EQUATIONS = 0 HRS 0 MINS 1 SECS

LOCATIONS USED DURING POST-SOLUTION PROCESS = 510051  
 LOCATIONS AVAILABLE = 98304000

ACTUAL TOTAL NO. EDGES IN STRUCTURE = 1565  
 ACTUAL TOTAL NO. FACES IN STRUCTURE = 576

TIME FOR POST-SOLUTION PROCESS = 0.37300 SEC.

TOTAL CPU TIME USED FOR SOLUTION = 0.89000 SEC.

TOTAL ELAPSED TIME USED FOR SOLUTION = 0 HRS 0 MINS 1 SECS

TIME AT CENTRAL PROCESSOR = 10:59:10 ON 14/05/21 (DAY/MTH/YR)

I/O STATISTICS OF MAIN DIRECT ACCESS DISK UNITS

Disk Unit Name	Disk Page Size (Bytes)	Calls to I/O Routines	Buffered Transfers	Disk Accesses	Page Table Swaps	Peak File Size (Mbytes)
PROBLEM	16384	723	1658	0	0	0.1562500E-01
FRONTAL	16384	0	0	0	0	0.1562500E-01
SHAPES	16384	46	171	0	0	0.1562500E-01
PLOT	16384	3104	3397	0	0	4.687500
RESTART	0	0	0	0	0	0.0000000E+00

\*\*\*LUSAS RUN SUCCESSFULLY COMPLETED\*\*\*



TIME AT CENTRAL PROCESSOR = 10:59:14 ON 14/05/21 (DAY/MTH/YR)

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

NLPZ 98304000  
NPGS 960  
MXELGP 32

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

IDTIME 1

LL UU UU SSSSS AAAA SSSSS  
LL UU UU SS SS AA AA SS SS  
LL UU UU SS AA AA SS  
LL UU UU SSSSS AAAAAAA SSSSS  
LL UU UU SSSSS AAAAAAA SSSSS  
LL UU UU SS AA AA SS  
LLLLLLLL UU UU SS SS AA AA SS SS  
LLLLLLLL UUUUU SSSSS AA AA SSSSS

Build Information : KITBUILD03 - Feb 16 2021 02:12:17

Kit Version : 19.1-B3  
Solver Version : 19.1.1233.7156 (32-bit)

Developed by: LUSAS,  
Forge House,  
66 High Street,  
Kingston upon Thames,  
Surrey, KT1 1HN, UK  
www.lusas.com  
  
Sales Enquiries: Tel +44 (0)20 8541 1999  
Fax +44 (0)20 8549 9399  
Email: info@lusas.com  
  
Customer Support: Tel +44 (0)20 3325 0440  
Fax +44 (0)20 8549 9399  
Email: support@lusas.com

KeyID 15062 licensed on PC processor. Expires 1-07-2021  
Using Sentinel license server.  
Analysis Options : Nonlinear, Dynamics, Thermal/Field, FDS (Fast Direct Solver)  
Element Library : Plus

Solver executed : C:\Program Files (x86)\LUSAS191\Programs\Lusas\_S.exe  
Input file :

V:\100\_commesse\100\_699\571\_343\_Imp\_misti\_Ragusana\_SS194\_Sintagma.AS\L4\_VI05\_06\_Buonafede\modelli\sottostrutture\LUSASFiles32\Buonafede\_sottostr\_r02  
\Buonafede\_sottostr\_r02~02 - Fase2a.dat

Number of processors available : 4  
Maximum number of threads available : 4

Memory request for 1105Mb Succeeded

TIME AT CENTRAL PROCESSOR = 10:59:15 ON 14/05/21 (DAY/MTH/YR)

P R O B L E M 1

Viadotto Buonafede - sottostrutture

U N I T S N M K G S C

GRAVITY DIRECTION = Z ACCELERATION = -9.810

O P T I O N(S) 2 SUPPRESS NODE COORDINATE CHECKS FOR SIMILAR COORDS AND MISSING NODES

O P T I O N(S) 48 SWITCH CBF/BFP INPUT FROM FORCE/UNIT VOLUME TO ACCELERATION

O P T I O N(S) 61 ALL TWO DIMENSIONAL SLIDELINE SURFACES DEFINED WITH OUTWARD NORMALS

O P T I O N(S) 123 CLOCKWISE NODE NUMBERING

O P T I O N(S) -131 PARALLEL FRONTAL SOLVER ALGORITHM

O P T I O N(S) 242 TEMPERATURES INPUT AND OUTPUT IN DEGREES CELSIUS  
 O P T I O N(S) 250 DATAFILE HAS BEEN CREATED BY MODELLER  
 O P T I O N(S) 253 EMISSIVITY SPECIFIED IN THERMAL ENVIRONMENT PROPERTIES  
 O P T I O N(S) 259 SAVE NODAL STRESSES IN PLOT FILE TO AVOID STRESS EXTRAPOLATION IN MODELLER  
 O P T I O N(S) 272 ACTIVATE OR DEACTIVATE ELEMENTS  
 O P T I O N(S) 278 ASSIGN SIX DEGREES OF FREEDOM TO ALL THICK SHELL ELEMENT NODES  
 O P T I O N(S) -282 F SET SLOANE FRONTAL OPTIMISER AS DEFAULT  
 O P T I O N(S) 324 SPECIFY DAMPING PROPERTIES FOR JOINT PROPERTIES GENERAL EXPLICITLY  
 O P T I O N(S) 386 USE OF WEIGHTED FORCE/STIFFNESS DISTRIBUTION WITH SLIDELINES  
 O P T I O N(S) 396 IMPROVED TOP/MIDDLE/BOTTOM TRANSVERSE SHEAR STRESS CALCULATION FOR THICK SHELL ELEMENTS  
 O P T I O N(S) 399 RETAIN INACTIVE ELEMENTS IN BIRTH AND DEATH SOLUTION (OLD ANALYSIS TYPE)  
 O P T I O N(S) 414 INTRODUCE RESIDUAL BENDING FLEXIBILITY CORRECTION FOR 2-NODE THICK BEAM BTS3  
 O P T I O N(S) 416 DATA FILE CREATED IN V15.0 OR LATER  
 O P T I O N(S) 433 USE HERMITIAN SHAPE FUNCTIONS TO FORMULATE THE MASS MATRIX FOR 2-NODE THICK BEAMS

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
JSH4	ELEMENTS			
1016	1319	1288	1426	1427
1017	1325	1296	1428	1429
1018	1322	1304	1430	1431
1019	1328	1312	1432	1433
1020	1412	1414	1434	1435
1021	1413	1415	1436	1437
1022	1416	1424	1438	1439
1023	1420	1331	1440	1441
1024	1421	1425	1442	1443
1025	1422	492	1444	1445
1026	1423	714	1446	1447

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
QTS4	ELEMENTS			
1	1	3	8	7
2	3	4	9	8
3	4	5	10	9
4	5	2	6	10
5	2	12	15	6
6	12	13	16	15
7	13	11	14	16
8	11	17	18	14
9	17	20	24	18
10	20	21	25	24
11	21	22	26	25
12	22	19	23	26
13	19	28	32	23
14	28	29	33	32
15	29	30	34	33
16	30	27	31	34
17	27	36	38	31
18	36	35	37	38
19	35	40	42	37
20	40	39	41	42
21	39	44	48	41
22	44	45	49	48

23	45	46	50	49
24	46	43	47	50
25	43	52	56	47
26	52	53	57	56
27	53	54	58	57
28	54	51	55	58
29	51	60	62	55
30	60	59	61	62
31	59	64	66	61
32	64	63	65	66
33	63	68	72	65
34	68	69	73	72
35	69	70	74	73
36	70	67	71	74
37	67	76	80	71
38	76	77	81	80
39	77	78	82	81
40	78	75	79	82
41	75	83	84	79
42	83	86	89	84
43	86	87	90	89
44	87	85	88	90
45	85	92	96	88
46	92	93	97	96
47	93	94	98	97
48	94	91	95	98
53	7	8	110	109
54	8	9	111	110
55	9	10	112	111
56	10	6	100	112
57	109	110	102	101
58	110	111	103	102
59	111	112	104	103
60	112	100	99	104
64	6	15	120	100
65	15	16	121	120
66	16	14	114	121
67	100	120	115	99
68	120	121	116	115
69	121	114	113	116
71	14	18	123	114
72	114	123	122	113
77	18	24	134	123
78	24	25	135	134
79	25	26	136	135
80	26	23	126	136
81	123	134	127	122
82	134	135	128	127
83	135	136	129	128
84	136	126	125	129
89	23	32	146	126
90	32	33	147	146
91	33	34	148	147
92	34	31	138	148
93	126	146	139	125
94	146	147	140	139
95	147	148	141	140
96	148	138	137	141
99	31	38	154	138
100	38	37	150	154
101	138	154	151	137
102	154	150	149	151
105	37	42	160	150
106	42	41	156	160
107	150	160	157	149
108	160	156	155	157
113	41	48	170	156
114	48	49	171	170
115	49	50	172	171
116	50	47	162	172
117	156	170	163	155
118	170	171	164	163
119	171	172	165	164
120	172	162	161	165
125	47	56	182	162
126	56	57	183	182
127	57	58	184	183
128	58	55	174	184
129	162	182	175	161
130	182	183	176	175
131	183	184	177	176
132	184	174	173	177
135	55	62	190	174
136	62	61	186	190
137	174	190	187	173
138	190	186	185	187
141	61	66	196	186
142	66	65	192	196
143	186	196	193	185
144	196	192	191	193
149	65	72	206	192
150	72	73	207	206
151	73	74	208	207
152	74	71	198	208
153	192	206	199	191
154	206	207	200	199
155	207	208	201	200
156	208	198	197	201

161	71	80	218	198
162	80	81	219	218
163	81	82	220	219
164	82	79	210	220
165	198	218	211	197
166	218	219	212	211
167	219	220	213	212
168	220	210	209	213
170	79	84	222	210
171	210	222	221	209
175	84	89	231	222
176	89	90	232	231
177	90	88	225	232
178	222	231	226	221
179	231	232	227	226
180	232	225	224	227
185	88	96	242	225
186	96	97	243	242
187	97	98	244	243
188	98	95	234	244
189	225	242	235	224
190	242	243	236	235
191	243	244	237	236
192	244	234	233	237
197	245	247	261	260
198	247	248	262	261
199	248	249	263	262
200	249	246	255	263
201	260	261	257	256
202	261	262	258	257
203	262	263	259	258
204	263	255	254	259
208	246	265	274	255
209	265	266	275	274
210	266	264	271	275
211	255	274	272	254
212	274	275	273	272
213	275	271	270	273
215	264	276	279	271
216	271	279	278	270
221	276	281	293	279
222	281	282	294	293
223	282	283	295	294
224	283	280	289	295
225	279	293	290	278
226	293	294	291	290
227	294	295	292	291
228	295	289	288	292
233	280	297	309	289
234	297	298	310	309
235	298	299	311	310
236	299	296	305	311
237	289	309	306	288
238	309	310	307	306
239	310	311	308	307
240	311	305	304	308
243	296	313	319	305
244	313	312	317	319
245	305	319	318	304
246	319	317	316	318
249	312	321	327	317
250	321	320	325	327
251	317	327	326	316
252	327	325	324	326
257	320	329	341	325
258	329	330	342	341
259	330	331	343	342
260	331	328	337	343
261	325	341	338	324
262	341	342	339	338
263	342	343	340	339
264	343	337	336	340
269	328	345	357	337
270	345	346	358	357
271	346	347	359	358
272	347	344	353	359
273	337	357	354	336
274	357	358	355	354
275	358	359	356	355
276	359	353	352	356
279	344	361	367	353
280	361	360	365	367
281	353	367	366	352
282	367	365	364	366
285	360	369	375	365
286	369	368	373	375
287	365	375	374	364
288	375	373	372	374
293	368	377	389	373
294	377	378	390	389
295	378	379	391	390
296	379	376	385	391
297	373	389	386	372
298	389	390	387	386
299	390	391	388	387
300	391	385	384	388
305	376	393	405	385
306	393	394	406	405

307	394	395	407	406
308	395	392	401	407
309	385	405	402	384
310	405	406	403	402
311	406	407	404	403
312	407	401	400	404
314	392	408	411	401
315	401	411	410	400
319	408	413	422	411
320	413	414	423	422
321	414	412	419	423
322	411	422	420	410
323	422	423	421	420
324	423	419	418	421
329	412	425	437	419
330	425	426	438	437
331	426	427	439	438
332	427	424	433	439
333	419	437	434	418
334	437	438	435	434
335	438	439	436	435
336	439	433	432	436
337	256	257	442	441
338	257	258	443	442
339	258	259	444	443
340	259	254	440	444
341	254	272	446	440
342	272	273	447	446
343	273	270	445	447
344	270	278	448	445
345	278	290	450	448
346	290	291	451	450
347	291	292	452	451
348	292	288	449	452
349	288	306	454	449
350	306	307	455	454
351	307	308	456	455
352	308	304	453	456
353	304	318	458	453
354	318	316	457	458
355	316	326	460	457
356	326	324	459	460
357	324	338	462	459
358	338	339	463	462
359	339	340	464	463
360	340	336	461	464
361	336	354	466	461
362	354	355	467	466
363	355	356	468	467
364	356	352	465	468
365	352	366	470	465
366	366	364	469	470
367	364	374	472	469
368	374	372	471	472
369	372	386	474	471
370	386	387	475	474
371	387	388	476	475
372	388	384	473	476
373	384	402	478	473
374	402	403	479	478
375	403	404	480	479
376	404	400	477	480
377	400	410	481	477
378	410	420	483	481
379	420	421	484	483
380	421	418	482	484
381	418	434	486	482
382	434	435	487	486
383	435	436	488	487
384	436	432	485	488
385	101	102	498	496
386	102	103	499	498
387	103	104	500	499
388	104	99	490	500
389	496	498	501	497
390	498	499	502	501
391	499	500	503	502
392	500	490	491	503
393	497	501	495	492
394	501	502	494	495
395	502	503	493	494
396	503	491	489	493
397	492	495	508	506
398	495	494	509	508
399	494	493	510	509
400	493	489	504	510
401	506	508	511	507
402	508	509	512	511
403	509	510	513	512
404	510	504	505	513
405	507	511	247	245
406	511	512	248	247
407	512	513	249	248
408	513	505	246	249
409	99	115	519	490
410	115	116	520	519
411	116	113	515	520
412	490	519	521	491

413	519	520	522	521
414	520	515	516	522
415	491	521	518	489
416	521	522	517	518
417	522	516	514	517
418	489	518	525	504
419	518	517	526	525
420	517	514	523	526
421	504	525	527	505
422	525	526	528	527
423	526	523	524	528
424	505	527	265	246
425	527	528	266	265
426	528	524	264	266
427	113	122	530	515
428	515	530	531	516
429	516	531	529	514
430	514	529	532	523
431	523	532	533	524
432	524	533	276	264
433	122	127	540	530
434	127	128	541	540
435	128	129	542	541
436	129	125	535	542
437	530	540	543	531
438	540	541	544	543
439	541	542	545	544
440	542	535	536	545
441	531	543	539	529
442	543	544	538	539
443	544	545	537	538
444	545	536	534	537
445	529	539	548	532
446	539	538	549	548
447	538	537	550	549
448	537	534	546	550
449	532	548	551	533
450	548	549	552	551
451	549	550	553	552
452	550	546	547	553
453	533	551	281	276
454	551	552	282	281
455	552	553	283	282
456	553	547	280	283
457	125	139	560	535
458	139	140	561	560
459	140	141	562	561
460	141	137	555	562
461	535	560	563	536
462	560	561	564	563
463	561	562	565	564
464	562	555	556	565
465	536	563	559	534
466	563	564	558	559
467	564	565	557	558
468	565	556	554	557
469	534	559	568	546
470	559	558	569	568
471	558	557	570	569
472	557	554	566	570
473	546	568	571	547
474	568	569	572	571
475	569	570	573	572
476	570	566	567	573
477	547	571	297	280
478	571	572	298	297
479	572	573	299	298
480	573	567	296	299
481	137	151	578	555
482	151	149	575	578
483	555	578	579	556
484	578	575	576	579
485	556	579	577	554
486	579	576	574	577
487	554	577	582	566
488	577	574	580	582
489	566	582	583	567
490	582	580	581	583
491	567	583	313	296
492	583	581	312	313
493	149	157	588	575
494	157	155	585	588
495	575	588	589	576
496	588	585	586	589
497	576	589	587	574
498	589	586	584	587
499	574	587	592	580
500	587	584	590	592
501	580	592	593	581
502	592	590	591	593
503	581	593	321	312
504	593	591	320	321
505	155	163	600	585
506	163	164	601	600
507	164	165	602	601
508	165	161	595	602
509	585	600	603	586
510	600	601	604	603

511	601	602	605	604
512	602	595	596	605
513	586	603	599	584
514	603	604	598	599
515	604	605	597	598
516	605	596	594	597
517	584	599	608	590
518	599	598	609	608
519	598	597	610	609
520	597	594	606	610
521	590	608	611	591
522	608	609	612	611
523	609	610	613	612
524	610	606	607	613
525	591	611	329	320
526	611	612	330	329
527	612	613	331	330
528	613	607	328	331
529	161	175	620	595
530	175	176	621	620
531	176	177	622	621
532	177	173	615	622
533	595	620	623	596
534	620	621	624	623
535	621	622	625	624
536	622	615	616	625
537	596	623	619	594
538	623	624	618	619
539	624	625	617	618
540	625	616	614	617
541	594	619	628	606
542	619	618	629	628
543	618	617	630	629
544	617	614	626	630
545	606	628	631	607
546	628	629	632	631
547	629	630	633	632
548	630	626	627	633
549	607	631	345	328
550	631	632	346	345
551	632	633	347	346
552	633	627	344	347
553	173	187	638	615
554	187	185	635	638
555	615	638	639	616
556	638	635	636	639
557	616	639	637	614
558	639	636	634	637
559	614	637	642	626
560	637	634	640	642
561	626	642	643	627
562	642	640	641	643
563	627	643	361	344
564	643	641	360	361
565	185	193	648	635
566	193	191	645	648
567	635	648	649	636
568	648	645	646	649
569	636	649	647	634
570	649	646	644	647
571	634	647	652	640
572	647	644	650	652
573	640	652	653	641
574	652	650	651	653
575	641	653	369	360
576	653	651	368	369
577	191	199	660	645
578	199	200	661	660
579	200	201	662	661
580	201	197	655	662
581	645	660	663	646
582	660	661	664	663
583	661	662	665	664
584	662	655	656	665
585	646	663	659	644
586	663	664	658	659
587	664	665	657	658
588	665	656	654	657
589	644	659	668	650
590	659	658	669	668
591	658	657	670	669
592	657	654	666	670
593	650	668	671	651
594	668	669	672	671
595	669	670	673	672
596	670	666	667	673
597	651	671	377	368
598	671	672	378	377
599	672	673	379	378
600	673	667	376	379
601	197	211	680	655
602	211	212	681	680
603	212	213	682	681
604	213	209	675	682
605	655	680	683	656
606	680	681	684	683
607	681	682	685	684
608	682	675	676	685

609	656	683	679	654
610	683	684	678	679
611	684	685	677	678
612	685	676	674	677
613	654	679	688	666
614	679	678	689	688
615	678	677	690	689
616	677	674	686	690
617	666	688	691	667
618	688	689	692	691
619	689	690	693	692
620	690	686	687	693
621	667	691	393	376
622	691	692	394	393
623	692	693	395	394
624	693	687	392	395
625	209	221	695	675
626	675	695	696	676
627	676	696	694	674
628	674	694	697	686
629	686	697	698	687
630	687	698	408	392
631	221	226	704	695
632	226	227	705	704
633	227	224	700	705
634	695	704	706	696
635	704	705	707	706
636	705	700	701	707
637	696	706	703	694
638	706	707	702	703
639	707	701	699	702
640	694	703	710	697
641	703	702	711	710
642	702	699	708	711
643	697	710	712	698
644	710	711	713	712
645	711	708	709	713
646	698	712	413	408
647	712	713	414	413
648	713	709	412	414
649	224	235	720	700
650	235	236	721	720
651	236	237	722	721
652	237	233	715	722
653	700	720	723	701
654	720	721	724	723
655	721	722	725	724
656	722	715	716	725
657	701	723	719	699
658	723	724	718	719
659	724	725	717	718
660	725	716	714	717
661	699	719	728	708
662	719	718	729	728
663	718	717	730	729
664	717	714	726	730
665	708	728	731	709
666	728	729	732	731
667	729	730	733	732
668	730	726	727	733
669	709	731	425	412
670	731	732	426	425
671	732	733	427	426
672	733	727	424	427

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS		
	ELEMENTS		
PM3			
1015	1417	1418	1419

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS	END CONDITIONS (C=CONSTRAINED, F=FREE, R=RESTRAINED)	
	ELEMENTS		
BMI21			
49	101	102	105
50	102	103	106
51	103	104	107
52	104	99	108
61	99	115	117
62	115	116	118
63	116	113	119
70	113	122	124
73	122	127	130
74	127	128	131
75	128	129	132
76	129	125	133



85	125	139	142
86	139	140	143
87	140	141	144
88	141	137	145
97	137	151	152
98	151	149	153
103	149	157	158
104	157	155	159
109	155	163	166
110	163	164	167
111	164	165	168
112	165	161	169
121	161	175	178
122	175	176	179
123	176	177	180
124	177	173	181
133	173	187	188
134	187	185	189
139	185	193	194
140	193	191	195
145	191	199	202
146	199	200	203
147	200	201	204
148	201	197	205
157	197	211	214
158	211	212	215
159	212	213	216
160	213	209	217
169	209	221	223
172	221	226	228
173	226	227	229
174	227	224	230
181	224	235	238
182	235	236	239
183	236	237	240
184	237	233	241
193	245	247	250
194	247	248	251
195	248	249	252
196	249	246	253
205	246	265	267
206	265	266	268
207	266	264	269
214	264	276	277
217	276	281	284
218	281	282	285
219	282	283	286
220	283	280	287
229	280	297	300
230	297	298	301
231	298	299	302
232	299	296	303
241	296	313	314
242	313	312	315
247	312	321	322
248	321	320	323
253	320	329	332
254	329	330	333
255	330	331	334
256	331	328	335
265	328	345	348
266	345	346	349
267	346	347	350
268	347	344	351
277	344	361	362
278	361	360	363
283	360	369	370
284	369	368	371
289	368	377	380
290	377	378	381
291	378	379	382
292	379	376	383
301	376	393	396
302	393	394	397
303	394	395	398
304	395	392	399
313	392	408	409
316	408	413	415
317	413	414	416
318	414	412	417
325	412	425	428
326	425	426	429
327	426	427	430
328	427	424	431
673	101	735	736
674	735	734	737
675	99	739	740
676	739	738	741
677	122	743	744
678	743	742	745
679	125	747	748
680	747	746	749
681	137	751	752
682	751	750	753
683	155	755	756
684	755	754	757
685	161	759	760
686	759	758	761

687	173	763	764
688	763	762	765
689	191	767	768
690	767	766	769
691	197	771	772
692	771	770	773
693	209	775	776
694	775	774	777
695	224	779	780
696	779	778	781
697	233	783	784
698	783	782	785
699	245	787	788
700	787	786	789
701	246	791	792
702	791	790	793
703	276	795	796
704	795	794	797
705	280	799	800
706	799	798	801
707	296	803	804
708	803	802	805
709	320	807	808
710	807	806	809
711	328	811	812
712	811	810	813
713	344	815	816
714	815	814	817
715	368	819	820
716	819	818	821
717	376	823	824
718	823	822	825
719	392	827	828
720	827	826	829
721	412	831	832
722	831	830	833
723	424	835	836
724	835	834	837
725	734	839	840
726	839	838	841
727	782	843	844
728	843	842	845
729	786	847	848
730	847	846	849
731	834	851	852
732	851	850	853
733	738	855	856
734	855	854	857
735	742	859	860
736	859	858	861
737	746	863	864
738	863	862	865
739	750	867	868
740	867	866	869
741	754	871	872
742	871	870	873
743	758	875	876
744	875	874	877
745	762	879	880
746	879	878	881
747	766	883	884
748	883	882	885
749	770	887	888
750	887	886	889
751	774	891	892
752	891	890	893
753	778	895	896
754	895	894	897
755	790	899	900
756	899	898	901
757	794	903	904
758	903	902	905
759	798	907	908
760	907	906	909
761	802	911	912
762	911	910	913
763	806	915	916
764	915	914	917
765	810	919	920
766	919	918	921
767	814	923	924
768	923	922	925
769	818	927	928
770	927	926	929
771	822	931	932
772	931	930	933
773	826	935	936
774	935	934	937
775	830	939	940
776	939	938	941
777	838	942	948
778	942	943	949
779	943	944	950
780	944	945	951
781	945	946	952
782	946	947	953
783	947	846	954
784	842	955	961

785	955	956	962
786	956	957	963
787	957	958	964
788	958	959	965
789	959	960	966
790	960	850	967
791	854	968	974
792	968	969	975
793	969	970	976
794	970	971	977
795	971	972	978
796	972	973	979
797	973	898	980
798	858	981	987
799	981	982	988
800	982	983	989
801	983	984	990
802	984	985	991
803	985	986	992
804	986	902	993
805	862	994	1000
806	994	995	1001
807	995	996	1002
808	996	997	1003
809	997	998	1004
810	998	999	1005
811	999	906	1006
812	866	1007	1013
813	1007	1008	1014
814	1008	1009	1015
815	1009	1010	1016
816	1010	1011	1017
817	1011	1012	1018
818	1012	910	1019
819	870	1020	1026
820	1020	1021	1027
821	1021	1022	1028
822	1022	1023	1029
823	1023	1024	1030
824	1024	1025	1031
825	1025	914	1032
826	874	1033	1039
827	1033	1034	1040
828	1034	1035	1041
829	1035	1036	1042
830	1036	1037	1043
831	1037	1038	1044
832	1038	918	1045
833	878	1046	1052
834	1046	1047	1053
835	1047	1048	1054
836	1048	1049	1055
837	1049	1050	1056
838	1050	1051	1057
839	1051	922	1058
840	882	1059	1065
841	1059	1060	1066
842	1060	1061	1067
843	1061	1062	1068
844	1062	1063	1069
845	1063	1064	1070
846	1064	926	1071
847	886	1072	1078
848	1072	1073	1079
849	1073	1074	1080
850	1074	1075	1081
851	1075	1076	1082
852	1076	1077	1083
853	1077	930	1084
854	890	1085	1091
855	1085	1086	1092
856	1086	1087	1093
857	1087	1088	1094
858	1088	1089	1095
859	1089	1090	1096
860	1090	934	1097
861	894	1098	1104
862	1098	1099	1105
863	1099	1100	1106
864	1100	1101	1107
865	1101	1102	1108
866	1102	1103	1109
867	1103	938	1110
868	1111	1113	1114
869	1113	1112	1115
870	854	1116	1117
871	1116	1111	1118
872	1119	1121	1122
873	1121	1120	1123
874	858	1124	1125
875	1124	1119	1126
876	1127	1129	1130
877	1129	1128	1131
878	862	1132	1133
879	1132	1127	1134
880	1135	1137	1138
881	1137	1136	1139
882	866	1140	1141

883	1140	1135	1142
884	1143	1145	1146
885	1145	1144	1147
886	870	1148	1149
887	1148	1143	1150
888	1151	1153	1154
889	1153	1152	1155
890	874	1156	1157
891	1156	1151	1158
892	1159	1161	1162
893	1161	1160	1163
894	878	1164	1165
895	1164	1159	1166
896	1167	1169	1170
897	1169	1168	1171
898	882	1172	1173
899	1172	1167	1174
900	1175	1177	1178
901	1177	1176	1179
902	886	1180	1181
903	1180	1175	1182
904	1183	1185	1186
905	1185	1184	1187
906	890	1188	1189
907	1188	1183	1190
908	1191	1193	1194
909	1193	1192	1195
910	894	1196	1197
911	1196	1191	1198
912	1199	1201	1202
913	1201	1200	1203
914	898	1204	1205
915	1204	1199	1206
916	1207	1209	1210
917	1209	1208	1211
918	902	1212	1213
919	1212	1207	1214
920	1215	1217	1218
921	1217	1216	1219
922	906	1220	1221
923	1220	1215	1222
924	1223	1225	1226
925	1225	1224	1227
926	910	1228	1229
927	1228	1223	1230
928	1231	1233	1234
929	1233	1232	1235
930	914	1236	1237
931	1236	1231	1238
932	1239	1241	1242
933	1241	1240	1243
934	918	1244	1245
935	1244	1239	1246
936	1247	1249	1250
937	1249	1248	1251
938	922	1252	1253
939	1252	1247	1254
940	1255	1257	1258
941	1257	1256	1259
942	926	1260	1261
943	1260	1255	1262
944	1263	1265	1266
945	1265	1264	1267
946	930	1268	1269
947	1268	1263	1270
948	1271	1273	1274
949	1273	1272	1275
950	934	1276	1277
951	1276	1271	1278
952	1279	1281	1282
953	1281	1280	1283
954	938	1284	1285
955	1284	1279	1286
956	1287	1289	1290
957	1289	1288	1291
958	838	1292	1293
959	1292	1287	1294
960	1295	1297	1298
961	1297	1296	1299
962	846	1300	1301
963	1300	1295	1302
964	1303	1305	1306
965	1305	1304	1307
966	842	1308	1309
967	1308	1303	1310
968	1311	1313	1314
969	1313	1312	1315
970	850	1316	1317
971	1316	1311	1318
972	1319	1320	1321
973	1322	1323	1324
974	1325	1326	1327
975	1328	1329	1330
976	1331	1332	1333
977	1334	1336	1342
978	1336	1337	1343
979	1337	1338	1344
980	1338	1339	1345

981	1339	1340	1346
982	1340	1341	1347
983	1341	1335	1348
984	1335	1350	1357
985	1350	1351	1358
986	1351	1352	1359
987	1352	1353	1360
988	1353	1354	1361
989	1354	1355	1362
990	1355	1356	1363
991	1356	1349	1364
992	1365	1367	1373
993	1367	1368	1374
994	1368	1369	1375
995	1369	1370	1376
996	1370	1371	1377
997	1371	1372	1378
998	1372	1366	1379
999	1366	1381	1388
1000	1381	1382	1389
1001	1382	1383	1390
1002	1383	1384	1391
1003	1384	1385	1392
1004	1385	1386	1393
1005	1386	1387	1394
1006	1387	1380	1395
1007	1396	1397	1400
1008	1397	1398	1401
1009	1398	1399	1402
1010	1399	1334	1403
1011	1404	1405	1408
1012	1405	1406	1409
1013	1406	1407	1410
1014	1407	1365	1411

TOTAL NUMBER OF ELEMENTS	=	1026
LARGEST ELEMENT NUMBER	=	1026
LARGEST NODE NUMBER	=	1447

DEFAULT SOLVER CHOSEN

NODE COORDINATES

NODE NO.	COORDINATE IN	COORDINATE IN	COORDINATE IN
	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
	M	M	M
1	0.000000E+00	0.000000E+00	0.000000E+00
2	3.87500	0.000000E+00	0.000000E+00
3	0.968750	0.000000E+00	0.000000E+00
4	1.93750	0.000000E+00	0.000000E+00
5	2.90625	0.000000E+00	0.000000E+00
6	4.13700	0.750000	0.000000E+00
7	0.262000	0.750000	0.000000E+00
8	1.23075	0.750000	0.000000E+00
9	2.19950	0.750000	0.000000E+00
10	3.16825	0.750000	0.000000E+00
11	7.25000	0.000000E+00	0.000000E+00
12	5.00000	0.000000E+00	0.000000E+00
13	6.12500	0.000000E+00	0.000000E+00
14	7.51200	0.750000	0.000000E+00
15	5.26200	0.750000	0.000000E+00
16	6.38700	0.750000	0.000000E+00
17	7.75000	0.000000E+00	0.000000E+00
18	8.01200	0.750000	0.000000E+00
19	11.6250	0.000000E+00	0.000000E+00
20	8.71875	0.000000E+00	0.000000E+00
21	9.68750	0.000000E+00	0.000000E+00
22	10.6562	0.000000E+00	0.000000E+00
23	11.8870	0.750000	0.000000E+00
24	8.98075	0.750000	0.000000E+00
25	9.94950	0.750000	0.000000E+00
26	10.9182	0.750000	0.000000E+00
27	15.5000	0.000000E+00	0.000000E+00
28	12.5938	0.000000E+00	0.000000E+00
29	13.5625	0.000000E+00	0.000000E+00
30	14.5313	0.000000E+00	0.000000E+00
31	15.7620	0.750000	0.000000E+00
32	12.8557	0.750000	0.000000E+00
33	13.8245	0.750000	0.000000E+00
34	14.7933	0.750000	0.000000E+00
35	17.2500	0.000000E+00	0.000000E+00
36	16.3750	0.000000E+00	0.000000E+00
37	17.5120	0.750000	0.000000E+00
38	16.6370	0.750000	0.000000E+00
39	19.3750	0.000000E+00	0.000000E+00
40	18.3125	0.000000E+00	0.000000E+00
41	19.6370	0.750000	0.000000E+00
42	18.5745	0.750000	0.000000E+00
43	23.2500	0.000000E+00	0.000000E+00
44	20.3438	0.000000E+00	0.000000E+00
45	21.3125	0.000000E+00	0.000000E+00

46	22.2813	0.000000E+00	0.000000E+00
47	23.5120	0.750000	0.000000E+00
48	20.6058	0.750000	0.000000E+00
49	21.5745	0.750000	0.000000E+00
50	22.5433	0.750000	0.000000E+00
51	27.1250	0.000000E+00	0.000000E+00
52	24.2187	0.000000E+00	0.000000E+00
53	25.1875	0.000000E+00	0.000000E+00
54	26.1563	0.000000E+00	0.000000E+00
55	27.3870	0.750000	0.000000E+00
56	24.4807	0.750000	0.000000E+00
57	25.4495	0.750000	0.000000E+00
58	26.4183	0.750000	0.000000E+00
59	29.2500	0.000000E+00	0.000000E+00
60	28.1875	0.000000E+00	0.000000E+00
61	29.5120	0.750000	0.000000E+00
62	28.4495	0.750000	0.000000E+00
63	31.0000	0.000000E+00	0.000000E+00
64	30.1250	0.000000E+00	0.000000E+00
65	31.2620	0.750000	0.000000E+00
66	30.3870	0.750000	0.000000E+00
67	34.8750	0.000000E+00	0.000000E+00
68	31.9687	0.000000E+00	0.000000E+00
69	32.9375	0.000000E+00	0.000000E+00
70	33.9062	0.000000E+00	0.000000E+00
71	35.1370	0.750000	0.000000E+00
72	32.2308	0.750000	0.000000E+00
73	33.1995	0.750000	0.000000E+00
74	34.1682	0.750000	0.000000E+00
75	38.7500	0.000000E+00	0.000000E+00
76	35.8438	0.000000E+00	0.000000E+00
77	36.8125	0.000000E+00	0.000000E+00
78	37.7813	0.000000E+00	0.000000E+00
79	39.0120	0.750000	0.000000E+00
80	36.1058	0.750000	0.000000E+00
81	37.0745	0.750000	0.000000E+00
82	38.0433	0.750000	0.000000E+00
83	39.2500	0.000000E+00	0.000000E+00
84	39.5120	0.750000	0.000000E+00
85	42.6250	0.000000E+00	0.000000E+00
86	40.3750	0.000000E+00	0.000000E+00
87	41.5000	0.000000E+00	0.000000E+00
88	42.8870	0.750000	0.000000E+00
89	40.6370	0.750000	0.000000E+00
90	41.7620	0.750000	0.000000E+00
91	46.5000	0.000000E+00	0.000000E+00
92	43.5938	0.000000E+00	0.000000E+00
93	44.5625	0.000000E+00	0.000000E+00
94	45.5312	0.000000E+00	0.000000E+00
95	46.7620	0.750000	0.000000E+00
96	43.8557	0.750000	0.000000E+00
97	44.8245	0.750000	0.000000E+00
98	45.7933	0.750000	0.000000E+00
99	4.76600	2.55000	0.000000E+00
100	4.45150	1.65000	0.000000E+00
101	0.891000	2.55000	0.000000E+00
102	1.85975	2.55000	0.000000E+00
103	2.82850	2.55000	0.000000E+00
104	3.79725	2.55000	0.000000E+00
105	0.891000	3.55000	0.000000E+00
106	1.85975	3.55000	0.000000E+00
107	2.82850	3.55000	0.000000E+00
108	3.79725	3.55000	0.000000E+00
109	0.576500	1.65000	0.000000E+00
110	1.54525	1.65000	0.000000E+00
111	2.51400	1.65000	0.000000E+00
112	3.48275	1.65000	0.000000E+00
113	8.14100	2.55000	0.000000E+00
114	7.82650	1.65000	0.000000E+00
115	5.89100	2.55000	0.000000E+00
116	7.01600	2.55000	0.000000E+00
117	4.76600	3.55000	0.000000E+00
118	5.89100	3.55000	0.000000E+00
119	7.01600	3.55000	0.000000E+00
120	5.57650	1.65000	0.000000E+00
121	6.70150	1.65000	0.000000E+00
122	8.64100	2.55000	0.000000E+00
123	8.32650	1.65000	0.000000E+00
124	8.14100	3.55000	0.000000E+00
125	12.5160	2.55000	0.000000E+00
126	12.2015	1.65000	0.000000E+00
127	9.60975	2.55000	0.000000E+00
128	10.5785	2.55000	0.000000E+00
129	11.5473	2.55000	0.000000E+00
130	8.64100	3.55000	0.000000E+00
131	9.60975	3.55000	0.000000E+00
132	10.5785	3.55000	0.000000E+00
133	11.5473	3.55000	0.000000E+00
134	9.29525	1.65000	0.000000E+00
135	10.2640	1.65000	0.000000E+00
136	11.2327	1.65000	0.000000E+00
137	16.3910	2.55000	0.000000E+00
138	16.0765	1.65000	0.000000E+00
139	13.4848	2.55000	0.000000E+00
140	14.4535	2.55000	0.000000E+00
141	15.4223	2.55000	0.000000E+00
142	12.5160	3.55000	0.000000E+00
143	13.4848	3.55000	0.000000E+00

144	14.4535	3.55000	0.000000E+00
145	15.4223	3.55000	0.000000E+00
146	13.1702	1.65000	0.000000E+00
147	14.1390	1.65000	0.000000E+00
148	15.1078	1.65000	0.000000E+00
149	18.1410	2.55000	0.000000E+00
150	17.8265	1.65000	0.000000E+00
151	17.2660	2.55000	0.000000E+00
152	16.3910	3.55000	0.000000E+00
153	17.2660	3.55000	0.000000E+00
154	16.9515	1.65000	0.000000E+00
155	20.2660	2.55000	0.000000E+00
156	19.9515	1.65000	0.000000E+00
157	19.2035	2.55000	0.000000E+00
158	18.1410	3.55000	0.000000E+00
159	19.2035	3.55000	0.000000E+00
160	18.8890	1.65000	0.000000E+00
161	24.1410	2.55000	0.000000E+00
162	23.8265	1.65000	0.000000E+00
163	21.2347	2.55000	0.000000E+00
164	22.2035	2.55000	0.000000E+00
165	23.1722	2.55000	0.000000E+00
166	20.2660	3.55000	0.000000E+00
167	21.2347	3.55000	0.000000E+00
168	22.2035	3.55000	0.000000E+00
169	23.1722	3.55000	0.000000E+00
170	20.9202	1.65000	0.000000E+00
171	21.8890	1.65000	0.000000E+00
172	22.8578	1.65000	0.000000E+00
173	28.0160	2.55000	0.000000E+00
174	27.7015	1.65000	0.000000E+00
175	25.1097	2.55000	0.000000E+00
176	26.0785	2.55000	0.000000E+00
177	27.0473	2.55000	0.000000E+00
178	24.1410	3.55000	0.000000E+00
179	25.1097	3.55000	0.000000E+00
180	26.0785	3.55000	0.000000E+00
181	27.0473	3.55000	0.000000E+00
182	24.7952	1.65000	0.000000E+00
183	25.7640	1.65000	0.000000E+00
184	26.7328	1.65000	0.000000E+00
185	30.1410	2.55000	0.000000E+00
186	29.8265	1.65000	0.000000E+00
187	29.0785	2.55000	0.000000E+00
188	28.0160	3.55000	0.000000E+00
189	29.0785	3.55000	0.000000E+00
190	28.7640	1.65000	0.000000E+00
191	31.8910	2.55000	0.000000E+00
192	31.5765	1.65000	0.000000E+00
193	31.0160	2.55000	0.000000E+00
194	30.1410	3.55000	0.000000E+00
195	31.0160	3.55000	0.000000E+00
196	30.7015	1.65000	0.000000E+00
197	35.7660	2.55000	0.000000E+00
198	35.4515	1.65000	0.000000E+00
199	32.8597	2.55000	0.000000E+00
200	33.8285	2.55000	0.000000E+00
201	34.7972	2.55000	0.000000E+00
202	31.8910	3.55000	0.000000E+00
203	32.8597	3.55000	0.000000E+00
204	33.8285	3.55000	0.000000E+00
205	34.7972	3.55000	0.000000E+00
206	32.5453	1.65000	0.000000E+00
207	33.5140	1.65000	0.000000E+00
208	34.4827	1.65000	0.000000E+00
209	39.6410	2.55000	0.000000E+00
210	39.3265	1.65000	0.000000E+00
211	36.7347	2.55000	0.000000E+00
212	37.7035	2.55000	0.000000E+00
213	38.6723	2.55000	0.000000E+00
214	35.7660	3.55000	0.000000E+00
215	36.7347	3.55000	0.000000E+00
216	37.7035	3.55000	0.000000E+00
217	38.6723	3.55000	0.000000E+00
218	36.4202	1.65000	0.000000E+00
219	37.3890	1.65000	0.000000E+00
220	38.3578	1.65000	0.000000E+00
221	40.1410	2.55000	0.000000E+00
222	39.8265	1.65000	0.000000E+00
223	39.6410	3.55000	0.000000E+00
224	43.5160	2.55000	0.000000E+00
225	43.2015	1.65000	0.000000E+00
226	41.2660	2.55000	0.000000E+00
227	42.3910	2.55000	0.000000E+00
228	40.1410	3.55000	0.000000E+00
229	41.2660	3.55000	0.000000E+00
230	42.3910	3.55000	0.000000E+00
231	40.9515	1.65000	0.000000E+00
232	42.0765	1.65000	0.000000E+00
233	47.3910	2.55000	0.000000E+00
234	47.0765	1.65000	0.000000E+00
235	44.4848	2.55000	0.000000E+00
236	45.4535	2.55000	0.000000E+00
237	46.4222	2.55000	0.000000E+00
238	43.5160	3.55000	0.000000E+00
239	44.4848	3.55000	0.000000E+00
240	45.4535	3.55000	0.000000E+00
241	46.4222	3.55000	0.000000E+00

242	44.1702	1.65000	0.000000E+00
243	45.1390	1.65000	0.000000E+00
244	46.1077	1.65000	0.000000E+00
245	3.18000	9.10000	0.000000E+00
246	7.05500	9.10000	0.000000E+00
247	4.14875	9.10000	0.000000E+00
248	5.11750	9.10000	0.000000E+00
249	6.08625	9.10000	0.000000E+00
250	3.18000	10.1000	0.000000E+00
251	4.14875	10.1000	0.000000E+00
252	5.11750	10.1000	0.000000E+00
253	6.08625	10.1000	0.000000E+00
254	7.61400	10.7000	0.000000E+00
255	7.33450	9.90000	0.000000E+00
256	3.73900	10.7000	0.000000E+00
257	4.70775	10.7000	0.000000E+00
258	5.67650	10.7000	0.000000E+00
259	6.64525	10.7000	0.000000E+00
260	3.45950	9.90000	0.000000E+00
261	4.42825	9.90000	0.000000E+00
262	5.39700	9.90000	0.000000E+00
263	6.36575	9.90000	0.000000E+00
264	10.4300	9.10000	0.000000E+00
265	8.18000	9.10000	0.000000E+00
266	9.30500	9.10000	0.000000E+00
267	7.05500	10.1000	0.000000E+00
268	8.18000	10.1000	0.000000E+00
269	9.30500	10.1000	0.000000E+00
270	10.9890	10.7000	0.000000E+00
271	10.7095	9.90000	0.000000E+00
272	8.73900	10.7000	0.000000E+00
273	9.86400	10.7000	0.000000E+00
274	8.45950	9.90000	0.000000E+00
275	9.58450	9.90000	0.000000E+00
276	10.9300	9.10000	0.000000E+00
277	10.4300	10.1000	0.000000E+00
278	11.4890	10.7000	0.000000E+00
279	11.2095	9.90000	0.000000E+00
280	14.8050	9.10000	0.000000E+00
281	11.8987	9.10000	0.000000E+00
282	12.8675	9.10000	0.000000E+00
283	13.8362	9.10000	0.000000E+00
284	10.9300	10.1000	0.000000E+00
285	11.8987	10.1000	0.000000E+00
286	12.8675	10.1000	0.000000E+00
287	13.8362	10.1000	0.000000E+00
288	15.3640	10.7000	0.000000E+00
289	15.0845	9.90000	0.000000E+00
290	12.4577	10.7000	0.000000E+00
291	13.4265	10.7000	0.000000E+00
292	14.3952	10.7000	0.000000E+00
293	12.1782	9.90000	0.000000E+00
294	13.1470	9.90000	0.000000E+00
295	14.1157	9.90000	0.000000E+00
296	18.6800	9.10000	0.000000E+00
297	15.7737	9.10000	0.000000E+00
298	16.7425	9.10000	0.000000E+00
299	17.7113	9.10000	0.000000E+00
300	14.8050	10.1000	0.000000E+00
301	15.7737	10.1000	0.000000E+00
302	16.7425	10.1000	0.000000E+00
303	17.7113	10.1000	0.000000E+00
304	19.2390	10.7000	0.000000E+00
305	18.9595	9.90000	0.000000E+00
306	16.3328	10.7000	0.000000E+00
307	17.3015	10.7000	0.000000E+00
308	18.2703	10.7000	0.000000E+00
309	16.0532	9.90000	0.000000E+00
310	17.0220	9.90000	0.000000E+00
311	17.9908	9.90000	0.000000E+00
312	20.4300	9.10000	0.000000E+00
313	19.5550	9.10000	0.000000E+00
314	18.6800	10.1000	0.000000E+00
315	19.5550	10.1000	0.000000E+00
316	20.9890	10.7000	0.000000E+00
317	20.7095	9.90000	0.000000E+00
318	20.1140	10.7000	0.000000E+00
319	19.8345	9.90000	0.000000E+00
320	22.5550	9.10000	0.000000E+00
321	21.4925	9.10000	0.000000E+00
322	20.4300	10.1000	0.000000E+00
323	21.4925	10.1000	0.000000E+00
324	23.1140	10.7000	0.000000E+00
325	22.8345	9.90000	0.000000E+00
326	22.0515	10.7000	0.000000E+00
327	21.7720	9.90000	0.000000E+00
328	26.4300	9.10000	0.000000E+00
329	23.5237	9.10000	0.000000E+00
330	24.4925	9.10000	0.000000E+00
331	25.4612	9.10000	0.000000E+00
332	22.5550	10.1000	0.000000E+00
333	23.5237	10.1000	0.000000E+00
334	24.4925	10.1000	0.000000E+00
335	25.4612	10.1000	0.000000E+00
336	26.9890	10.7000	0.000000E+00
337	26.7095	9.90000	0.000000E+00
338	24.0827	10.7000	0.000000E+00
339	25.0515	10.7000	0.000000E+00



340	26.0202	10.7000	0.000000E+00
341	23.8032	9.90000	0.000000E+00
342	24.7720	9.90000	0.000000E+00
343	25.7407	9.90000	0.000000E+00
344	30.3050	9.10000	0.000000E+00
345	27.3987	9.10000	0.000000E+00
346	28.3675	9.10000	0.000000E+00
347	29.3363	9.10000	0.000000E+00
348	26.4300	10.1000	0.000000E+00
349	27.3987	10.1000	0.000000E+00
350	28.3675	10.1000	0.000000E+00
351	29.3363	10.1000	0.000000E+00
352	30.8640	10.7000	0.000000E+00
353	30.5845	9.90000	0.000000E+00
354	27.9577	10.7000	0.000000E+00
355	28.9265	10.7000	0.000000E+00
356	29.8953	10.7000	0.000000E+00
357	27.6783	9.90000	0.000000E+00
358	28.6470	9.90000	0.000000E+00
359	29.6158	9.90000	0.000000E+00
360	32.4300	9.10000	0.000000E+00
361	31.3675	9.10000	0.000000E+00
362	30.3050	10.1000	0.000000E+00
363	31.3675	10.1000	0.000000E+00
364	32.9890	10.7000	0.000000E+00
365	32.7095	9.90000	0.000000E+00
366	31.9265	10.7000	0.000000E+00
367	31.6470	9.90000	0.000000E+00
368	34.1800	9.10000	0.000000E+00
369	33.3050	9.10000	0.000000E+00
370	32.4300	10.1000	0.000000E+00
371	33.3050	10.1000	0.000000E+00
372	34.7390	10.7000	0.000000E+00
373	34.4595	9.90000	0.000000E+00
374	33.8640	10.7000	0.000000E+00
375	33.5845	9.90000	0.000000E+00
376	38.0550	9.10000	0.000000E+00
377	35.1487	9.10000	0.000000E+00
378	36.1175	9.10000	0.000000E+00
379	37.0862	9.10000	0.000000E+00
380	34.1800	10.1000	0.000000E+00
381	35.1487	10.1000	0.000000E+00
382	36.1175	10.1000	0.000000E+00
383	37.0862	10.1000	0.000000E+00
384	38.6140	10.7000	0.000000E+00
385	38.3345	9.90000	0.000000E+00
386	35.7077	10.7000	0.000000E+00
387	36.6765	10.7000	0.000000E+00
388	37.6453	10.7000	0.000000E+00
389	35.4282	9.90000	0.000000E+00
390	36.3970	9.90000	0.000000E+00
391	37.3657	9.90000	0.000000E+00
392	41.9300	9.10000	0.000000E+00
393	39.0237	9.10000	0.000000E+00
394	39.9925	9.10000	0.000000E+00
395	40.9613	9.10000	0.000000E+00
396	38.0550	10.1000	0.000000E+00
397	39.0237	10.1000	0.000000E+00
398	39.9925	10.1000	0.000000E+00
399	40.9613	10.1000	0.000000E+00
400	42.4890	10.7000	0.000000E+00
401	42.2095	9.90000	0.000000E+00
402	39.5827	10.7000	0.000000E+00
403	40.5515	10.7000	0.000000E+00
404	41.5203	10.7000	0.000000E+00
405	39.3032	9.90000	0.000000E+00
406	40.2720	9.90000	0.000000E+00
407	41.2408	9.90000	0.000000E+00
408	42.4300	9.10000	0.000000E+00
409	41.9300	10.1000	0.000000E+00
410	42.9890	10.7000	0.000000E+00
411	42.7095	9.90000	0.000000E+00
412	45.8050	9.10000	0.000000E+00
413	43.5550	9.10000	0.000000E+00
414	44.6800	9.10000	0.000000E+00
415	42.4300	10.1000	0.000000E+00
416	43.5550	10.1000	0.000000E+00
417	44.6800	10.1000	0.000000E+00
418	46.3640	10.7000	0.000000E+00
419	46.0845	9.90000	0.000000E+00
420	44.1140	10.7000	0.000000E+00
421	45.2390	10.7000	0.000000E+00
422	43.8345	9.90000	0.000000E+00
423	44.9595	9.90000	0.000000E+00
424	49.6800	9.10000	0.000000E+00
425	46.7737	9.10000	0.000000E+00
426	47.7425	9.10000	0.000000E+00
427	48.7112	9.10000	0.000000E+00
428	45.8050	10.1000	0.000000E+00
429	46.7737	10.1000	0.000000E+00
430	47.7425	10.1000	0.000000E+00
431	48.7112	10.1000	0.000000E+00
432	50.2390	10.7000	0.000000E+00
433	49.9595	9.90000	0.000000E+00
434	47.3328	10.7000	0.000000E+00
435	48.3015	10.7000	0.000000E+00
436	49.2702	10.7000	0.000000E+00
437	47.0533	9.90000	0.000000E+00

438	48.0220	9.90000	0.000000E+00
439	48.9907	9.90000	0.000000E+00
440	7.87600	11.4500	0.000000E+00
441	4.00100	11.4500	0.000000E+00
442	4.96975	11.4500	0.000000E+00
443	5.93850	11.4500	0.000000E+00
444	6.90725	11.4500	0.000000E+00
445	11.2510	11.4500	0.000000E+00
446	9.00100	11.4500	0.000000E+00
447	10.1260	11.4500	0.000000E+00
448	11.7510	11.4500	0.000000E+00
449	15.6260	11.4500	0.000000E+00
450	12.7197	11.4500	0.000000E+00
451	13.6885	11.4500	0.000000E+00
452	14.6572	11.4500	0.000000E+00
453	19.5010	11.4500	0.000000E+00
454	16.5948	11.4500	0.000000E+00
455	17.5635	11.4500	0.000000E+00
456	18.5323	11.4500	0.000000E+00
457	21.2510	11.4500	0.000000E+00
458	20.3760	11.4500	0.000000E+00
459	23.3760	11.4500	0.000000E+00
460	22.3135	11.4500	0.000000E+00
461	27.2510	11.4500	0.000000E+00
462	24.3447	11.4500	0.000000E+00
463	25.3135	11.4500	0.000000E+00
464	26.2823	11.4500	0.000000E+00
465	31.1260	11.4500	0.000000E+00
466	28.2197	11.4500	0.000000E+00
467	29.1885	11.4500	0.000000E+00
468	30.1573	11.4500	0.000000E+00
469	33.2510	11.4500	0.000000E+00
470	32.1885	11.4500	0.000000E+00
471	35.0010	11.4500	0.000000E+00
472	34.1260	11.4500	0.000000E+00
473	38.8760	11.4500	0.000000E+00
474	35.9697	11.4500	0.000000E+00
475	36.9385	11.4500	0.000000E+00
476	37.9073	11.4500	0.000000E+00
477	42.7510	11.4500	0.000000E+00
478	39.8447	11.4500	0.000000E+00
479	40.8135	11.4500	0.000000E+00
480	41.7823	11.4500	0.000000E+00
481	43.2510	11.4500	0.000000E+00
482	46.6260	11.4500	0.000000E+00
483	44.3760	11.4500	0.000000E+00
484	45.5010	11.4500	0.000000E+00
485	50.5010	11.4500	0.000000E+00
486	47.5948	11.4500	0.000000E+00
487	48.5635	11.4500	0.000000E+00
488	49.5323	11.4500	0.000000E+00
489	5.91050	5.82500	0.000000E+00
490	5.14750	3.64167	0.000000E+00
491	5.52900	4.73333	0.000000E+00
492	2.03550	5.82500	0.000000E+00
493	4.94175	5.82500	0.000000E+00
494	3.97300	5.82500	0.000000E+00
495	3.00425	5.82500	0.000000E+00
496	1.27250	3.64167	0.000000E+00
497	1.65400	4.73333	0.000000E+00
498	2.24125	3.64167	0.000000E+00
499	3.21000	3.64167	0.000000E+00
500	4.17875	3.64167	0.000000E+00
501	2.62275	4.73333	0.000000E+00
502	3.59150	4.73333	0.000000E+00
503	4.56025	4.73333	0.000000E+00
504	6.29200	6.91667	0.000000E+00
505	6.67350	8.00833	0.000000E+00
506	2.41700	6.91667	0.000000E+00
507	2.79850	8.00833	0.000000E+00
508	3.38575	6.91667	0.000000E+00
509	4.35450	6.91667	0.000000E+00
510	5.32325	6.91667	0.000000E+00
511	3.76725	8.00833	0.000000E+00
512	4.73600	8.00833	0.000000E+00
513	5.70475	8.00833	0.000000E+00
514	9.28550	5.82500	0.000000E+00
515	8.52250	3.64167	0.000000E+00
516	8.90400	4.73333	0.000000E+00
517	8.16050	5.82500	0.000000E+00
518	7.03550	5.82500	0.000000E+00
519	6.27250	3.64167	0.000000E+00
520	7.39750	3.64167	0.000000E+00
521	6.65400	4.73333	0.000000E+00
522	7.77900	4.73333	0.000000E+00
523	9.66700	6.91667	0.000000E+00
524	10.0485	8.00833	0.000000E+00
525	7.41700	6.91667	0.000000E+00
526	8.54200	6.91667	0.000000E+00
527	7.79850	8.00833	0.000000E+00
528	8.92350	8.00833	0.000000E+00
529	9.78550	5.82500	0.000000E+00
530	9.02250	3.64167	0.000000E+00
531	9.40400	4.73333	0.000000E+00
532	10.1670	6.91667	0.000000E+00
533	10.5485	8.00833	0.000000E+00
534	13.6605	5.82500	0.000000E+00
535	12.8975	3.64167	0.000000E+00

536	13.2790	4.73333	0.00000E+00
537	12.6917	5.82500	0.00000E+00
538	11.7230	5.82500	0.00000E+00
539	10.7542	5.82500	0.00000E+00
540	9.99125	3.64167	0.00000E+00
541	10.9600	3.64167	0.00000E+00
542	11.9288	3.64167	0.00000E+00
543	10.3727	4.73333	0.00000E+00
544	11.3415	4.73333	0.00000E+00
545	12.3102	4.73333	0.00000E+00
546	14.0420	6.91667	0.00000E+00
547	14.4235	8.00833	0.00000E+00
548	11.1357	6.91667	0.00000E+00
549	12.1045	6.91667	0.00000E+00
550	13.0732	6.91667	0.00000E+00
551	11.5172	8.00833	0.00000E+00
552	12.4860	8.00833	0.00000E+00
553	13.4548	8.00833	0.00000E+00
554	17.5355	5.82500	0.00000E+00
555	16.7725	3.64167	0.00000E+00
556	17.1540	4.73333	0.00000E+00
557	16.5668	5.82500	0.277556E-16
558	15.5980	5.82500	0.277556E-16
559	14.6292	5.82500	0.277556E-16
560	13.8663	3.64167	0.00000E+00
561	14.8350	3.64167	0.00000E+00
562	15.8038	3.64167	0.00000E+00
563	14.2477	4.73333	0.00000E+00
564	15.2165	4.73333	0.00000E+00
565	16.1853	4.73333	0.00000E+00
566	17.9170	6.91667	0.00000E+00
567	18.2985	8.00833	0.00000E+00
568	15.0107	6.91667	0.00000E+00
569	15.9795	6.91667	0.00000E+00
570	16.9483	6.91667	0.00000E+00
571	15.3922	8.00833	0.00000E+00
572	16.3610	8.00833	0.00000E+00
573	17.3298	8.00833	0.00000E+00
574	19.2855	5.82500	0.00000E+00
575	18.5225	3.64167	0.00000E+00
576	18.9040	4.73333	0.00000E+00
577	18.4105	5.82500	0.00000E+00
578	17.6475	3.64167	0.00000E+00
579	18.0290	4.73333	0.00000E+00
580	19.6670	6.91667	0.00000E+00
581	20.0485	8.00833	0.00000E+00
582	18.7920	6.91667	0.00000E+00
583	19.1735	8.00833	0.00000E+00
584	21.4105	5.82500	0.00000E+00
585	20.6475	3.64167	0.00000E+00
586	21.0290	4.73333	0.00000E+00
587	20.3480	5.82500	0.00000E+00
588	19.5850	3.64167	0.00000E+00
589	19.9665	4.73333	0.00000E+00
590	21.7920	6.91667	0.00000E+00
591	22.1735	8.00833	0.00000E+00
592	20.7295	6.91667	0.00000E+00
593	21.1110	8.00833	0.00000E+00
594	25.2855	5.82500	0.00000E+00
595	24.5225	3.64167	0.00000E+00
596	24.9040	4.73333	0.00000E+00
597	24.3167	5.82500	0.00000E+00
598	23.3480	5.82500	0.00000E+00
599	22.3793	5.82500	0.00000E+00
600	21.6163	3.64167	0.00000E+00
601	22.5850	3.64167	0.00000E+00
602	23.5537	3.64167	0.00000E+00
603	21.9977	4.73333	0.00000E+00
604	22.9665	4.73333	0.00000E+00
605	23.9352	4.73333	0.00000E+00
606	25.6670	6.91667	0.00000E+00
607	26.0485	8.00833	0.00000E+00
608	22.7607	6.91667	0.00000E+00
609	23.7295	6.91667	0.00000E+00
610	24.6982	6.91667	0.00000E+00
611	23.1422	8.00833	0.00000E+00
612	24.1110	8.00833	0.00000E+00
613	25.0798	8.00833	0.00000E+00
614	29.1605	5.82500	0.00000E+00
615	28.3975	3.64167	0.00000E+00
616	28.7790	4.73333	0.00000E+00
617	28.1918	5.82500	0.00000E+00
618	27.2230	5.82500	0.00000E+00
619	26.2542	5.82500	0.00000E+00
620	25.4913	3.64167	0.00000E+00
621	26.4600	3.64167	0.00000E+00
622	27.4288	3.64167	0.00000E+00
623	25.8727	4.73333	0.00000E+00
624	26.8415	4.73333	0.00000E+00
625	27.8103	4.73333	0.00000E+00
626	29.5420	6.91667	0.00000E+00
627	29.9235	8.00833	0.00000E+00
628	26.6358	6.91667	0.00000E+00
629	27.6045	6.91667	0.00000E+00
630	28.5733	6.91667	0.00000E+00
631	27.0173	8.00833	0.00000E+00
632	27.9860	8.00833	0.00000E+00
633	28.9548	8.00833	0.00000E+00

634	31.2855	5.82500	0.000000E+00
635	30.5225	3.64167	0.000000E+00
636	30.9040	4.73333	0.000000E+00
637	30.2230	5.82500	0.000000E+00
638	29.4600	3.64167	0.000000E+00
639	29.8415	4.73333	0.000000E+00
640	31.6670	6.91667	0.000000E+00
641	32.0485	8.00833	0.000000E+00
642	30.6045	6.91667	0.000000E+00
643	30.9860	8.00833	0.000000E+00
644	33.0355	5.82500	0.000000E+00
645	32.2725	3.64167	0.000000E+00
646	32.6540	4.73333	0.000000E+00
647	32.1605	5.82500	0.000000E+00
648	31.3975	3.64167	0.000000E+00
649	31.7790	4.73333	0.000000E+00
650	33.4170	6.91667	0.000000E+00
651	33.7985	8.00833	0.000000E+00
652	32.5420	6.91667	0.000000E+00
653	32.9235	8.00833	0.000000E+00
654	36.9105	5.82500	0.000000E+00
655	36.1475	3.64167	0.000000E+00
656	36.5290	4.73333	0.000000E+00
657	35.9417	5.82500	0.124900E-15
658	34.9730	5.82500	0.971445E-16
659	34.0042	5.82500	0.971445E-16
660	33.2413	3.64167	0.000000E+00
661	34.2100	3.64167	0.000000E+00
662	35.1787	3.64167	0.000000E+00
663	33.6227	4.73333	0.000000E+00
664	34.5915	4.73333	0.000000E+00
665	35.5602	4.73333	0.000000E+00
666	37.2920	6.91667	0.000000E+00
667	37.6735	8.00833	0.000000E+00
668	34.3857	6.91667	0.000000E+00
669	35.3545	6.91667	0.000000E+00
670	36.3233	6.91667	0.000000E+00
671	34.7672	8.00833	0.000000E+00
672	35.7360	8.00833	0.000000E+00
673	36.7047	8.00833	0.000000E+00
674	40.7855	5.82500	0.000000E+00
675	40.0225	3.64167	0.000000E+00
676	40.4040	4.73333	0.000000E+00
677	39.8168	5.82500	-0.832667E-16
678	38.8480	5.82500	-0.832667E-16
679	37.8793	5.82500	-0.832667E-16
680	37.1162	3.64167	0.000000E+00
681	38.0850	3.64167	0.000000E+00
682	39.0538	3.64167	0.000000E+00
683	37.4978	4.73333	0.000000E+00
684	38.4665	4.73333	0.000000E+00
685	39.4353	4.73333	0.000000E+00
686	41.1670	6.91667	0.000000E+00
687	41.5485	8.00833	0.000000E+00
688	38.2607	6.91667	0.000000E+00
689	39.2295	6.91667	0.000000E+00
690	40.1983	6.91667	0.000000E+00
691	38.6422	8.00833	0.000000E+00
692	39.6110	8.00833	0.000000E+00
693	40.5798	8.00833	0.000000E+00
694	41.2855	5.82500	0.000000E+00
695	40.5225	3.64167	0.000000E+00
696	40.9040	4.73333	0.000000E+00
697	41.6670	6.91667	0.000000E+00
698	42.0485	8.00833	0.000000E+00
699	44.6605	5.82500	0.000000E+00
700	43.8975	3.64167	0.000000E+00
701	44.2790	4.73333	0.000000E+00
702	43.5355	5.82500	0.000000E+00
703	42.4105	5.82500	0.000000E+00
704	41.6475	3.64167	0.000000E+00
705	42.7725	3.64167	0.000000E+00
706	42.0290	4.73333	0.000000E+00
707	43.1540	4.73333	0.000000E+00
708	45.0420	6.91667	0.000000E+00
709	45.4235	8.00833	0.000000E+00
710	42.7920	6.91667	0.000000E+00
711	43.9170	6.91667	0.000000E+00
712	43.1735	8.00833	0.000000E+00
713	44.2985	8.00833	0.000000E+00
714	48.5355	5.82500	0.000000E+00
715	47.7725	3.64167	0.000000E+00
716	48.1540	4.73333	0.000000E+00
717	47.5668	5.82500	0.000000E+00
718	46.5980	5.82500	0.000000E+00
719	45.6292	5.82500	0.000000E+00
720	44.8663	3.64167	0.000000E+00
721	45.8350	3.64167	0.000000E+00
722	46.8037	3.64167	0.000000E+00
723	45.2477	4.73333	0.000000E+00
724	46.2165	4.73333	0.000000E+00
725	47.1852	4.73333	0.000000E+00
726	48.9170	6.91667	0.000000E+00
727	49.2985	8.00833	0.000000E+00
728	46.0108	6.91667	0.000000E+00
729	46.9795	6.91667	0.000000E+00
730	47.9482	6.91667	0.000000E+00
731	46.3923	8.00833	0.000000E+00

732	47.3610	8.00833	0.00000E+00
733	48.3297	8.00833	0.00000E+00
734	0.891000	2.55000	-0.550000
735	0.891000	2.55000	-0.275000
736	-0.109000	2.55000	0.00000E+00
737	-0.109000	2.55000	-0.275000
738	4.76600	2.55000	-0.605000
739	4.76600	2.55000	-0.302500
740	3.76600	2.55000	0.00000E+00
741	3.76600	2.55000	-0.302500
742	8.64100	2.55000	-0.605000
743	8.64100	2.55000	-0.302500
744	7.64100	2.55000	0.00000E+00
745	7.64100	2.55000	-0.302500
746	12.5160	2.55000	-0.605000
747	12.5160	2.55000	-0.302500
748	11.5160	2.55000	0.00000E+00
749	11.5160	2.55000	-0.302500
750	16.3910	2.55000	-0.605000
751	16.3910	2.55000	-0.302500
752	15.3910	2.55000	0.00000E+00
753	15.3910	2.55000	-0.302500
754	20.2660	2.55000	-0.605000
755	20.2660	2.55000	-0.302500
756	19.2660	2.55000	0.00000E+00
757	19.2660	2.55000	-0.302500
758	24.1410	2.55000	-0.605000
759	24.1410	2.55000	-0.302500
760	23.1410	2.55000	0.00000E+00
761	23.1410	2.55000	-0.302500
762	28.0160	2.55000	-0.605000
763	28.0160	2.55000	-0.302500
764	27.0160	2.55000	0.00000E+00
765	27.0160	2.55000	-0.302500
766	31.8910	2.55000	-0.605000
767	31.8910	2.55000	-0.302500
768	30.8910	2.55000	0.00000E+00
769	30.8910	2.55000	-0.302500
770	35.7660	2.55000	-0.605000
771	35.7660	2.55000	-0.302500
772	34.7660	2.55000	0.00000E+00
773	34.7660	2.55000	-0.302500
774	39.6410	2.55000	-0.605000
775	39.6410	2.55000	-0.302500
776	38.6410	2.55000	0.00000E+00
777	38.6410	2.55000	-0.302500
778	43.5160	2.55000	-0.605000
779	43.5160	2.55000	-0.302500
780	42.5160	2.55000	0.00000E+00
781	42.5160	2.55000	-0.302500
782	47.3910	2.55000	-0.550000
783	47.3910	2.55000	-0.275000
784	46.3910	2.55000	0.00000E+00
785	46.3910	2.55000	-0.275000
786	3.18000	9.10000	-0.550000
787	3.18000	9.10000	-0.275000
788	4.18000	9.10000	0.00000E+00
789	4.18000	9.10000	-0.275000
790	7.05500	9.10000	-0.605000
791	7.05500	9.10000	-0.302500
792	8.05500	9.10000	0.00000E+00
793	8.05500	9.10000	-0.302500
794	10.9300	9.10000	-0.605000
795	10.9300	9.10000	-0.302500
796	11.9300	9.10000	0.00000E+00
797	11.9300	9.10000	-0.302500
798	14.8050	9.10000	-0.605000
799	14.8050	9.10000	-0.302500
800	15.8050	9.10000	0.00000E+00
801	15.8050	9.10000	-0.302500
802	18.6800	9.10000	-0.605000
803	18.6800	9.10000	-0.302500
804	19.6800	9.10000	0.00000E+00
805	19.6800	9.10000	-0.302500
806	22.5550	9.10000	-0.605000
807	22.5550	9.10000	-0.302500
808	23.5550	9.10000	0.00000E+00
809	23.5550	9.10000	-0.302500
810	26.4300	9.10000	-0.605000
811	26.4300	9.10000	-0.302500
812	27.4300	9.10000	0.00000E+00
813	27.4300	9.10000	-0.302500
814	30.3050	9.10000	-0.605000
815	30.3050	9.10000	-0.302500
816	31.3050	9.10000	0.00000E+00
817	31.3050	9.10000	-0.302500
818	34.1800	9.10000	-0.605000
819	34.1800	9.10000	-0.302500
820	35.1800	9.10000	0.00000E+00
821	35.1800	9.10000	-0.302500
822	38.0550	9.10000	-0.605000
823	38.0550	9.10000	-0.302500
824	39.0550	9.10000	0.00000E+00
825	39.0550	9.10000	-0.302500
826	41.9300	9.10000	-0.605000
827	41.9300	9.10000	-0.302500
828	42.9300	9.10000	0.00000E+00
829	42.9300	9.10000	-0.302500

830	45.8050	9.10000	-0.605000
831	45.8050	9.10000	-0.302500
832	46.8050	9.10000	0.000000E+00
833	46.8050	9.10000	-0.302500
834	49.6800	9.10000	-0.550000
835	49.6800	9.10000	-0.275000
836	50.6800	9.10000	0.000000E+00
837	50.6800	9.10000	-0.275000
838	0.891000	2.55000	-1.00000
839	0.891000	2.55000	-0.775000
840	-0.109000	2.55000	-0.550000
841	-0.109000	2.55000	-0.775000
842	47.3910	2.55000	-1.00000
843	47.3910	2.55000	-0.775000
844	46.3910	2.55000	-0.550000
845	46.3910	2.55000	-0.775000
846	3.18000	9.10000	-1.00000
847	3.18000	9.10000	-0.775000
848	4.18000	9.10000	-0.550000
849	4.18000	9.10000	-0.775000
850	49.6800	9.10000	-1.00000
851	49.6800	9.10000	-0.775000
852	50.6800	9.10000	-0.550000
853	50.6800	9.10000	-0.775000
854	4.76600	2.55000	-1.00500
855	4.76600	2.55000	-0.805000
856	3.76600	2.55000	-0.605000
857	3.76600	2.55000	-0.805000
858	8.64100	2.55000	-1.00500
859	8.64100	2.55000	-0.805000
860	7.64100	2.55000	-0.605000
861	7.64100	2.55000	-0.805000
862	12.5160	2.55000	-1.00500
863	12.5160	2.55000	-0.805000
864	11.5160	2.55000	-0.605000
865	11.5160	2.55000	-0.805000
866	16.3910	2.55000	-1.00500
867	16.3910	2.55000	-0.805000
868	15.3910	2.55000	-0.605000
869	15.3910	2.55000	-0.805000
870	20.2660	2.55000	-1.00500
871	20.2660	2.55000	-0.805000
872	19.2660	2.55000	-0.605000
873	19.2660	2.55000	-0.805000
874	24.1410	2.55000	-1.00500
875	24.1410	2.55000	-0.805000
876	23.1410	2.55000	-0.605000
877	23.1410	2.55000	-0.805000
878	28.0160	2.55000	-1.00500
879	28.0160	2.55000	-0.805000
880	27.0160	2.55000	-0.605000
881	27.0160	2.55000	-0.805000
882	31.8910	2.55000	-1.00500
883	31.8910	2.55000	-0.805000
884	30.8910	2.55000	-0.605000
885	30.8910	2.55000	-0.805000
886	35.7660	2.55000	-1.00500
887	35.7660	2.55000	-0.805000
888	34.7660	2.55000	-0.605000
889	34.7660	2.55000	-0.805000
890	39.6410	2.55000	-1.00500
891	39.6410	2.55000	-0.805000
892	38.6410	2.55000	-0.605000
893	38.6410	2.55000	-0.805000
894	43.5160	2.55000	-1.00500
895	43.5160	2.55000	-0.805000
896	42.5160	2.55000	-0.605000
897	42.5160	2.55000	-0.805000
898	7.05500	9.10000	-1.00500
899	7.05500	9.10000	-0.805000
900	8.05500	9.10000	-0.605000
901	8.05500	9.10000	-0.805000
902	10.9300	9.10000	-1.00500
903	10.9300	9.10000	-0.805000
904	11.9300	9.10000	-0.605000
905	11.9300	9.10000	-0.805000
906	14.8050	9.10000	-1.00500
907	14.8050	9.10000	-0.805000
908	15.8050	9.10000	-0.605000
909	15.8050	9.10000	-0.805000
910	18.6800	9.10000	-1.00500
911	18.6800	9.10000	-0.805000
912	19.6800	9.10000	-0.605000
913	19.6800	9.10000	-0.805000
914	22.5550	9.10000	-1.00500
915	22.5550	9.10000	-0.805000
916	23.5550	9.10000	-0.605000
917	23.5550	9.10000	-0.805000
918	26.4300	9.10000	-1.00500
919	26.4300	9.10000	-0.805000
920	27.4300	9.10000	-0.605000
921	27.4300	9.10000	-0.805000
922	30.3050	9.10000	-1.00500
923	30.3050	9.10000	-0.805000
924	31.3050	9.10000	-0.605000
925	31.3050	9.10000	-0.805000
926	34.1800	9.10000	-1.00500
927	34.1800	9.10000	-0.805000

928	35.1800	9.10000	-0.605000
929	35.1800	9.10000	-0.805000
930	38.0550	9.10000	-1.00500
931	38.0550	9.10000	-0.805000
932	39.0550	9.10000	-0.605000
933	39.0550	9.10000	-0.805000
934	41.9300	9.10000	-1.00500
935	41.9300	9.10000	-0.805000
936	42.9300	9.10000	-0.605000
937	42.9300	9.10000	-0.805000
938	45.8050	9.10000	-1.00500
939	45.8050	9.10000	-0.805000
940	46.8050	9.10000	-0.605000
941	46.8050	9.10000	-0.805000
942	1.21800	3.48571	-1.00000
943	1.54500	4.42143	-1.00000
944	1.87200	5.35714	-1.00000
945	2.19900	6.29286	-1.00000
946	2.52600	7.22857	-1.00000
947	2.85300	8.16429	-1.00000
948	-0.530155E-01	2.87990	-1.00000
949	0.273984	3.81562	-1.00000
950	0.600984	4.75133	-1.00000
951	0.927984	5.68704	-1.00000
952	1.25498	6.62276	-1.00000
953	1.58198	7.55847	-1.00000
954	1.90898	8.49419	-1.00000
955	47.7180	3.48571	-1.00000
956	48.0450	4.42143	-1.00000
957	48.3720	5.35714	-1.00000
958	48.6990	6.29286	-1.00000
959	49.0260	7.22857	-1.00000
960	49.3530	8.16429	-1.00000
961	46.4470	2.87990	-1.00000
962	46.7740	3.81562	-1.00000
963	47.1010	4.75133	-1.00000
964	47.4280	5.68704	-1.00000
965	47.7550	6.62276	-1.00000
966	48.0820	7.55847	-1.00000
967	48.4090	8.49419	-1.00000
968	5.09300	3.48571	-1.00500
969	5.42000	4.42143	-1.00500
970	5.74700	5.35714	-1.00500
971	6.07400	6.29286	-1.00500
972	6.40100	7.22857	-1.00500
973	6.72800	8.16429	-1.00500
974	3.82198	2.87990	-1.00500
975	4.14898	3.81562	-1.00500
976	4.47598	4.75133	-1.00500
977	4.80298	5.68704	-1.00500
978	5.12998	6.62276	-1.00500
979	5.45698	7.55847	-1.00500
980	5.78398	8.49419	-1.00500
981	8.96800	3.48571	-1.00500
982	9.29500	4.42143	-1.00500
983	9.62200	5.35714	-1.00500
984	9.94900	6.29286	-1.00500
985	10.2760	7.22857	-1.00500
986	10.6030	8.16429	-1.00500
987	7.69698	2.87990	-1.00500
988	8.02398	3.81562	-1.00500
989	8.35098	4.75133	-1.00500
990	8.67798	5.68704	-1.00500
991	9.00498	6.62276	-1.00500
992	9.33198	7.55847	-1.00500
993	9.65898	8.49419	-1.00500
994	12.8430	3.48571	-1.00500
995	13.1700	4.42143	-1.00500
996	13.4970	5.35714	-1.00500
997	13.8240	6.29286	-1.00500
998	14.1510	7.22857	-1.00500
999	14.4780	8.16429	-1.00500
1000	11.5720	2.87990	-1.00500
1001	11.8990	3.81562	-1.00500
1002	12.2260	4.75133	-1.00500
1003	12.5530	5.68704	-1.00500
1004	12.8800	6.62276	-1.00500
1005	13.2070	7.55847	-1.00500
1006	13.5340	8.49419	-1.00500
1007	16.7180	3.48571	-1.00500
1008	17.0450	4.42143	-1.00500
1009	17.3720	5.35714	-1.00500
1010	17.6990	6.29286	-1.00500
1011	18.0260	7.22857	-1.00500
1012	18.3530	8.16429	-1.00500
1013	15.4470	2.87990	-1.00500
1014	15.7740	3.81562	-1.00500
1015	16.1010	4.75133	-1.00500
1016	16.4280	5.68704	-1.00500
1017	16.7550	6.62276	-1.00500
1018	17.0820	7.55847	-1.00500
1019	17.4090	8.49419	-1.00500
1020	20.5930	3.48571	-1.00500
1021	20.9200	4.42143	-1.00500
1022	21.2470	5.35714	-1.00500
1023	21.5740	6.29286	-1.00500
1024	21.9010	7.22857	-1.00500
1025	22.2280	8.16429	-1.00500

1026	19.3220	2.87990	-1.00500
1027	19.6490	3.81562	-1.00500
1028	19.9760	4.75133	-1.00500
1029	20.3030	5.68704	-1.00500
1030	20.6300	6.62276	-1.00500
1031	20.9570	7.55847	-1.00500
1032	21.2840	8.49419	-1.00500
1033	24.4680	3.48571	-1.00500
1034	24.7950	4.42143	-1.00500
1035	25.1220	5.35714	-1.00500
1036	25.4490	6.29286	-1.00500
1037	25.7760	7.22857	-1.00500
1038	26.1030	8.16429	-1.00500
1039	23.1970	2.87990	-1.00500
1040	23.5240	3.81562	-1.00500
1041	23.8510	4.75133	-1.00500
1042	24.1780	5.68704	-1.00500
1043	24.5050	6.62276	-1.00500
1044	24.8320	7.55847	-1.00500
1045	25.1590	8.49419	-1.00500
1046	28.3430	3.48571	-1.00500
1047	28.6700	4.42143	-1.00500
1048	28.9970	5.35714	-1.00500
1049	29.3240	6.29286	-1.00500
1050	29.6510	7.22857	-1.00500
1051	29.9780	8.16429	-1.00500
1052	27.0720	2.87990	-1.00500
1053	27.3990	3.81562	-1.00500
1054	27.7260	4.75133	-1.00500
1055	28.0530	5.68704	-1.00500
1056	28.3800	6.62276	-1.00500
1057	28.7070	7.55847	-1.00500
1058	29.0340	8.49419	-1.00500
1059	32.2180	3.48571	-1.00500
1060	32.5450	4.42143	-1.00500
1061	32.8720	5.35714	-1.00500
1062	33.1990	6.29286	-1.00500
1063	33.5260	7.22857	-1.00500
1064	33.8530	8.16429	-1.00500
1065	30.9470	2.87990	-1.00500
1066	31.2740	3.81562	-1.00500
1067	31.6010	4.75133	-1.00500
1068	31.9280	5.68704	-1.00500
1069	32.2550	6.62276	-1.00500
1070	32.5820	7.55847	-1.00500
1071	32.9090	8.49419	-1.00500
1072	36.0930	3.48571	-1.00500
1073	36.4200	4.42143	-1.00500
1074	36.7470	5.35714	-1.00500
1075	37.0740	6.29286	-1.00500
1076	37.4010	7.22857	-1.00500
1077	37.7280	8.16429	-1.00500
1078	34.8220	2.87990	-1.00500
1079	35.1490	3.81562	-1.00500
1080	35.4760	4.75133	-1.00500
1081	35.8030	5.68704	-1.00500
1082	36.1300	6.62276	-1.00500
1083	36.4570	7.55847	-1.00500
1084	36.7840	8.49419	-1.00500
1085	39.9680	3.48571	-1.00500
1086	40.2950	4.42143	-1.00500
1087	40.6220	5.35714	-1.00500
1088	40.9490	6.29286	-1.00500
1089	41.2760	7.22857	-1.00500
1090	41.6030	8.16429	-1.00500
1091	38.6970	2.87990	-1.00500
1092	39.0240	3.81562	-1.00500
1093	39.3510	4.75133	-1.00500
1094	39.6780	5.68704	-1.00500
1095	40.0050	6.62276	-1.00500
1096	40.3320	7.55847	-1.00500
1097	40.6590	8.49419	-1.00500
1098	43.8430	3.48571	-1.00500
1099	44.1700	4.42143	-1.00500
1100	44.4970	5.35714	-1.00500
1101	44.8240	6.29286	-1.00500
1102	45.1510	7.22857	-1.00500
1103	45.4780	8.16429	-1.00500
1104	42.5720	2.87990	-1.00500
1105	42.8990	3.81562	-1.00500
1106	43.2260	4.75133	-1.00500
1107	43.5530	5.68704	-1.00500
1108	43.8800	6.62276	-1.00500
1109	44.2070	7.55847	-1.00500
1110	44.5340	8.49419	-1.00500
1111	4.76600	2.55000	-1.40500
1112	4.76600	2.55000	-2.40000
1113	4.76600	2.55000	-1.90250
1114	3.76600	2.55000	-1.40500
1115	3.76600	2.55000	-1.90250
1116	4.76600	2.55000	-1.20500
1117	3.76600	2.55000	-1.00500
1118	3.76600	2.55000	-1.20500
1119	8.64100	2.55000	-1.40500
1120	8.64100	2.55000	-2.40000
1121	8.64100	2.55000	-1.90250
1122	7.64100	2.55000	-1.40500
1123	7.64100	2.55000	-1.90250



1124	8.64100	2.55000	-1.20500
1125	7.64100	2.55000	-1.00500
1126	7.64100	2.55000	-1.20500
1127	12.5160	2.55000	-1.40500
1128	12.5160	2.55000	-2.40000
1129	12.5160	2.55000	-1.90250
1130	11.5160	2.55000	-1.40500
1131	11.5160	2.55000	-1.90250
1132	12.5160	2.55000	-1.20500
1133	11.5160	2.55000	-1.00500
1134	11.5160	2.55000	-1.20500
1135	16.3910	2.55000	-1.40500
1136	16.3910	2.55000	-2.40000
1137	16.3910	2.55000	-1.90250
1138	15.3910	2.55000	-1.40500
1139	15.3910	2.55000	-1.90250
1140	16.3910	2.55000	-1.20500
1141	15.3910	2.55000	-1.00500
1142	15.3910	2.55000	-1.20500
1143	20.2660	2.55000	-1.40500
1144	20.2660	2.55000	-2.40000
1145	20.2660	2.55000	-1.90250
1146	19.2660	2.55000	-1.40500
1147	19.2660	2.55000	-1.90250
1148	20.2660	2.55000	-1.20500
1149	19.2660	2.55000	-1.00500
1150	19.2660	2.55000	-1.20500
1151	24.1410	2.55000	-1.40500
1152	24.1410	2.55000	-2.40000
1153	24.1410	2.55000	-1.90250
1154	23.1410	2.55000	-1.40500
1155	23.1410	2.55000	-1.90250
1156	24.1410	2.55000	-1.20500
1157	23.1410	2.55000	-1.00500
1158	23.1410	2.55000	-1.20500
1159	28.0160	2.55000	-1.40500
1160	28.0160	2.55000	-2.40000
1161	28.0160	2.55000	-1.90250
1162	27.0160	2.55000	-1.40500
1163	27.0160	2.55000	-1.90250
1164	28.0160	2.55000	-1.20500
1165	27.0160	2.55000	-1.00500
1166	27.0160	2.55000	-1.20500
1167	31.8910	2.55000	-1.40500
1168	31.8910	2.55000	-2.40000
1169	31.8910	2.55000	-1.90250
1170	30.8910	2.55000	-1.40500
1171	30.8910	2.55000	-1.90250
1172	31.8910	2.55000	-1.20500
1173	30.8910	2.55000	-1.00500
1174	30.8910	2.55000	-1.20500
1175	35.7660	2.55000	-1.40500
1176	35.7660	2.55000	-2.40000
1177	35.7660	2.55000	-1.90250
1178	34.7660	2.55000	-1.40500
1179	34.7660	2.55000	-1.90250
1180	35.7660	2.55000	-1.20500
1181	34.7660	2.55000	-1.00500
1182	34.7660	2.55000	-1.20500
1183	39.6410	2.55000	-1.40500
1184	39.6410	2.55000	-2.40000
1185	39.6410	2.55000	-1.90250
1186	38.6410	2.55000	-1.40500
1187	38.6410	2.55000	-1.90250
1188	39.6410	2.55000	-1.20500
1189	38.6410	2.55000	-1.00500
1190	38.6410	2.55000	-1.20500
1191	43.5160	2.55000	-1.40500
1192	43.5160	2.55000	-2.40000
1193	43.5160	2.55000	-1.90250
1194	42.5160	2.55000	-1.40500
1195	42.5160	2.55000	-1.90250
1196	43.5160	2.55000	-1.20500
1197	42.5160	2.55000	-1.00500
1198	42.5160	2.55000	-1.20500
1199	7.05500	9.10000	-1.40500
1200	7.05500	9.10000	-2.40000
1201	7.05500	9.10000	-1.90250
1202	8.05500	9.10000	-1.40500
1203	8.05500	9.10000	-1.90250
1204	7.05500	9.10000	-1.20500
1205	8.05500	9.10000	-1.00500
1206	8.05500	9.10000	-1.20500
1207	10.9300	9.10000	-1.40500
1208	10.9300	9.10000	-2.40000
1209	10.9300	9.10000	-1.90250
1210	11.9300	9.10000	-1.40500
1211	11.9300	9.10000	-1.90250
1212	10.9300	9.10000	-1.20500
1213	11.9300	9.10000	-1.00500
1214	11.9300	9.10000	-1.20500
1215	14.8050	9.10000	-1.40500
1216	14.8050	9.10000	-2.40000
1217	14.8050	9.10000	-1.90250
1218	15.8050	9.10000	-1.40500
1219	15.8050	9.10000	-1.90250
1220	14.8050	9.10000	-1.20500
1221	15.8050	9.10000	-1.00500

1222	15.8050	9.10000	-1.20500
1223	18.6800	9.10000	-1.40500
1224	18.6800	9.10000	-2.40000
1225	18.6800	9.10000	-1.90250
1226	19.6800	9.10000	-1.40500
1227	19.6800	9.10000	-1.90250
1228	18.6800	9.10000	-1.20500
1229	19.6800	9.10000	-1.00500
1230	19.6800	9.10000	-1.20500
1231	22.5550	9.10000	-1.40500
1232	22.5550	9.10000	-2.40000
1233	22.5550	9.10000	-1.90250
1234	23.5550	9.10000	-1.40500
1235	23.5550	9.10000	-1.90250
1236	22.5550	9.10000	-1.20500
1237	23.5550	9.10000	-1.00500
1238	23.5550	9.10000	-1.20500
1239	26.4300	9.10000	-1.40500
1240	26.4300	9.10000	-2.40000
1241	26.4300	9.10000	-1.90250
1242	27.4300	9.10000	-1.40500
1243	27.4300	9.10000	-1.90250
1244	26.4300	9.10000	-1.20500
1245	27.4300	9.10000	-1.00500
1246	27.4300	9.10000	-1.20500
1247	30.3050	9.10000	-1.40500
1248	30.3050	9.10000	-2.40000
1249	30.3050	9.10000	-1.90250
1250	31.3050	9.10000	-1.40500
1251	31.3050	9.10000	-1.90250
1252	30.3050	9.10000	-1.20500
1253	31.3050	9.10000	-1.00500
1254	31.3050	9.10000	-1.20500
1255	34.1800	9.10000	-1.40500
1256	34.1800	9.10000	-2.40000
1257	34.1800	9.10000	-1.90250
1258	35.1800	9.10000	-1.40500
1259	35.1800	9.10000	-1.90250
1260	34.1800	9.10000	-1.20500
1261	35.1800	9.10000	-1.00500
1262	35.1800	9.10000	-1.20500
1263	38.0550	9.10000	-1.40500
1264	38.0550	9.10000	-2.40000
1265	38.0550	9.10000	-1.90250
1266	39.0550	9.10000	-1.40500
1267	39.0550	9.10000	-1.90250
1268	38.0550	9.10000	-1.20500
1269	39.0550	9.10000	-1.00500
1270	39.0550	9.10000	-1.20500
1271	41.9300	9.10000	-1.40500
1272	41.9300	9.10000	-2.40000
1273	41.9300	9.10000	-1.90250
1274	42.9300	9.10000	-1.40500
1275	42.9300	9.10000	-1.90250
1276	41.9300	9.10000	-1.20500
1277	42.9300	9.10000	-1.00500
1278	42.9300	9.10000	-1.20500
1279	45.8050	9.10000	-1.40500
1280	45.8050	9.10000	-2.40000
1281	45.8050	9.10000	-1.90250
1282	46.8050	9.10000	-1.40500
1283	46.8050	9.10000	-1.90250
1284	45.8050	9.10000	-1.20500
1285	46.8050	9.10000	-1.00500
1286	46.8050	9.10000	-1.20500
1287	0.891000	2.55000	-1.45000
1288	0.891000	2.55000	-2.40000
1289	0.891000	2.55000	-1.92500
1290	-0.109000	2.55000	-1.45000
1291	-0.109000	2.55000	-1.92500
1292	0.891000	2.55000	-1.22500
1293	-0.109000	2.55000	-1.00000
1294	-0.109000	2.55000	-1.22500
1295	3.18000	9.10000	-1.45000
1296	3.18000	9.10000	-2.40000
1297	3.18000	9.10000	-1.92500
1298	4.18000	9.10000	-1.45000
1299	4.18000	9.10000	-1.92500
1300	3.18000	9.10000	-1.22500
1301	4.18000	9.10000	-1.00000
1302	4.18000	9.10000	-1.22500
1303	47.3910	2.55000	-1.45000
1304	47.3910	2.55000	-2.40000
1305	47.3910	2.55000	-1.92500
1306	46.3910	2.55000	-1.45000
1307	46.3910	2.55000	-1.92500
1308	47.3910	2.55000	-1.22500
1309	46.3910	2.55000	-1.00000
1310	46.3910	2.55000	-1.22500
1311	49.6800	9.10000	-1.45000
1312	49.6800	9.10000	-2.40000
1313	49.6800	9.10000	-1.92500
1314	50.6800	9.10000	-1.45000
1315	50.6800	9.10000	-1.92500
1316	49.6800	9.10000	-1.22500
1317	50.6800	9.10000	-1.00000
1318	50.6800	9.10000	-1.22500
1319	0.891000	2.55000	-2.40000

1320	0.891000	2.55000	-3.20000
1321	1.22079	3.49405	-2.40000
1322	47.3910	2.55000	-2.40000
1323	47.3910	2.55000	-3.20000
1324	47.7208	3.49405	-2.40000
1325	3.18000	9.10000	-2.40000
1326	3.18000	9.10000	-3.20000
1327	3.50979	10.0441	-2.40000
1328	49.6800	9.10000	-2.40000
1329	49.6800	9.10000	-3.20000
1330	50.0098	10.0441	-2.40000
1331	0.469075	12.2689	-8.90000
1332	0.469075	12.2689	-6.90000
1333	0.154420	11.3197	-8.90000
1334	1.57598	6.46984	-6.90000
1335	1.57598	6.46984	-3.20000
1336	1.57598	6.46984	-6.37143
1337	1.57598	6.46984	-5.84286
1338	1.57598	6.46984	-5.31429
1339	1.57598	6.46984	-4.78571
1340	1.57598	6.46984	-4.25714
1341	1.57598	6.46984	-3.72857
1342	1.26132	5.52064	-6.90000
1343	1.26132	5.52064	-6.37143
1344	1.26132	5.52064	-5.84286
1345	1.26132	5.52064	-5.31429
1346	1.26132	5.52064	-4.78571
1347	1.26132	5.52064	-4.25714
1348	1.26132	5.52064	-3.72857
1349	1.57498	6.46984	0.600000
1350	1.57585	6.46984	-2.72500
1351	1.57573	6.46984	-2.25000
1352	1.57560	6.46984	-1.77500
1353	1.57548	6.46984	-1.30000
1354	1.57535	6.46984	-0.825000
1355	1.57523	6.46984	-0.350000
1356	1.57510	6.46984	0.125000
1357	1.26132	5.52064	-3.20008
1358	1.26120	5.52064	-2.72508
1359	1.26107	5.52064	-2.25008
1360	1.26095	5.52064	-1.77508
1361	1.26082	5.52064	-1.30008
1362	1.26070	5.52064	-0.825083
1363	1.26057	5.52064	-0.350083
1364	1.26045	5.52064	0.124917
1365	5.41889	18.0655	-6.90000
1366	5.41889	18.0655	-3.20000
1367	5.41889	18.0655	-6.37143
1368	5.41889	18.0655	-5.84286
1369	5.41889	18.0655	-5.31429
1370	5.41889	18.0655	-4.78571
1371	5.41889	18.0655	-4.25714
1372	5.41889	18.0655	-3.72857
1373	5.10423	17.1163	-6.90000
1374	5.10423	17.1163	-6.37143
1375	5.10423	17.1163	-5.84286
1376	5.10423	17.1163	-5.31429
1377	5.10423	17.1163	-4.78571
1378	5.10423	17.1163	-4.25714
1379	5.10423	17.1163	-3.72857
1380	5.41789	18.0655	0.600000
1381	5.41876	18.0655	-2.72500
1382	5.41864	18.0655	-2.25000
1383	5.41851	18.0655	-1.77500
1384	5.41839	18.0655	-1.30000
1385	5.41826	18.0655	-0.825000
1386	5.41814	18.0655	-0.350000
1387	5.41801	18.0655	0.125000
1388	5.10424	17.1163	-3.20008
1389	5.10412	17.1163	-2.72508
1390	5.10399	17.1163	-2.25008
1391	5.10387	17.1163	-1.77508
1392	5.10374	17.1163	-1.30008
1393	5.10362	17.1163	-0.825083
1394	5.10349	17.1163	-0.350083
1395	5.10337	17.1163	0.124917
1396	1.57598	6.46984	-8.90000
1397	1.57598	6.46984	-8.40000
1398	1.57598	6.46984	-7.90000
1399	1.57598	6.46984	-7.40000
1400	1.24619	5.52579	-8.90000
1401	1.24619	5.52579	-8.40000
1402	1.24619	5.52579	-7.90000
1403	1.24619	5.52579	-7.40000
1404	5.41889	18.0655	-8.90000
1405	5.41889	18.0655	-8.40000
1406	5.41889	18.0655	-7.90000
1407	5.41889	18.0655	-7.40000
1408	5.08910	17.1214	-8.90000
1409	5.08910	17.1214	-8.40000
1410	5.08910	17.1214	-7.90000
1411	5.08910	17.1214	-7.40000
1412	2.03550	5.82500	-3.20000
1413	48.5355	5.82500	-3.20000
1414	2.03550	5.82500	-3.20000
1415	48.5355	5.82500	-3.20000
1416	6.30657	18.6936	-3.20000
1417	-1.19156	12.2647	-3.15000

1418	-0.191563	12.2647	-3.15000
1419	-1.19156	13.2647	-3.15000
1420	0.469075	12.2689	-8.90000
1421	2.03550	5.82500	-3.20000
1422	2.03550	5.82500	0.00000E+00
1423	48.5355	5.82500	0.00000E+00
1424	6.30657	18.6936	-3.20000
1425	2.03550	5.82500	-3.20000
1426	1.89100	2.55000	-2.40000
1427	0.891000	3.55000	-2.40000
1428	4.18000	9.10000	-2.40000
1429	3.18000	10.1000	-2.40000
1430	46.3910	2.55000	-2.40000
1431	47.3910	1.55000	-2.40000
1432	48.6800	9.10000	-2.40000
1433	49.6800	8.10000	-2.40000
1434	3.03550	5.82500	-3.20000
1435	2.03550	6.82500	-3.20000
1436	49.5355	5.82500	-3.20000
1437	48.5355	6.82500	-3.20000
1438	7.30657	18.6936	-3.20000
1439	6.30657	19.6936	-3.20000
1440	1.41828	11.9543	-8.90000
1441	0.783730	13.2181	-8.90000
1442	3.03550	5.82500	-3.20000
1443	2.03550	6.82500	-3.20000
1444	2.98471	5.51034	0.00000E+00
1445	2.35016	6.77421	0.00000E+00
1446	47.5863	6.13966	0.00000E+00
1447	48.2208	4.87579	0.00000E+00

TOTAL NUMBER OF NODES	=	1447
LARGEST NODE NUMBER	=	1447
DATA STORAGE LOCATIONS USED	=	10129

G E O M E T R I C P R O P E R T I E S

C1\_F1  
PROPERTY

BMI21 ELEMENTS	
1 1ST NODE	AREA =0.1085 IYY =0.1034 IZZ =0.4325E-02 KT =0.2541E-04 ASZ =0.5148E-01
	ASY =0.5700E-01 EZ =1.233 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1085 IYY =0.1034 IZZ =0.4325E-02 KT =0.2541E-04 ASZ =0.5148E-01
	ASY =0.5700E-01 EZ =1.233 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

C2\_F1  
PROPERTY

BMI21 ELEMENTS	
2 1ST NODE	AREA =0.1469 IYY =0.1516 IZZ =0.7848E-02 KT =0.1169E-03 ASZ =0.4590E-01
	ASY =0.1010 EZ =1.424 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1469 IYY =0.1516 IZZ =0.7848E-02 KT =0.1169E-03 ASZ =0.4590E-01
	ASY =0.1010 EZ =1.424 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

C3\_F1  
PROPERTY

BMI21 ELEMENTS	
3 1ST NODE	AREA =0.1610 IYY =0.1741 IZZ =0.9289E-02 KT =0.1825E-03 ASZ =0.4095E-01
	ASY =0.1200 EZ =1.410 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1610 IYY =0.1741 IZZ =0.9289E-02 KT =0.1825E-03 ASZ =0.4095E-01
	ASY =0.1200 EZ =1.410 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

plinto (sz\_plinto Mirror y-y)  
PROPERTY

BMI21 ELEMENTS	
4 1ST NODE	AREA =257.6 IYY =1897. IZZ =0.1632E+05 KT =5900. ASZ =211.5
	ASY =215.9 EZ =0.0000E+00 EY =0.0000E+00 IYZ =-628.5
2ND NODE	AREA =257.6 IYY =1897. IZZ =0.1632E+05 KT =5900. ASZ =211.5

ASY =215.9 EZ =0.0000E+00 EY =0.0000E+00 IYZ =-628.5

G E O M E T R I C P R O P E R T I E S

paramento (RSS D=2.65 B=12.215)

PROPERTY

BMI21 ELEMENTS  
5 1ST NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_campata (HE 800 A)

PROPERTY

BMI21 ELEMENTS  
6 1ST NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_appoggio (I D=0.9 B=0.3 tf=0.04 tw=0.03 r=0)

PROPERTY

BMI21 ELEMENTS  
7 1ST NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_appoggi

PROPERTY

BMI21 ELEMENTS  
8 1ST NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02  
2ND NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_campata (irrigidente campata)

PROPERTY

BMI21 ELEMENTS  
9 1ST NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04  
2ND NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04

G E O M E T R I C P R O P E R T I E S

paraghiaia (RSS D=0.55 B=12.215)

PROPERTY

BMI21 ELEMENTS  
10 1ST NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

rigida  
PROPERTY

BMI21 ELEMENTS							
11	1ST NODE	AREA =10.00	IYY =100.0	IZZ =100.0	KT =100.0	ASZ =-0.1000E+05	
		ASY =0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		
	2ND NODE	AREA =10.00	IYY =100.0	IZZ =100.0	KT =100.0	ASZ =-0.1000E+05	
		ASY =0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Baggioli (RSS D=1.2 B=1.2)  
PROPERTY

BMI21 ELEMENTS							
12	1ST NODE	AREA =1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =-1.200	
		ASY =1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		
	2ND NODE	AREA =1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =-1.200	
		ASY =1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Soletta\_sp\_0.3  
PROPERTY

QTS4 ELEMENTS							
14	EZ = -0.1500	T1 = 0.3000	T2 = 0.3000	T3 = 0.3000	T4 = 0.3000		

G E O M E T R I C P R O P E R T I E S

Ecc0  
PROPERTY

JSH4 ELEMENTS							
13	ECCENTRICITY = 0.0000E+00						
	DATA STORAGE LOCATIONS USED	=	678				

G E O M E T R I C A S S I G N M E N T S

FIRST ELEMENT	LAST ELEMENT	DIFF-ERENCE	GEOMETRIC SET	LUSASM ID NO.
1	48	1	14	14
49	52	1	1	1
53	60	1	14	14
61	63	1	1	1
64	69	1	14	14
70	0	0	2	2
71	72	1	14	14
73	76	1	2	2
77	84	1	14	14
85	88	1	2	2
89	96	1	14	14
97	98	1	2	2
99	102	1	14	14
103	104	1	3	3
105	108	1	14	14
109	112	1	3	3
113	120	1	14	14
121	124	1	3	3
125	132	1	14	14
133	134	1	3	3
135	138	1	14	14
139	140	1	2	2
141	144	1	14	14
145	148	1	2	2
149	156	1	14	14
157	160	1	2	2
161	168	1	14	14

169	0	0	2	2
170	171	1	14	14
172	174	1	1	1
175	180	1	14	14
181	184	1	1	1
185	192	1	14	14
193	196	1	1	1
197	204	1	14	14
205	207	1	1	1
208	213	1	14	14
214	0	0	2	2
215	216	1	14	14
217	220	1	2	2
221	228	1	14	14
229	232	1	2	2
233	240	1	14	14
241	242	1	2	2
243	246	1	14	14
247	248	1	3	3
249	252	1	14	14
253	256	1	3	3
257	264	1	14	14
265	268	1	3	3
269	276	1	14	14
277	278	1	3	3
279	282	1	14	14
283	284	1	2	2
285	288	1	14	14
289	292	1	2	2
293	300	1	14	14
301	304	1	2	2
305	312	1	14	14
313	0	0	2	2
314	315	1	14	14
316	318	1	1	1
319	324	1	14	14
325	328	1	1	1
329	672	1	14	14
673	674	1	8	8
675	696	1	9	9
697	700	1	8	8
701	722	1	9	9
723	732	1	8	8
733	776	1	9	9
777	790	1	7	7
791	867	1	6	6
868	955	1	9	9
956	971	1	8	8
972	975	1	12	13
976	0	0	4	4
977	983	1	5	5
984	991	1	10	10
992	998	1	5	5
999	1006	1	10	10
1007	1014	1	11	11
1016	1026	1	13	15

TOTAL NUMBER OF GEOMETRIC ASSIGNMENT SETS = 83  
TOTAL NUMBER OF ELEMENTS = 1025  
LARGEST ELEMENT NUMBER = 1026  
LARGEST GEOMETRIC ASSIGNMENT SET NUMBER = 14  
DATA STORAGE LOCATIONS USED = 3075

J O I N T P R O P E R T I E S

MATERIAL

giunti

8 KX = 1.000 KY = 1.000 KZ = 1.000 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Isolatori\_spalle

9 KX = 0.2230E+07 KY = 0.2230E+07 KZ = 0.2186E+10 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Incastro  
10 KX = 0.1000E+16 KY = 0.1000E+16 KZ = 0.1000E+16 KTX = 0.1000E+16 KTY = 0.1000E+16 KTZ = 0.1000E+16

M A T E R I A L P R O P E R T I E S M A S S

MATERIAL

Massa\_terreno\_SP1  
11 MX = 0.2213E+07 MY = 0.2213E+07 MZ = 0.2213E+07

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel (elastic)  
1 E = 0.2100E+12 NU = 0.3000 RHO = 7850. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_long\_term\_Phase2a (elastic)  
12 E = 0.1241E+11 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3 (elastic)  
2 E = 0.3364E+11 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle (elastic)  
3 E = 0.1000E+16 NU = 0.2000 RHO = 2500. ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle\_nomassa (elastic)  
4 E = 0.1000E+16 NU = 0.2000 RHO = 0.0000E+00 ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel\_rho=0 (elastic)  
5 E = 0.2100E+12 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S



MATERIAL

Rigid\_rho=0 (elastic)

6 E = 0.2100E+15 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3\_Rigid (elastic)

7 E = 0.3364E+14 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

DATA STORAGE LOCATIONS USED = 512

M A T E R I A L A S S I G N M E N T S

SMEARED_REINFORCEMENT SET	FIRST ELEMENT	LAST ELEMENT	DIFF- ERENCE	MATERIAL SET	NSET	STRESS POTENTIAL/ PLASTIC DATA SET	CREEP SET	DAMAGE SET	LusasM ID NO.	VISCOELASTIC SET	TWO PHASE MATERIAL SET	SHRINKAGE SET	KO SET
	0	1	48	1	12	0	0	0	0	2	0	0	0
0	49	52	1	1	0	0	0	0	1	0	0	0	0
0	53	60	1	12	0	0	0	0	2	0	0	0	0
0	61	63	1	1	0	0	0	0	1	0	0	0	0
0	64	69	1	12	0	0	0	0	2	0	0	0	0
0	70	0	0	1	0	0	0	0	1	0	0	0	0
0	71	72	1	12	0	0	0	0	2	0	0	0	0
0	73	76	1	1	0	0	0	0	1	0	0	0	0
0	77	84	1	12	0	0	0	0	2	0	0	0	0
0	85	88	1	1	0	0	0	0	1	0	0	0	0
0	89	96	1	12	0	0	0	0	2	0	0	0	0
0	97	98	1	1	0	0	0	0	1	0	0	0	0
0	99	102	1	12	0	0	0	0	2	0	0	0	0
0	103	104	1	1	0	0	0	0	1	0	0	0	0
0	105	108	1	12	0	0	0	0	2	0	0	0	0
0	109	112	1	1	0	0	0	0	1	0	0	0	0
0	113	120	1	12	0	0	0	0	2	0	0	0	0
0	121	124	1	1	0	0	0	0	1	0	0	0	0
0	125	132	1	12	0	0	0	0	2	0	0	0	0
0	133	134	1	1	0	0	0	0	1	0	0	0	0
0	135	138	1	12	0	0	0	0	2	0	0	0	0
0	139	140	1	1	0	0	0	0	1	0	0	0	0
0	141	144	1	12	0	0	0	0	2	0	0	0	0
0	145	148	1	1	0	0	0	0	1	0	0	0	0
0	149	156	1	12	0	0	0	0	2	0	0	0	0
0	157	160	1	1	0	0	0	0	1	0	0	0	0
0	161	168	1	12	0	0	0	0	2	0	0	0	0
0	169	0	0	1	0	0	0	0	1	0	0	0	0
0	170	171	1	12	0	0	0	0	2	0	0	0	0
0	172	174	1	1	0	0	0	0	1	0	0	0	0
0	175	180	1	12	0	0	0	0	2	0	0	0	0
0	181	184	1	1	0	0	0	0	1	0	0	0	0

0	185	192	1	12	0	0	0	0	2	0	0	0	0
0	193	196	1	1	0	0	0	0	1	0	0	0	0
0	197	204	1	12	0	0	0	0	2	0	0	0	0
0	205	207	1	1	0	0	0	0	1	0	0	0	0
0	208	213	1	12	0	0	0	0	2	0	0	0	0
0	214	0	0	1	0	0	0	0	1	0	0	0	0
0	215	216	1	12	0	0	0	0	2	0	0	0	0
0	217	220	1	1	0	0	0	0	1	0	0	0	0
0	221	228	1	12	0	0	0	0	2	0	0	0	0
0	229	232	1	1	0	0	0	0	1	0	0	0	0
0	233	240	1	12	0	0	0	0	2	0	0	0	0
0	241	242	1	1	0	0	0	0	1	0	0	0	0
0	243	246	1	12	0	0	0	0	2	0	0	0	0
0	247	248	1	1	0	0	0	0	1	0	0	0	0
0	249	252	1	12	0	0	0	0	2	0	0	0	0
0	253	256	1	1	0	0	0	0	1	0	0	0	0
0	257	264	1	12	0	0	0	0	2	0	0	0	0
0	265	268	1	1	0	0	0	0	1	0	0	0	0
0	269	276	1	12	0	0	0	0	2	0	0	0	0
0	277	278	1	1	0	0	0	0	1	0	0	0	0
0	279	282	1	12	0	0	0	0	2	0	0	0	0
0	283	284	1	1	0	0	0	0	1	0	0	0	0
0	285	288	1	12	0	0	0	0	2	0	0	0	0
0	289	292	1	1	0	0	0	0	1	0	0	0	0
0	293	300	1	12	0	0	0	0	2	0	0	0	0
0	301	304	1	1	0	0	0	0	1	0	0	0	0
0	305	312	1	12	0	0	0	0	2	0	0	0	0
0	313	0	0	1	0	0	0	0	1	0	0	0	0
0	314	315	1	12	0	0	0	0	2	0	0	0	0
0	316	318	1	1	0	0	0	0	1	0	0	0	0
0	319	324	1	12	0	0	0	0	2	0	0	0	0
0	325	328	1	1	0	0	0	0	1	0	0	0	0
0	329	672	1	12	0	0	0	0	2	0	0	0	0
0	673	674	1	6	0	0	0	0	14	0	0	0	0
0	675	696	1	5	0	0	0	0	13	0	0	0	0
0	697	700	1	6	0	0	0	0	14	0	0	0	0
0	701	722	1	5	0	0	0	0	13	0	0	0	0
0	723	776	1	6	0	0	0	0	14	0	0	0	0
0	777	867	1	1	0	0	0	0	1	0	0	0	0
0	868	869	1	5	0	0	0	0	13	0	0	0	0
0	870	871	1	6	0	0	0	0	14	0	0	0	0
0	872	873	1	5	0	0	0	0	13	0	0	0	0
0	874	875	1	6	0	0	0	0	14	0	0	0	0
0	876	877	1	5	0	0	0	0	13	0	0	0	0
0	878	879	1	6	0	0	0	0	14	0	0	0	0
0	880	881	1	5	0	0	0	0	13	0	0	0	0
0	882	883	1	6	0	0	0	0	14	0	0	0	0
0	884	885	1	5	0	0	0	0	13	0	0	0	0
0	886	887	1	6	0	0	0	0	14	0	0	0	0

0	888	889	1	5	0	0	0	0	13	0	0	0	0
0	890	891	1	6	0	0	0	0	14	0	0	0	0
0	892	893	1	5	0	0	0	0	13	0	0	0	0
0	894	895	1	6	0	0	0	0	14	0	0	0	0
0	896	897	1	5	0	0	0	0	13	0	0	0	0
0	898	899	1	6	0	0	0	0	14	0	0	0	0
0	900	901	1	5	0	0	0	0	13	0	0	0	0
0	902	903	1	6	0	0	0	0	14	0	0	0	0
0	904	905	1	5	0	0	0	0	13	0	0	0	0
0	906	907	1	6	0	0	0	0	14	0	0	0	0
0	908	909	1	5	0	0	0	0	13	0	0	0	0
0	910	911	1	6	0	0	0	0	14	0	0	0	0
0	912	913	1	5	0	0	0	0	13	0	0	0	0
0	914	915	1	6	0	0	0	0	14	0	0	0	0
0	916	917	1	5	0	0	0	0	13	0	0	0	0
0	918	919	1	6	0	0	0	0	14	0	0	0	0
0	920	921	1	5	0	0	0	0	13	0	0	0	0
0	922	923	1	6	0	0	0	0	14	0	0	0	0
0	924	925	1	5	0	0	0	0	13	0	0	0	0
0	926	927	1	6	0	0	0	0	14	0	0	0	0
0	928	929	1	5	0	0	0	0	13	0	0	0	0
0	930	931	1	6	0	0	0	0	14	0	0	0	0
0	932	933	1	5	0	0	0	0	13	0	0	0	0
0	934	935	1	6	0	0	0	0	14	0	0	0	0
0	936	937	1	5	0	0	0	0	13	0	0	0	0
0	938	939	1	6	0	0	0	0	14	0	0	0	0
0	940	941	1	5	0	0	0	0	13	0	0	0	0
0	942	943	1	6	0	0	0	0	14	0	0	0	0
0	944	945	1	5	0	0	0	0	13	0	0	0	0
0	946	947	1	6	0	0	0	0	14	0	0	0	0
0	948	949	1	5	0	0	0	0	13	0	0	0	0
0	950	951	1	6	0	0	0	0	14	0	0	0	0
0	952	953	1	5	0	0	0	0	13	0	0	0	0
0	954	971	1	6	0	0	0	0	14	0	0	0	0
0	972	975	1	7	0	0	0	0	19	0	0	0	0
0	976	1006	1	3	0	0	0	0	7	0	0	0	0
0	1007	1014	1	4	0	0	0	0	8	0	0	0	0
0	1015	0	0	11	0	0	0	0	25	0	0	0	0
0	1016	1019	1	9	0	0	0	0	16	0	0	0	0
0	1020	1024	1	10	0	0	0	0	17	0	0	0	0
0	1025	1026	1	8	0	0	0	0	9	0	0	0	0

TOTAL NUMBER OF MATERIAL ASSIGNMENT SETS = 122

F R E E D O M T E M P L A T E

COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
U	V	W	THX	THY	THZ															

C O N S T R A I N T E Q U A T I O N S

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1365	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1365	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1365	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172516
1332	0	0	THZ	1.00000
1365	0	0	U	0.172516

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.202028
1332	0	0	THZ	-1.00000
1365	0	0	V	0.202028

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172516
1332	0	0	THX	-1.00000
1332	0	0	THY	0.853922
1365	0	0	W	0.172516

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THX	1.00000
1421	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THY	1.00000
1421	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THZ	1.00000
1421	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	U	1.00000
1421	0	0	U	-1.00000
1421	0	0	THZ	0.644845

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	V	1.00000
1421	0	0	V	-1.00000
1421	0	0	THZ	0.459523

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	W	1.00000
1421	0	0	W	-1.00000
1421	0	0	THX	-0.644845
1421	0	0	THY	-0.459523

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THX	-1.00000
1416	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THY	-1.00000
1416	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THZ	-1.00000
1416	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	U	-1.00000
1366	0	0	THZ	0.628174
1416	0	0	U	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	V	-1.00000
1366	0	0	THZ	-0.887682
1416	0	0	V	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	W	-1.00000
1366	0	0	THX	-0.628174
1366	0	0	THY	0.887682
1416	0	0	W	1.00000

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1334	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1334	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1334	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172442
1332	0	0	THZ	-1.00000
1334	0	0	U	0.172442

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.903422
1332	0	0	THZ	-1.00000
1334	0	0	V	0.903422

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172442
1332	0	0	THX	1.00000
1332	0	0	THY	0.190876
1334	0	0	W	0.172442

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	U	0.305344
1414	0	0	U	-0.305344

1414 0 0 THZ -1.00000  
TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	1.00000
1414	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	-1.00000
1414	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	1.00000
1415	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	-1.00000
1415	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.266667
1332	0	0	THY	-1.00000
1332	0	0	THZ	-0.112423E-02
1417	0	0	U	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.266667
1332	0	0	THX	1.00000
1332	0	0	THZ	0.442837
1417	0	0	V	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00



FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.602178
1332	0	0	THX	0.253870E-02
1332	0	0	THY	-1.00000
1417	0	0	W	0.602178

TOTAL NUMBER OF COEFFICIENTS = 4

TOTAL NUMBER OF CONSTRAINT EQUATIONS = 51  
 MAXIMUM NUMBER OF COEFFICIENTS PER EQUATION = 4  
 LARGEST NODE NUMBER ENCOUNTERED = 1421

DATA STORAGE LOCATIONS USED = 487

S U P P O R T N O D E S

F = FREE  
 R = RESTRAINED OR RESTRAINED WITH PRESCRIBED DISPLACEMENT  
 S = SPRING

FIRST NODE	LAST NODE	DIFF RNCE	SUPPORT CONDITION	SPRING CONSTANT OR PRESCRIBED VALUE	SPRING CONSTANT OR PRESCRIBED VALUE	SPRING CONSTANT OR PRESCRIBED VALUE	SPRING CONSTANT OR PRESCRIBED VALUE	SPRING CONSTANT OR PRESCRIBED VALUE	SPRING CONSTANT OR PRESCRIBED VALUE	SPRING CONSTANT OR PRESCRIBED VALUE
1412	1413	1	R R R R R R	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1420	1422	2	R R R R R R	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1423	0	0	R R R R R R	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

TOTAL NUMBER OF SUPPORT NODES = 5  
 LARGEST NODE NUMBER = 1423

DATA STORAGE LOCATIONS USED = 168

L O A D C A S E 4

gk2-permanent1

FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
1	0	0	0.00000E+00	0.00000E+00	-2543.0	0.00000E+00	0.00000E+00	0.00000E+00
2	0	0	0.00000E+00	0.00000E+00	-5496.1	0.00000E+00	0.00000E+00	0.00000E+00
3	5	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
6	0	0	0.00000E+00	0.00000E+00	-2814.0	0.00000E+00	0.00000E+00	0.00000E+00
7	0	0	0.00000E+00	0.00000E+00	-1302.0	0.00000E+00	0.00000E+00	0.00000E+00
8	10	1	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
11	0	0	0.00000E+00	0.00000E+00	-4265.6	0.00000E+00	0.00000E+00	0.00000E+00
12	13	1	0.00000E+00	0.00000E+00	-5906.2	0.00000E+00	0.00000E+00	0.00000E+00
14	0	0	0.00000E+00	0.00000E+00	-2184.0	0.00000E+00	0.00000E+00	0.00000E+00
15	16	1	0.00000E+00	0.00000E+00	-3024.0	0.00000E+00	0.00000E+00	0.00000E+00
17	0	0	0.00000E+00	0.00000E+00	-3855.5	0.00000E+00	0.00000E+00	0.00000E+00
18	0	0	0.00000E+00	0.00000E+00	-1974.0	0.00000E+00	0.00000E+00	0.00000E+00
19	0	0	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
20	22	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
23	0	0	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
24	26	1	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
27	0	0	0.00000E+00	0.00000E+00	-4839.8	0.00000E+00	0.00000E+00	0.00000E+00
28	30	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
31	0	0	0.00000E+00	0.00000E+00	-2478.0	0.00000E+00	0.00000E+00	0.00000E+00
32	34	1	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
35	0	0	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
36	0	0	0.00000E+00	0.00000E+00	-4593.7	0.00000E+00	0.00000E+00	0.00000E+00
37	0	0	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
38	0	0	0.00000E+00	0.00000E+00	-2352.0	0.00000E+00	0.00000E+00	0.00000E+00
39	0	0	0.00000E+00	0.00000E+00	-5332.0	0.00000E+00	0.00000E+00	0.00000E+00
40	0	0	0.00000E+00	0.00000E+00	-5578.1	0.00000E+00	0.00000E+00	0.00000E+00
41	0	0	0.00000E+00	0.00000E+00	-2730.0	0.00000E+00	0.00000E+00	0.00000E+00
42	0	0	0.00000E+00	0.00000E+00	-2856.0	0.00000E+00	0.00000E+00	0.00000E+00
43	0	0	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
44	46	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
47	0	0	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
48	50	1	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
51	0	0	0.00000E+00	0.00000E+00	-5332.0	0.00000E+00	0.00000E+00	0.00000E+00
52	54	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
55	0	0	0.00000E+00	0.00000E+00	-2730.0	0.00000E+00	0.00000E+00	0.00000E+00
56	58	1	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
59	0	0	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
60	0	0	0.00000E+00	0.00000E+00	-5578.1	0.00000E+00	0.00000E+00	0.00000E+00
61	0	0	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
62	0	0	0.00000E+00	0.00000E+00	-2856.0	0.00000E+00	0.00000E+00	0.00000E+00
63	0	0	0.00000E+00	0.00000E+00	-4839.8	0.00000E+00	0.00000E+00	0.00000E+00
64	0	0	0.00000E+00	0.00000E+00	-4593.8	0.00000E+00	0.00000E+00	0.00000E+00
65	0	0	0.00000E+00	0.00000E+00	-2478.0	0.00000E+00	0.00000E+00	0.00000E+00
66	0	0	0.00000E+00	0.00000E+00	-2352.0	0.00000E+00	0.00000E+00	0.00000E+00
67	0	0	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
68	70	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
71	0	0	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
72	74	1	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00











8 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00  
 TOTALS FOR STRUCTURE 0.803892E+09 0.576388E+09 0.114011E+10 -0.939598E+08 0.249752E+09 0.900934E+07

MATERIAL SET ----- MOMENTS OF INERTIA ABOUT GLOBAL DIRECTIONS WITH ORIGINS AT CENTROIDS -----  
 Ixx Iyy Izz Ixy Iyz Ixz  
 KG M \*\*2 KG M \*\*2 KG M \*\*2 KG M \*\*2 KG M \*\*2 KG M \*\*2  
 12 0.442734E+07 0.725578E+08 0.769852E+08 -0.154714E+07 0.276803E-06 0.122086E-05  
 1 0.118676E+07 0.215597E+08 0.227094E+08 -408270. 0.116415E-09 0.221189E-08  
 6 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00  
 5 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00  
 7 125402. 0.624421E+07 0.636593E+07 -43179.7 0.000000E+00 0.116415E-09  
 3 0.337762E+08 0.162971E+08 0.313622E+08 -0.809149E+07 2037.23 -0.493513E+07  
 4 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00  
 11 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00  
 9 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00  
 10 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00  
 8 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00 0.000000E+00  
 TOTALS FOR STRUCTURE 0.830675E+08 0.447877E+09 0.465380E+09 0.676143E+08 0.145745E+08 -0.509705E+08

MATERIAL SET ----- PRINCIPAL MOMENTS OF INERTIA ABOUT CENTROIDAL AXES -----  
 I 11 I 22 I 33 PRINCIPAL DIRECTIONS  
 KG M \*\*2 KG M \*\*2 KG M \*\*2  
 12 0.769852E+08 0.725929E+08 0.439223E+07 ( 0.00, 0.00, 1.00)(-0.02, 1.00,-0.00)( 1.00, 0.02,-0.00)  
 1 0.227094E+08 0.215678E+08 0.117858E+07 ( 0.00, 0.00, 1.00)(-0.02, 1.00, 0.00)( 1.00, 0.02,-0.00)  
 6 0.000000E+00 0.000000E+00 0.000000E+00 ( 1.00, 0.00, 0.00)( 0.00, 1.00, 0.00)( 0.00, 0.00, 1.00)  
 5 0.000000E+00 0.000000E+00 0.000000E+00 ( 1.00, 0.00, 0.00)( 0.00, 1.00, 0.00)( 0.00, 0.00, 1.00)  
 7 0.636593E+07 0.624452E+07 125098. ( 0.00, 0.00, 1.00)(-0.01, 1.00, 0.00)( 1.00, 0.01,-0.00)  
 3 0.395617E+08 0.289317E+08 0.129421E+08 ( 0.82,-0.29,-0.49)(-0.43, 0.27,-0.86)( 0.38, 0.92, 0.10)  
 4 0.000000E+00 0.000000E+00 0.000000E+00 ( 1.00, 0.00, 0.00)( 0.00, 1.00, 0.00)( 0.00, 0.00, 1.00)  
 11 0.000000E+00 0.000000E+00 0.000000E+00 ( 1.00, 0.00, 0.00)( 0.00, 1.00, 0.00)( 0.00, 0.00, 1.00)  
 9 0.000000E+00 0.000000E+00 0.000000E+00 ( 1.00, 0.00, 0.00)( 0.00, 1.00, 0.00)( 0.00, 0.00, 1.00)  
 10 0.000000E+00 0.000000E+00 0.000000E+00 ( 1.00, 0.00, 0.00)( 0.00, 1.00, 0.00)( 0.00, 0.00, 1.00)  
 8 0.000000E+00 0.000000E+00 0.000000E+00 ( 1.00, 0.00, 0.00)( 0.00, 1.00, 0.00)( 0.00, 0.00, 1.00)  
 TOTALS FOR STRUCTURE 0.474279E+09 0.458038E+09 0.640070E+08(-0.06, 0.36, 0.93)( 0.21, 0.91,-0.34)( 0.98,-0.18, 0.13)

FORCE OUTPUT GROUP ----- RESULTANT APPLIED LOAD AT ORIGIN IN GLOBAL DIRECTIONS -----  
 Fx Fy Fz Mx My Mz  
 N N N N .M N .M N .M  
 LOAD CASE 4  
 TOTALS FOR STRUCTURE 0.000000E+00 0.000000E+00 -0.184921E+07 -0.105867E+08 0.466936E+08 0.000000E+00

AVERAGE ASPECT RATIO OF STRUCTURAL ELEMENTS (EXCEPT JOINTS, BARS AND BEAMS) = 1.200  
 AVERAGE VALUE OF POISSON'S RATIO (FOR ISOTROPIC MATERIALS ONLY) = 0.2390

TOTAL TIME FOR GLOBAL MATRIX ASSEMBLY = 0.16000E-01 SEC.  
 TOTAL NUMBER OF NONZERO ENTRIES IN THE MATRIX = 118388

LOCATIONS USED DURING PRE-SOLUTION PROCESS = 459903  
 LOCATIONS AVAILABLE = 98304000

TOTAL NO. OF STRUCTURAL DEGREES OF FREEDOM = 5907  
 TOTAL NO. OF ACTIVE DEGREES OF FREEDOM = 5907  
 TOTAL NO. OF EQUATIONS = 5958  
 TOTAL NO. OF ACTIVE NODES = 985

NUMBER OF ELEMENT GROUPS = 34  
 MAXIMUM NUMBER OF ELEMENTS IN A GROUP = 32

MAXIMUM SIZE OF ELEMENT DATA RECORDS = 20601  
 MAXIMUM SIZE OF ELEMENT RESULT RECORDS = 15523  
 MAXIMUM SIZE OF ELEMENT SOLUTION RECORDS = 0  
 MAXIMUM SIZE OF ELEMENT SHAPE RECORDS = 6002  
 TOTAL SIZE OF ELEMENT DATA RECORDS = 472860  
 TOTAL SIZE OF ELEMENT RESULT RECORDS = 402847  
 TOTAL SIZE OF ELEMENT SOLUTION RECORDS = 0  
 TOTAL SIZE OF GLOBAL SOLUTION RECORD = 37848  
 TOTAL SIZE OF GLOBAL MATRIX & RHS RECORDS = 189526

TIME FOR PRE-SOLUTION PROCESS = 0.63000E-01 SEC. (ALL ELEMENT STIFFNESS MATRICES)

TIME AT CENTRAL PROCESSOR = 10:59:15 ON 14/05/21 (DAY/MTH/YR)

S O L U T I O N B Y F R O N T A L S P A R S E M A T R I X T E C H N I Q U E

=====

Solving symmetric indefinite matrix  
 Minimum degree equation re-ordering algorithm used  
 Number of nonzeros in L and U = 389982  
 Number of iterative refinement steps = 4  
 Number of positive eigenvalues = 5877  
 Number of negative eigenvalues = 51

Peak memory used during analysis and  
 symbolic factorisation (MB) = 4.69  
 Total peak memory used during solve (MB) = 8.46  
 In-memory/out-of-memory solution executed

FINAL RELATIVE ERROR CONSTANT FOR SOLUTION = 0.19809E-26

TOTAL ELAPSED TIME USED SOLVING EQUATIONS = 0 HRS 0 MINS 1 SECS

LOCATIONS USED DURING POST-SOLUTION PROCESS = 436983  
 LOCATIONS AVAILABLE = 98304000

ACTUAL TOTAL NO. EDGES IN STRUCTURE = 1565  
 ACTUAL TOTAL NO. FACES IN STRUCTURE = 576

TIME FOR POST-SOLUTION PROCESS = 0.33000 SEC.

TOTAL CPU TIME USED FOR SOLUTION = 0.88300 SEC.

TOTAL ELAPSED TIME USED FOR SOLUTION = 0 HRS 0 MINS 1 SECS

TIME AT CENTRAL PROCESSOR = 10:59:16 ON 14/05/21 (DAY/MTH/YR)

I/O STATISTICS OF MAIN DIRECT ACCESS DISK UNITS

Disk Unit Name	Disk Page Size (Bytes)	Calls to I/O Routines	Buffered Transfers	Disk Accesses	Page Table Swaps	Peak File Size (Mbytes)
PROBLEM	16384	719	1635	0	0	0.1562500E-01
FRONTAL	16384	0	0	0	0	0.1562500E-01
SHAPES	16384	46	74	0	0	0.1562500E-01
PLOT	16384	1046	1254	0	0	3.343750
RESTART	0	0	0	0	0	0.0000000E+00

\*\*\*LUSAS RUN SUCCESSFULLY COMPLETED\*\*\*



TIME AT CENTRAL PROCESSOR = 10:59:24 ON 14/05/21 (DAY/MTH/YR)

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

NLPZ 98304000  
NPGS 960  
MXELGP 32

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

IDTIME 1

LL UU UU SSSSSS AAAA SSSSSS  
LL UU UU SS SS AA AA SS SS  
LL UU UU SS AA AA SS  
LL UU UU SSSSSS AAAAAAAA SSSSSS  
LL UU UU SSSSSS AAAAAAAA SSSSSS  
LL UU UU SS AA AA SS  
LLLLLLLL UU UU SS SS AA AA SS SS  
LLLLLLLL UUUUUU SSSSSS AA AA SSSSSS

Build Information : KITBUILD03 - Feb 16 2021 02:12:17

Kit Version : 19.1-B3  
Solver Version : 19.1.1233.7156 (32-bit)

Developed by: LUSAS,  
Forge House,  
66 High Street,  
Kingston upon Thames,  
Surrey, KT1 1HN, UK  
www.lusas.com  
  
Sales Enquiries: Tel +44 (0)20 8541 1999  
Fax +44 (0)20 8549 9399  
Email: info@lusas.com  
  
Customer Support: Tel +44 (0)20 3325 0440  
Fax +44 (0)20 8549 9399  
Email: support@lusas.com

KeyID 15062 licensed on PC processor. Expires 1-07-2021  
Using Sentinel license server.  
Analysis Options : Nonlinear, Dynamics, Thermal/Field, FDS (Fast Direct Solver)  
Element Library : Plus

Solver executed : C:\Program Files (x86)\LUSAS191\Programs\Lusas\_S.exe  
Input file :

V:\100\_commesse\100\_699\571\_343\_Imp\_misti\_Ragusana\_SS194\_Sintagma.AS\L4\_VI05\_06\_Buonafede\modelli\sottostrutture\LUSASFiles32\Buonafede\_sottostr\_r02  
\Buonafede\_sottostr\_r02~03 - Fase2b.dat

Number of processors available : 4  
Maximum number of threads available : 4

Memory request for 1105Mb Succeeded

TIME AT CENTRAL PROCESSOR = 10:59:25 ON 14/05/21 (DAY/MTH/YR)

P R O B L E M 1

Viadotto Buonafede - sottostrutture

U N I T S N M K G S C

GRAVITY DIRECTION = Z ACCELERATION = -9.810

O P T I O N(S) 2 SUPPRESS NODE COORDINATE CHECKS FOR SIMILAR COORDS AND MISSING NODES

O P T I O N(S) 48 SWITCH CBF/BFP INPUT FROM FORCE/UNIT VOLUME TO ACCELERATION

O P T I O N(S) 61 ALL TWO DIMENSIONAL SLIDELINE SURFACES DEFINED WITH OUTWARD NORMALS

O P T I O N(S) 123 CLOCKWISE NODE NUMBERING

O P T I O N(S) -131 PARALLEL FRONTAL SOLVER ALGORITHM

O P T I O N(S) 242 TEMPERATURES INPUT AND OUTPUT IN DEGREES CELSIUS  
 O P T I O N(S) 250 DATAFILE HAS BEEN CREATED BY MODELLER  
 O P T I O N(S) 253 EMISSIVITY SPECIFIED IN THERMAL ENVIRONMENT PROPERTIES  
 O P T I O N(S) 259 SAVE NODAL STRESSES IN PLOT FILE TO AVOID STRESS EXTRAPOLATION IN MODELLER  
 O P T I O N(S) 272 ACTIVATE OR DEACTIVATE ELEMENTS  
 O P T I O N(S) 278 ASSIGN SIX DEGREES OF FREEDOM TO ALL THICK SHELL ELEMENT NODES  
 O P T I O N(S) -282 F SET SLOANE FRONTAL OPTIMISER AS DEFAULT  
 O P T I O N(S) 324 SPECIFY DAMPING PROPERTIES FOR JOINT PROPERTIES GENERAL EXPLICITLY  
 O P T I O N(S) 386 USE OF WEIGHTED FORCE/STIFFNESS DISTRIBUTION WITH SLIDELINES  
 O P T I O N(S) 396 IMPROVED TOP/MIDDLE/BOTTOM TRANSVERSE SHEAR STRESS CALCULATION FOR THICK SHELL ELEMENTS  
 O P T I O N(S) 399 RETAIN INACTIVE ELEMENTS IN BIRTH AND DEATH SOLUTION (OLD ANALYSIS TYPE)  
 O P T I O N(S) 414 INTRODUCE RESIDUAL BENDING FLEXIBILITY CORRECTION FOR 2-NODE THICK BEAM BTS3  
 O P T I O N(S) 416 DATA FILE CREATED IN V15.0 OR LATER  
 O P T I O N(S) 433 USE HERMITIAN SHAPE FUNCTIONS TO FORMULATE THE MASS MATRIX FOR 2-NODE THICK BEAMS

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
JSH4	ELEMENTS			
1016	1319	1288	1426	1427
1017	1325	1296	1428	1429
1018	1322	1304	1430	1431
1019	1328	1312	1432	1433
1020	1412	1414	1434	1435
1021	1413	1415	1436	1437
1022	1416	1424	1438	1439
1023	1420	1331	1440	1441
1024	1421	1425	1442	1443
1025	1422	492	1444	1445
1026	1423	714	1446	1447

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
QTS4	ELEMENTS			
1	1	3	8	7
2	3	4	9	8
3	4	5	10	9
4	5	2	6	10
5	2	12	15	6
6	12	13	16	15
7	13	11	14	16
8	11	17	18	14
9	17	20	24	18
10	20	21	25	24
11	21	22	26	25
12	22	19	23	26
13	19	28	32	23
14	28	29	33	32
15	29	30	34	33
16	30	27	31	34
17	27	36	38	31
18	36	35	37	38
19	35	40	42	37
20	40	39	41	42
21	39	44	48	41
22	44	45	49	48

23	45	46	50	49
24	46	43	47	50
25	43	52	56	47
26	52	53	57	56
27	53	54	58	57
28	54	51	55	58
29	51	60	62	55
30	60	59	61	62
31	59	64	66	61
32	64	63	65	66
33	63	68	72	65
34	68	69	73	72
35	69	70	74	73
36	70	67	71	74
37	67	76	80	71
38	76	77	81	80
39	77	78	82	81
40	78	75	79	82
41	75	83	84	79
42	83	86	89	84
43	86	87	90	89
44	87	85	88	90
45	85	92	96	88
46	92	93	97	96
47	93	94	98	97
48	94	91	95	98
53	7	8	110	109
54	8	9	111	110
55	9	10	112	111
56	10	6	100	112
57	109	110	102	101
58	110	111	103	102
59	111	112	104	103
60	112	100	99	104
64	6	15	120	100
65	15	16	121	120
66	16	14	114	121
67	100	120	115	99
68	120	121	116	115
69	121	114	113	116
71	14	18	123	114
72	114	123	122	113
77	18	24	134	123
78	24	25	135	134
79	25	26	136	135
80	26	23	126	136
81	123	134	127	122
82	134	135	128	127
83	135	136	129	128
84	136	126	125	129
89	23	32	146	126
90	32	33	147	146
91	33	34	148	147
92	34	31	138	148
93	126	146	139	125
94	146	147	140	139
95	147	148	141	140
96	148	138	137	141
99	31	38	154	138
100	38	37	150	154
101	138	154	151	137
102	154	150	149	151
105	37	42	160	150
106	42	41	156	160
107	150	160	157	149
108	160	156	155	157
113	41	48	170	156
114	48	49	171	170
115	49	50	172	171
116	50	47	162	172
117	156	170	163	155
118	170	171	164	163
119	171	172	165	164
120	172	162	161	165
125	47	56	182	162
126	56	57	183	182
127	57	58	184	183
128	58	55	174	184
129	162	182	175	161
130	182	183	176	175
131	183	184	177	176
132	184	174	173	177
135	55	62	190	174
136	62	61	186	190
137	174	190	187	173
138	190	186	185	187
141	61	66	196	186
142	66	65	192	196
143	186	196	193	185
144	196	192	191	193
149	65	72	206	192
150	72	73	207	206
151	73	74	208	207
152	74	71	198	208
153	192	206	199	191
154	206	207	200	199
155	207	208	201	200
156	208	198	197	201

161	71	80	218	198
162	80	81	219	218
163	81	82	220	219
164	82	79	210	220
165	198	218	211	197
166	218	219	212	211
167	219	220	213	212
168	220	210	209	213
170	79	84	222	210
171	210	222	221	209
175	84	89	231	222
176	89	90	232	231
177	90	88	225	232
178	222	231	226	221
179	231	232	227	226
180	232	225	224	227
185	88	96	242	225
186	96	97	243	242
187	97	98	244	243
188	98	95	234	244
189	225	242	235	224
190	242	243	236	235
191	243	244	237	236
192	244	234	233	237
197	245	247	261	260
198	247	248	262	261
199	248	249	263	262
200	249	246	255	263
201	260	261	257	256
202	261	262	258	257
203	262	263	259	258
204	263	255	254	259
208	246	265	274	255
209	265	266	275	274
210	266	264	271	275
211	255	274	272	254
212	274	275	273	272
213	275	271	270	273
215	264	276	279	271
216	271	279	278	270
221	276	281	293	279
222	281	282	294	293
223	282	283	295	294
224	283	280	289	295
225	279	293	290	278
226	293	294	291	290
227	294	295	292	291
228	295	289	288	292
233	280	297	309	289
234	297	298	310	309
235	298	299	311	310
236	299	296	305	311
237	289	309	306	288
238	309	310	307	306
239	310	311	308	307
240	311	305	304	308
243	296	313	319	305
244	313	312	317	319
245	305	319	318	304
246	319	317	316	318
249	312	321	327	317
250	321	320	325	327
251	317	327	326	316
252	327	325	324	326
257	320	329	341	325
258	329	330	342	341
259	330	331	343	342
260	331	328	337	343
261	325	341	338	324
262	341	342	339	338
263	342	343	340	339
264	343	337	336	340
269	328	345	357	337
270	345	346	358	357
271	346	347	359	358
272	347	344	353	359
273	337	357	354	336
274	357	358	355	354
275	358	359	356	355
276	359	353	352	356
279	344	361	367	353
280	361	360	365	367
281	353	367	366	352
282	367	365	364	366
285	360	369	375	365
286	369	368	373	375
287	365	375	374	364
288	375	373	372	374
293	368	377	389	373
294	377	378	390	389
295	378	379	391	390
296	379	376	385	391
297	373	389	386	372
298	389	390	387	386
299	390	391	388	387
300	391	385	384	388
305	376	393	405	385
306	393	394	406	405

307	394	395	407	406
308	395	392	401	407
309	385	405	402	384
310	405	406	403	402
311	406	407	404	403
312	407	401	400	404
314	392	408	411	401
315	401	411	410	400
319	408	413	422	411
320	413	414	423	422
321	414	412	419	423
322	411	422	420	410
323	422	423	421	420
324	423	419	418	421
329	412	425	437	419
330	425	426	438	437
331	426	427	439	438
332	427	424	433	439
333	419	437	434	418
334	437	438	435	434
335	438	439	436	435
336	439	433	432	436
337	256	257	442	441
338	257	258	443	442
339	258	259	444	443
340	259	254	440	444
341	254	272	446	440
342	272	273	447	446
343	273	270	445	447
344	270	278	448	445
345	278	290	450	448
346	290	291	451	450
347	291	292	452	451
348	292	288	449	452
349	288	306	454	449
350	306	307	455	454
351	307	308	456	455
352	308	304	453	456
353	304	318	458	453
354	318	316	457	458
355	316	326	460	457
356	326	324	459	460
357	324	338	462	459
358	338	339	463	462
359	339	340	464	463
360	340	336	461	464
361	336	354	466	461
362	354	355	467	466
363	355	356	468	467
364	356	352	465	468
365	352	366	470	465
366	366	364	469	470
367	364	374	472	469
368	374	372	471	472
369	372	386	474	471
370	386	387	475	474
371	387	388	476	475
372	388	384	473	476
373	384	402	478	473
374	402	403	479	478
375	403	404	480	479
376	404	400	477	480
377	400	410	481	477
378	410	420	483	481
379	420	421	484	483
380	421	418	482	484
381	418	434	486	482
382	434	435	487	486
383	435	436	488	487
384	436	432	485	488
385	101	102	498	496
386	102	103	499	498
387	103	104	500	499
388	104	99	490	500
389	496	498	501	497
390	498	499	502	501
391	499	500	503	502
392	500	490	491	503
393	497	501	495	492
394	501	502	494	495
395	502	503	493	494
396	503	491	489	493
397	492	495	508	506
398	495	494	509	508
399	494	493	510	509
400	493	489	504	510
401	506	508	511	507
402	508	509	512	511
403	509	510	513	512
404	510	504	505	513
405	507	511	247	245
406	511	512	248	247
407	512	513	249	248
408	513	505	246	249
409	99	115	519	490
410	115	116	520	519
411	116	113	515	520
412	490	519	521	491

413	519	520	522	521
414	520	515	516	522
415	491	521	518	489
416	521	522	517	518
417	522	516	514	517
418	489	518	525	504
419	518	517	526	525
420	517	514	523	526
421	504	525	527	505
422	525	526	528	527
423	526	523	524	528
424	505	527	265	246
425	527	528	266	265
426	528	524	264	266
427	113	122	530	515
428	515	530	531	516
429	516	531	529	514
430	514	529	532	523
431	523	532	533	524
432	524	533	276	264
433	122	127	540	530
434	127	128	541	540
435	128	129	542	541
436	129	125	535	542
437	530	540	543	531
438	540	541	544	543
439	541	542	545	544
440	542	535	536	545
441	531	543	539	529
442	543	544	538	539
443	544	545	537	538
444	545	536	534	537
445	529	539	548	532
446	539	538	549	548
447	538	537	550	549
448	537	534	546	550
449	532	548	551	533
450	548	549	552	551
451	549	550	553	552
452	550	546	547	553
453	533	551	281	276
454	551	552	282	281
455	552	553	283	282
456	553	547	280	283
457	125	139	560	535
458	139	140	561	560
459	140	141	562	561
460	141	137	555	562
461	535	560	563	536
462	560	561	564	563
463	561	562	565	564
464	562	555	556	565
465	536	563	559	534
466	563	564	558	559
467	564	565	557	558
468	565	556	554	557
469	534	559	568	546
470	559	558	569	568
471	558	557	570	569
472	557	554	566	570
473	546	568	571	547
474	568	569	572	571
475	569	570	573	572
476	570	566	567	573
477	547	571	297	280
478	571	572	298	297
479	572	573	299	298
480	573	567	296	299
481	137	151	578	555
482	151	149	575	578
483	555	578	579	556
484	578	575	576	579
485	556	579	577	554
486	579	576	574	577
487	554	577	582	566
488	577	574	580	582
489	566	582	583	567
490	582	580	581	583
491	567	583	313	296
492	583	581	312	313
493	149	157	588	575
494	157	155	585	588
495	575	588	589	576
496	588	585	586	589
497	576	589	587	574
498	589	586	584	587
499	574	587	592	580
500	587	584	590	592
501	580	592	593	581
502	592	590	591	593
503	581	593	321	312
504	593	591	320	321
505	155	163	600	585
506	163	164	601	600
507	164	165	602	601
508	165	161	595	602
509	585	600	603	586
510	600	601	604	603

511	601	602	605	604
512	602	595	596	605
513	586	603	599	584
514	603	604	598	599
515	604	605	597	598
516	605	596	594	597
517	584	599	608	590
518	599	598	609	608
519	598	597	610	609
520	597	594	606	610
521	590	608	611	591
522	608	609	612	611
523	609	610	613	612
524	610	606	607	613
525	591	611	329	320
526	611	612	330	329
527	612	613	331	330
528	613	607	328	331
529	161	175	620	595
530	175	176	621	620
531	176	177	622	621
532	177	173	615	622
533	595	620	623	596
534	620	621	624	623
535	621	622	625	624
536	622	615	616	625
537	596	623	619	594
538	623	624	618	619
539	624	625	617	618
540	625	616	614	617
541	594	619	628	606
542	619	618	629	628
543	618	617	630	629
544	617	614	626	630
545	606	628	631	607
546	628	629	632	631
547	629	630	633	632
548	630	626	627	633
549	607	631	345	328
550	631	632	346	345
551	632	633	347	346
552	633	627	344	347
553	173	187	638	615
554	187	185	635	638
555	615	638	639	616
556	638	635	636	639
557	616	639	637	614
558	639	636	634	637
559	614	637	642	626
560	637	634	640	642
561	626	642	643	627
562	642	640	641	643
563	627	643	361	344
564	643	641	360	361
565	185	193	648	635
566	193	191	645	648
567	635	648	649	636
568	648	645	646	649
569	636	649	647	634
570	649	646	644	647
571	634	647	652	640
572	647	644	650	652
573	640	652	653	641
574	652	650	651	653
575	641	653	369	360
576	653	651	368	369
577	191	199	660	645
578	199	200	661	660
579	200	201	662	661
580	201	197	655	662
581	645	660	663	646
582	660	661	664	663
583	661	662	665	664
584	662	655	656	665
585	646	663	659	644
586	663	664	658	659
587	664	665	657	658
588	665	656	654	657
589	644	659	668	650
590	659	658	669	668
591	658	657	670	669
592	657	654	666	670
593	650	668	671	651
594	668	669	672	671
595	669	670	673	672
596	670	666	667	673
597	651	671	377	368
598	671	672	378	377
599	672	673	379	378
600	673	667	376	379
601	197	211	680	655
602	211	212	681	680
603	212	213	682	681
604	213	209	675	682
605	655	680	683	656
606	680	681	684	683
607	681	682	685	684
608	682	675	676	685

609	656	683	679	654
610	683	684	678	679
611	684	685	677	678
612	685	676	674	677
613	654	679	688	666
614	679	678	689	688
615	678	677	690	689
616	677	674	686	690
617	666	688	691	667
618	688	689	692	691
619	689	690	693	692
620	690	686	687	693
621	667	691	393	376
622	691	692	394	393
623	692	693	395	394
624	693	687	392	395
625	209	221	695	675
626	675	695	696	676
627	676	696	694	674
628	674	694	697	686
629	686	697	698	687
630	687	698	408	392
631	221	226	704	695
632	226	227	705	704
633	227	224	700	705
634	695	704	706	696
635	704	705	707	706
636	705	700	701	707
637	696	706	703	694
638	706	707	702	703
639	707	701	699	702
640	694	703	710	697
641	703	702	711	710
642	702	699	708	711
643	697	710	712	698
644	710	711	713	712
645	711	708	709	713
646	698	712	413	408
647	712	713	414	413
648	713	709	412	414
649	224	235	720	700
650	235	236	721	720
651	236	237	722	721
652	237	233	715	722
653	700	720	723	701
654	720	721	724	723
655	721	722	725	724
656	722	715	716	725
657	701	723	719	699
658	723	724	718	719
659	724	725	717	718
660	725	716	714	717
661	699	719	728	708
662	719	718	729	728
663	718	717	730	729
664	717	714	726	730
665	708	728	731	709
666	728	729	732	731
667	729	730	733	732
668	730	726	727	733
669	709	731	425	412
670	731	732	426	425
671	732	733	427	426
672	733	727	424	427

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS		
	ELEMENTS		
PM3			
1015	1417	1418	1419

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS	END CONDITIONS (C=CONSTRAINED, F=FREE, R=RESTRAINED)	
	ELEMENTS		
BMI21			
49	101	102	105
50	102	103	106
51	103	104	107
52	104	99	108
61	99	115	117
62	115	116	118
63	116	113	119
70	113	122	124
73	122	127	130
74	127	128	131
75	128	129	132
76	129	125	133



85	125	139	142
86	139	140	143
87	140	141	144
88	141	137	145
97	137	151	152
98	151	149	153
103	149	157	158
104	157	155	159
109	155	163	166
110	163	164	167
111	164	165	168
112	165	161	169
121	161	175	178
122	175	176	179
123	176	177	180
124	177	173	181
133	173	187	188
134	187	185	189
139	185	193	194
140	193	191	195
145	191	199	202
146	199	200	203
147	200	201	204
148	201	197	205
157	197	211	214
158	211	212	215
159	212	213	216
160	213	209	217
169	209	221	223
172	221	226	228
173	226	227	229
174	227	224	230
181	224	235	238
182	235	236	239
183	236	237	240
184	237	233	241
193	245	247	250
194	247	248	251
195	248	249	252
196	249	246	253
205	246	265	267
206	265	266	268
207	266	264	269
214	264	276	277
217	276	281	284
218	281	282	285
219	282	283	286
220	283	280	287
229	280	297	300
230	297	298	301
231	298	299	302
232	299	296	303
241	296	313	314
242	313	312	315
247	312	321	322
248	321	320	323
253	320	329	332
254	329	330	333
255	330	331	334
256	331	328	335
265	328	345	348
266	345	346	349
267	346	347	350
268	347	344	351
277	344	361	362
278	361	360	363
283	360	369	370
284	369	368	371
289	368	377	380
290	377	378	381
291	378	379	382
292	379	376	383
301	376	393	396
302	393	394	397
303	394	395	398
304	395	392	399
313	392	408	409
316	408	413	415
317	413	414	416
318	414	412	417
325	412	425	428
326	425	426	429
327	426	427	430
328	427	424	431
673	101	735	736
674	735	734	737
675	99	739	740
676	739	738	741
677	122	743	744
678	743	742	745
679	125	747	748
680	747	746	749
681	137	751	752
682	751	750	753
683	155	755	756
684	755	754	757
685	161	759	760
686	759	758	761

687	173	763	764
688	763	762	765
689	191	767	768
690	767	766	769
691	197	771	772
692	771	770	773
693	209	775	776
694	775	774	777
695	224	779	780
696	779	778	781
697	233	783	784
698	783	782	785
699	245	787	788
700	787	786	789
701	246	791	792
702	791	790	793
703	276	795	796
704	795	794	797
705	280	799	800
706	799	798	801
707	296	803	804
708	803	802	805
709	320	807	808
710	807	806	809
711	328	811	812
712	811	810	813
713	344	815	816
714	815	814	817
715	368	819	820
716	819	818	821
717	376	823	824
718	823	822	825
719	392	827	828
720	827	826	829
721	412	831	832
722	831	830	833
723	424	835	836
724	835	834	837
725	734	839	840
726	839	838	841
727	782	843	844
728	843	842	845
729	786	847	848
730	847	846	849
731	834	851	852
732	851	850	853
733	738	855	856
734	855	854	857
735	742	859	860
736	859	858	861
737	746	863	864
738	863	862	865
739	750	867	868
740	867	866	869
741	754	871	872
742	871	870	873
743	758	875	876
744	875	874	877
745	762	879	880
746	879	878	881
747	766	883	884
748	883	882	885
749	770	887	888
750	887	886	889
751	774	891	892
752	891	890	893
753	778	895	896
754	895	894	897
755	790	899	900
756	899	898	901
757	794	903	904
758	903	902	905
759	798	907	908
760	907	906	909
761	802	911	912
762	911	910	913
763	806	915	916
764	915	914	917
765	810	919	920
766	919	918	921
767	814	923	924
768	923	922	925
769	818	927	928
770	927	926	929
771	822	931	932
772	931	930	933
773	826	935	936
774	935	934	937
775	830	939	940
776	939	938	941
777	838	942	948
778	942	943	949
779	943	944	950
780	944	945	951
781	945	946	952
782	946	947	953
783	947	846	954
784	842	955	961

785	955	956	962
786	956	957	963
787	957	958	964
788	958	959	965
789	959	960	966
790	960	850	967
791	854	968	974
792	968	969	975
793	969	970	976
794	970	971	977
795	971	972	978
796	972	973	979
797	973	898	980
798	858	981	987
799	981	982	988
800	982	983	989
801	983	984	990
802	984	985	991
803	985	986	992
804	986	902	993
805	862	994	1000
806	994	995	1001
807	995	996	1002
808	996	997	1003
809	997	998	1004
810	998	999	1005
811	999	906	1006
812	866	1007	1013
813	1007	1008	1014
814	1008	1009	1015
815	1009	1010	1016
816	1010	1011	1017
817	1011	1012	1018
818	1012	910	1019
819	870	1020	1026
820	1020	1021	1027
821	1021	1022	1028
822	1022	1023	1029
823	1023	1024	1030
824	1024	1025	1031
825	1025	914	1032
826	874	1033	1039
827	1033	1034	1040
828	1034	1035	1041
829	1035	1036	1042
830	1036	1037	1043
831	1037	1038	1044
832	1038	918	1045
833	878	1046	1052
834	1046	1047	1053
835	1047	1048	1054
836	1048	1049	1055
837	1049	1050	1056
838	1050	1051	1057
839	1051	922	1058
840	882	1059	1065
841	1059	1060	1066
842	1060	1061	1067
843	1061	1062	1068
844	1062	1063	1069
845	1063	1064	1070
846	1064	926	1071
847	886	1072	1078
848	1072	1073	1079
849	1073	1074	1080
850	1074	1075	1081
851	1075	1076	1082
852	1076	1077	1083
853	1077	930	1084
854	890	1085	1091
855	1085	1086	1092
856	1086	1087	1093
857	1087	1088	1094
858	1088	1089	1095
859	1089	1090	1096
860	1090	934	1097
861	894	1098	1104
862	1098	1099	1105
863	1099	1100	1106
864	1100	1101	1107
865	1101	1102	1108
866	1102	1103	1109
867	1103	938	1110
868	1111	1113	1114
869	1113	1112	1115
870	854	1116	1117
871	1116	1111	1118
872	1119	1121	1122
873	1121	1120	1123
874	858	1124	1125
875	1124	1119	1126
876	1127	1129	1130
877	1129	1128	1131
878	862	1132	1133
879	1132	1127	1134
880	1135	1137	1138
881	1137	1136	1139
882	866	1140	1141

883	1140	1135	1142
884	1143	1145	1146
885	1145	1144	1147
886	870	1148	1149
887	1148	1143	1150
888	1151	1153	1154
889	1153	1152	1155
890	874	1156	1157
891	1156	1151	1158
892	1159	1161	1162
893	1161	1160	1163
894	878	1164	1165
895	1164	1159	1166
896	1167	1169	1170
897	1169	1168	1171
898	882	1172	1173
899	1172	1167	1174
900	1175	1177	1178
901	1177	1176	1179
902	886	1180	1181
903	1180	1175	1182
904	1183	1185	1186
905	1185	1184	1187
906	890	1188	1189
907	1188	1183	1190
908	1191	1193	1194
909	1193	1192	1195
910	894	1196	1197
911	1196	1191	1198
912	1199	1201	1202
913	1201	1200	1203
914	898	1204	1205
915	1204	1199	1206
916	1207	1209	1210
917	1209	1208	1211
918	902	1212	1213
919	1212	1207	1214
920	1215	1217	1218
921	1217	1216	1219
922	906	1220	1221
923	1220	1215	1222
924	1223	1225	1226
925	1225	1224	1227
926	910	1228	1229
927	1228	1223	1230
928	1231	1233	1234
929	1233	1232	1235
930	914	1236	1237
931	1236	1231	1238
932	1239	1241	1242
933	1241	1240	1243
934	918	1244	1245
935	1244	1239	1246
936	1247	1249	1250
937	1249	1248	1251
938	922	1252	1253
939	1252	1247	1254
940	1255	1257	1258
941	1257	1256	1259
942	926	1260	1261
943	1260	1255	1262
944	1263	1265	1266
945	1265	1264	1267
946	930	1268	1269
947	1268	1263	1270
948	1271	1273	1274
949	1273	1272	1275
950	934	1276	1277
951	1276	1271	1278
952	1279	1281	1282
953	1281	1280	1283
954	938	1284	1285
955	1284	1279	1286
956	1287	1289	1290
957	1289	1288	1291
958	838	1292	1293
959	1292	1287	1294
960	1295	1297	1298
961	1297	1296	1299
962	846	1300	1301
963	1300	1295	1302
964	1303	1305	1306
965	1305	1304	1307
966	842	1308	1309
967	1308	1303	1310
968	1311	1313	1314
969	1313	1312	1315
970	850	1316	1317
971	1316	1311	1318
972	1319	1320	1321
973	1322	1323	1324
974	1325	1326	1327
975	1328	1329	1330
976	1331	1332	1333
977	1334	1336	1342
978	1336	1337	1343
979	1337	1338	1344
980	1338	1339	1345

981	1339	1340	1346
982	1340	1341	1347
983	1341	1335	1348
984	1335	1350	1357
985	1350	1351	1358
986	1351	1352	1359
987	1352	1353	1360
988	1353	1354	1361
989	1354	1355	1362
990	1355	1356	1363
991	1356	1349	1364
992	1365	1367	1373
993	1367	1368	1374
994	1368	1369	1375
995	1369	1370	1376
996	1370	1371	1377
997	1371	1372	1378
998	1372	1366	1379
999	1366	1381	1388
1000	1381	1382	1389
1001	1382	1383	1390
1002	1383	1384	1391
1003	1384	1385	1392
1004	1385	1386	1393
1005	1386	1387	1394
1006	1387	1380	1395
1007	1396	1397	1400
1008	1397	1398	1401
1009	1398	1399	1402
1010	1399	1334	1403
1011	1404	1405	1408
1012	1405	1406	1409
1013	1406	1407	1410
1014	1407	1365	1411

TOTAL NUMBER OF ELEMENTS = 1026  
LARGEST ELEMENT NUMBER = 1026  
LARGEST NODE NUMBER = 1447

DEFAULT SOLVER CHOSEN

NODE COORDINATES

NODE NO.	COORDINATE IN	COORDINATE IN	COORDINATE IN
	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
	M	M	M
1	0.000000E+00	0.000000E+00	0.000000E+00
2	3.87500	0.000000E+00	0.000000E+00
3	0.968750	0.000000E+00	0.000000E+00
4	1.93750	0.000000E+00	0.000000E+00
5	2.90625	0.000000E+00	0.000000E+00
6	4.13700	0.750000	0.000000E+00
7	0.262000	0.750000	0.000000E+00
8	1.23075	0.750000	0.000000E+00
9	2.19950	0.750000	0.000000E+00
10	3.16825	0.750000	0.000000E+00
11	7.25000	0.000000E+00	0.000000E+00
12	5.00000	0.000000E+00	0.000000E+00
13	6.12500	0.000000E+00	0.000000E+00
14	7.51200	0.750000	0.000000E+00
15	5.26200	0.750000	0.000000E+00
16	6.38700	0.750000	0.000000E+00
17	7.75000	0.000000E+00	0.000000E+00
18	8.01200	0.750000	0.000000E+00
19	11.6250	0.000000E+00	0.000000E+00
20	8.71875	0.000000E+00	0.000000E+00
21	9.68750	0.000000E+00	0.000000E+00
22	10.6562	0.000000E+00	0.000000E+00
23	11.8870	0.750000	0.000000E+00
24	8.98075	0.750000	0.000000E+00
25	9.94950	0.750000	0.000000E+00
26	10.9182	0.750000	0.000000E+00
27	15.5000	0.000000E+00	0.000000E+00
28	12.5938	0.000000E+00	0.000000E+00
29	13.5625	0.000000E+00	0.000000E+00
30	14.5313	0.000000E+00	0.000000E+00
31	15.7620	0.750000	0.000000E+00
32	12.8557	0.750000	0.000000E+00
33	13.8245	0.750000	0.000000E+00
34	14.7933	0.750000	0.000000E+00
35	17.2500	0.000000E+00	0.000000E+00
36	16.3750	0.000000E+00	0.000000E+00
37	17.5120	0.750000	0.000000E+00
38	16.6370	0.750000	0.000000E+00
39	19.3750	0.000000E+00	0.000000E+00
40	18.3125	0.000000E+00	0.000000E+00
41	19.6370	0.750000	0.000000E+00
42	18.5745	0.750000	0.000000E+00
43	23.2500	0.000000E+00	0.000000E+00
44	20.3438	0.000000E+00	0.000000E+00
45	21.3125	0.000000E+00	0.000000E+00

46	22.2813	0.000000E+00	0.000000E+00
47	23.5120	0.750000	0.000000E+00
48	20.6058	0.750000	0.000000E+00
49	21.5745	0.750000	0.000000E+00
50	22.5433	0.750000	0.000000E+00
51	27.1250	0.000000E+00	0.000000E+00
52	24.2187	0.000000E+00	0.000000E+00
53	25.1875	0.000000E+00	0.000000E+00
54	26.1563	0.000000E+00	0.000000E+00
55	27.3870	0.750000	0.000000E+00
56	24.4807	0.750000	0.000000E+00
57	25.4495	0.750000	0.000000E+00
58	26.4183	0.750000	0.000000E+00
59	29.2500	0.000000E+00	0.000000E+00
60	28.1875	0.000000E+00	0.000000E+00
61	29.5120	0.750000	0.000000E+00
62	28.4495	0.750000	0.000000E+00
63	31.0000	0.000000E+00	0.000000E+00
64	30.1250	0.000000E+00	0.000000E+00
65	31.2620	0.750000	0.000000E+00
66	30.3870	0.750000	0.000000E+00
67	34.8750	0.000000E+00	0.000000E+00
68	31.9687	0.000000E+00	0.000000E+00
69	32.9375	0.000000E+00	0.000000E+00
70	33.9062	0.000000E+00	0.000000E+00
71	35.1370	0.750000	0.000000E+00
72	32.2308	0.750000	0.000000E+00
73	33.1995	0.750000	0.000000E+00
74	34.1682	0.750000	0.000000E+00
75	38.7500	0.000000E+00	0.000000E+00
76	35.8438	0.000000E+00	0.000000E+00
77	36.8125	0.000000E+00	0.000000E+00
78	37.7813	0.000000E+00	0.000000E+00
79	39.0120	0.750000	0.000000E+00
80	36.1058	0.750000	0.000000E+00
81	37.0745	0.750000	0.000000E+00
82	38.0433	0.750000	0.000000E+00
83	39.2500	0.000000E+00	0.000000E+00
84	39.5120	0.750000	0.000000E+00
85	42.6250	0.000000E+00	0.000000E+00
86	40.3750	0.000000E+00	0.000000E+00
87	41.5000	0.000000E+00	0.000000E+00
88	42.8870	0.750000	0.000000E+00
89	40.6370	0.750000	0.000000E+00
90	41.7620	0.750000	0.000000E+00
91	46.5000	0.000000E+00	0.000000E+00
92	43.5938	0.000000E+00	0.000000E+00
93	44.5625	0.000000E+00	0.000000E+00
94	45.5312	0.000000E+00	0.000000E+00
95	46.7620	0.750000	0.000000E+00
96	43.8557	0.750000	0.000000E+00
97	44.8245	0.750000	0.000000E+00
98	45.7933	0.750000	0.000000E+00
99	4.76600	2.55000	0.000000E+00
100	4.45150	1.65000	0.000000E+00
101	0.891000	2.55000	0.000000E+00
102	1.85975	2.55000	0.000000E+00
103	2.82850	2.55000	0.000000E+00
104	3.79725	2.55000	0.000000E+00
105	0.891000	3.55000	0.000000E+00
106	1.85975	3.55000	0.000000E+00
107	2.82850	3.55000	0.000000E+00
108	3.79725	3.55000	0.000000E+00
109	0.576500	1.65000	0.000000E+00
110	1.54525	1.65000	0.000000E+00
111	2.51400	1.65000	0.000000E+00
112	3.48275	1.65000	0.000000E+00
113	8.14100	2.55000	0.000000E+00
114	7.82650	1.65000	0.000000E+00
115	5.89100	2.55000	0.000000E+00
116	7.01600	2.55000	0.000000E+00
117	4.76600	3.55000	0.000000E+00
118	5.89100	3.55000	0.000000E+00
119	7.01600	3.55000	0.000000E+00
120	5.57650	1.65000	0.000000E+00
121	6.70150	1.65000	0.000000E+00
122	8.64100	2.55000	0.000000E+00
123	8.32650	1.65000	0.000000E+00
124	8.14100	3.55000	0.000000E+00
125	12.5160	2.55000	0.000000E+00
126	12.2015	1.65000	0.000000E+00
127	9.60975	2.55000	0.000000E+00
128	10.5785	2.55000	0.000000E+00
129	11.5473	2.55000	0.000000E+00
130	8.64100	3.55000	0.000000E+00
131	9.60975	3.55000	0.000000E+00
132	10.5785	3.55000	0.000000E+00
133	11.5473	3.55000	0.000000E+00
134	9.29525	1.65000	0.000000E+00
135	10.2640	1.65000	0.000000E+00
136	11.2327	1.65000	0.000000E+00
137	16.3910	2.55000	0.000000E+00
138	16.0765	1.65000	0.000000E+00
139	13.4848	2.55000	0.000000E+00
140	14.4535	2.55000	0.000000E+00
141	15.4223	2.55000	0.000000E+00
142	12.5160	3.55000	0.000000E+00
143	13.4848	3.55000	0.000000E+00

144	14.4535	3.55000	0.000000E+00
145	15.4223	3.55000	0.000000E+00
146	13.1702	1.65000	0.000000E+00
147	14.1390	1.65000	0.000000E+00
148	15.1078	1.65000	0.000000E+00
149	18.1410	2.55000	0.000000E+00
150	17.8265	1.65000	0.000000E+00
151	17.2660	2.55000	0.000000E+00
152	16.3910	3.55000	0.000000E+00
153	17.2660	3.55000	0.000000E+00
154	16.9515	1.65000	0.000000E+00
155	20.2660	2.55000	0.000000E+00
156	19.9515	1.65000	0.000000E+00
157	19.2035	2.55000	0.000000E+00
158	18.1410	3.55000	0.000000E+00
159	19.2035	3.55000	0.000000E+00
160	18.8890	1.65000	0.000000E+00
161	24.1410	2.55000	0.000000E+00
162	23.8265	1.65000	0.000000E+00
163	21.2347	2.55000	0.000000E+00
164	22.2035	2.55000	0.000000E+00
165	23.1722	2.55000	0.000000E+00
166	20.2660	3.55000	0.000000E+00
167	21.2347	3.55000	0.000000E+00
168	22.2035	3.55000	0.000000E+00
169	23.1722	3.55000	0.000000E+00
170	20.9202	1.65000	0.000000E+00
171	21.8890	1.65000	0.000000E+00
172	22.8578	1.65000	0.000000E+00
173	28.0160	2.55000	0.000000E+00
174	27.7015	1.65000	0.000000E+00
175	25.1097	2.55000	0.000000E+00
176	26.0785	2.55000	0.000000E+00
177	27.0473	2.55000	0.000000E+00
178	24.1410	3.55000	0.000000E+00
179	25.1097	3.55000	0.000000E+00
180	26.0785	3.55000	0.000000E+00
181	27.0473	3.55000	0.000000E+00
182	24.7952	1.65000	0.000000E+00
183	25.7640	1.65000	0.000000E+00
184	26.7328	1.65000	0.000000E+00
185	30.1410	2.55000	0.000000E+00
186	29.8265	1.65000	0.000000E+00
187	29.0785	2.55000	0.000000E+00
188	28.0160	3.55000	0.000000E+00
189	29.0785	3.55000	0.000000E+00
190	28.7640	1.65000	0.000000E+00
191	31.8910	2.55000	0.000000E+00
192	31.5765	1.65000	0.000000E+00
193	31.0160	2.55000	0.000000E+00
194	30.1410	3.55000	0.000000E+00
195	31.0160	3.55000	0.000000E+00
196	30.7015	1.65000	0.000000E+00
197	35.7660	2.55000	0.000000E+00
198	35.4515	1.65000	0.000000E+00
199	32.8597	2.55000	0.000000E+00
200	33.8285	2.55000	0.000000E+00
201	34.7972	2.55000	0.000000E+00
202	31.8910	3.55000	0.000000E+00
203	32.8597	3.55000	0.000000E+00
204	33.8285	3.55000	0.000000E+00
205	34.7972	3.55000	0.000000E+00
206	32.5453	1.65000	0.000000E+00
207	33.5140	1.65000	0.000000E+00
208	34.4827	1.65000	0.000000E+00
209	39.6410	2.55000	0.000000E+00
210	39.3265	1.65000	0.000000E+00
211	36.7347	2.55000	0.000000E+00
212	37.7035	2.55000	0.000000E+00
213	38.6723	2.55000	0.000000E+00
214	35.7660	3.55000	0.000000E+00
215	36.7347	3.55000	0.000000E+00
216	37.7035	3.55000	0.000000E+00
217	38.6723	3.55000	0.000000E+00
218	36.4202	1.65000	0.000000E+00
219	37.3890	1.65000	0.000000E+00
220	38.3578	1.65000	0.000000E+00
221	40.1410	2.55000	0.000000E+00
222	39.8265	1.65000	0.000000E+00
223	39.6410	3.55000	0.000000E+00
224	43.5160	2.55000	0.000000E+00
225	43.2015	1.65000	0.000000E+00
226	41.2660	2.55000	0.000000E+00
227	42.3910	2.55000	0.000000E+00
228	40.1410	3.55000	0.000000E+00
229	41.2660	3.55000	0.000000E+00
230	42.3910	3.55000	0.000000E+00
231	40.9515	1.65000	0.000000E+00
232	42.0765	1.65000	0.000000E+00
233	47.3910	2.55000	0.000000E+00
234	47.0765	1.65000	0.000000E+00
235	44.4848	2.55000	0.000000E+00
236	45.4535	2.55000	0.000000E+00
237	46.4222	2.55000	0.000000E+00
238	43.5160	3.55000	0.000000E+00
239	44.4848	3.55000	0.000000E+00
240	45.4535	3.55000	0.000000E+00
241	46.4222	3.55000	0.000000E+00

242	44.1702	1.65000	0.000000E+00
243	45.1390	1.65000	0.000000E+00
244	46.1077	1.65000	0.000000E+00
245	3.18000	9.10000	0.000000E+00
246	7.05500	9.10000	0.000000E+00
247	4.14875	9.10000	0.000000E+00
248	5.11750	9.10000	0.000000E+00
249	6.08625	9.10000	0.000000E+00
250	3.18000	10.1000	0.000000E+00
251	4.14875	10.1000	0.000000E+00
252	5.11750	10.1000	0.000000E+00
253	6.08625	10.1000	0.000000E+00
254	7.61400	10.7000	0.000000E+00
255	7.33450	9.90000	0.000000E+00
256	3.73900	10.7000	0.000000E+00
257	4.70775	10.7000	0.000000E+00
258	5.67650	10.7000	0.000000E+00
259	6.64525	10.7000	0.000000E+00
260	3.45950	9.90000	0.000000E+00
261	4.42825	9.90000	0.000000E+00
262	5.39700	9.90000	0.000000E+00
263	6.36575	9.90000	0.000000E+00
264	10.4300	9.10000	0.000000E+00
265	8.18000	9.10000	0.000000E+00
266	9.30500	9.10000	0.000000E+00
267	7.05500	10.1000	0.000000E+00
268	8.18000	10.1000	0.000000E+00
269	9.30500	10.1000	0.000000E+00
270	10.9890	10.7000	0.000000E+00
271	10.7095	9.90000	0.000000E+00
272	8.73900	10.7000	0.000000E+00
273	9.86400	10.7000	0.000000E+00
274	8.45950	9.90000	0.000000E+00
275	9.58450	9.90000	0.000000E+00
276	10.9300	9.10000	0.000000E+00
277	10.4300	10.1000	0.000000E+00
278	11.4890	10.7000	0.000000E+00
279	11.2095	9.90000	0.000000E+00
280	14.8050	9.10000	0.000000E+00
281	11.8987	9.10000	0.000000E+00
282	12.8675	9.10000	0.000000E+00
283	13.8362	9.10000	0.000000E+00
284	10.9300	10.1000	0.000000E+00
285	11.8987	10.1000	0.000000E+00
286	12.8675	10.1000	0.000000E+00
287	13.8362	10.1000	0.000000E+00
288	15.3640	10.7000	0.000000E+00
289	15.0845	9.90000	0.000000E+00
290	12.4577	10.7000	0.000000E+00
291	13.4265	10.7000	0.000000E+00
292	14.3952	10.7000	0.000000E+00
293	12.1782	9.90000	0.000000E+00
294	13.1470	9.90000	0.000000E+00
295	14.1157	9.90000	0.000000E+00
296	18.6800	9.10000	0.000000E+00
297	15.7737	9.10000	0.000000E+00
298	16.7425	9.10000	0.000000E+00
299	17.7113	9.10000	0.000000E+00
300	14.8050	10.1000	0.000000E+00
301	15.7737	10.1000	0.000000E+00
302	16.7425	10.1000	0.000000E+00
303	17.7113	10.1000	0.000000E+00
304	19.2390	10.7000	0.000000E+00
305	18.9595	9.90000	0.000000E+00
306	16.3328	10.7000	0.000000E+00
307	17.3015	10.7000	0.000000E+00
308	18.2703	10.7000	0.000000E+00
309	16.0532	9.90000	0.000000E+00
310	17.0220	9.90000	0.000000E+00
311	17.9908	9.90000	0.000000E+00
312	20.4300	9.10000	0.000000E+00
313	19.5550	9.10000	0.000000E+00
314	18.6800	10.1000	0.000000E+00
315	19.5550	10.1000	0.000000E+00
316	20.9890	10.7000	0.000000E+00
317	20.7095	9.90000	0.000000E+00
318	20.1140	10.7000	0.000000E+00
319	19.8345	9.90000	0.000000E+00
320	22.5550	9.10000	0.000000E+00
321	21.4925	9.10000	0.000000E+00
322	20.4300	10.1000	0.000000E+00
323	21.4925	10.1000	0.000000E+00
324	23.1140	10.7000	0.000000E+00
325	22.8345	9.90000	0.000000E+00
326	22.0515	10.7000	0.000000E+00
327	21.7720	9.90000	0.000000E+00
328	26.4300	9.10000	0.000000E+00
329	23.5237	9.10000	0.000000E+00
330	24.4925	9.10000	0.000000E+00
331	25.4612	9.10000	0.000000E+00
332	22.5550	10.1000	0.000000E+00
333	23.5237	10.1000	0.000000E+00
334	24.4925	10.1000	0.000000E+00
335	25.4612	10.1000	0.000000E+00
336	26.9890	10.7000	0.000000E+00
337	26.7095	9.90000	0.000000E+00
338	24.0827	10.7000	0.000000E+00
339	25.0515	10.7000	0.000000E+00



340	26.0202	10.7000	0.000000E+00
341	23.8032	9.90000	0.000000E+00
342	24.7720	9.90000	0.000000E+00
343	25.7407	9.90000	0.000000E+00
344	30.3050	9.10000	0.000000E+00
345	27.3987	9.10000	0.000000E+00
346	28.3675	9.10000	0.000000E+00
347	29.3363	9.10000	0.000000E+00
348	26.4300	10.1000	0.000000E+00
349	27.3987	10.1000	0.000000E+00
350	28.3675	10.1000	0.000000E+00
351	29.3363	10.1000	0.000000E+00
352	30.8640	10.7000	0.000000E+00
353	30.5845	9.90000	0.000000E+00
354	27.9577	10.7000	0.000000E+00
355	28.9265	10.7000	0.000000E+00
356	29.8953	10.7000	0.000000E+00
357	27.6783	9.90000	0.000000E+00
358	28.6470	9.90000	0.000000E+00
359	29.6158	9.90000	0.000000E+00
360	32.4300	9.10000	0.000000E+00
361	31.3675	9.10000	0.000000E+00
362	30.3050	10.1000	0.000000E+00
363	31.3675	10.1000	0.000000E+00
364	32.9890	10.7000	0.000000E+00
365	32.7095	9.90000	0.000000E+00
366	31.9265	10.7000	0.000000E+00
367	31.6470	9.90000	0.000000E+00
368	34.1800	9.10000	0.000000E+00
369	33.3050	9.10000	0.000000E+00
370	32.4300	10.1000	0.000000E+00
371	33.3050	10.1000	0.000000E+00
372	34.7390	10.7000	0.000000E+00
373	34.4595	9.90000	0.000000E+00
374	33.8640	10.7000	0.000000E+00
375	33.5845	9.90000	0.000000E+00
376	38.0550	9.10000	0.000000E+00
377	35.1487	9.10000	0.000000E+00
378	36.1175	9.10000	0.000000E+00
379	37.0862	9.10000	0.000000E+00
380	34.1800	10.1000	0.000000E+00
381	35.1487	10.1000	0.000000E+00
382	36.1175	10.1000	0.000000E+00
383	37.0862	10.1000	0.000000E+00
384	38.6140	10.7000	0.000000E+00
385	38.3345	9.90000	0.000000E+00
386	35.7077	10.7000	0.000000E+00
387	36.6765	10.7000	0.000000E+00
388	37.6453	10.7000	0.000000E+00
389	35.4282	9.90000	0.000000E+00
390	36.3970	9.90000	0.000000E+00
391	37.3657	9.90000	0.000000E+00
392	41.9300	9.10000	0.000000E+00
393	39.0237	9.10000	0.000000E+00
394	39.9925	9.10000	0.000000E+00
395	40.9613	9.10000	0.000000E+00
396	38.0550	10.1000	0.000000E+00
397	39.0237	10.1000	0.000000E+00
398	39.9925	10.1000	0.000000E+00
399	40.9613	10.1000	0.000000E+00
400	42.4890	10.7000	0.000000E+00
401	42.2095	9.90000	0.000000E+00
402	39.5827	10.7000	0.000000E+00
403	40.5515	10.7000	0.000000E+00
404	41.5203	10.7000	0.000000E+00
405	39.3032	9.90000	0.000000E+00
406	40.2720	9.90000	0.000000E+00
407	41.2408	9.90000	0.000000E+00
408	42.4300	9.10000	0.000000E+00
409	41.9300	10.1000	0.000000E+00
410	42.9890	10.7000	0.000000E+00
411	42.7095	9.90000	0.000000E+00
412	45.8050	9.10000	0.000000E+00
413	43.5550	9.10000	0.000000E+00
414	44.6800	9.10000	0.000000E+00
415	42.4300	10.1000	0.000000E+00
416	43.5550	10.1000	0.000000E+00
417	44.6800	10.1000	0.000000E+00
418	46.3640	10.7000	0.000000E+00
419	46.0845	9.90000	0.000000E+00
420	44.1140	10.7000	0.000000E+00
421	45.2390	10.7000	0.000000E+00
422	43.8345	9.90000	0.000000E+00
423	44.9595	9.90000	0.000000E+00
424	49.6800	9.10000	0.000000E+00
425	46.7737	9.10000	0.000000E+00
426	47.7425	9.10000	0.000000E+00
427	48.7112	9.10000	0.000000E+00
428	45.8050	10.1000	0.000000E+00
429	46.7737	10.1000	0.000000E+00
430	47.7425	10.1000	0.000000E+00
431	48.7112	10.1000	0.000000E+00
432	50.2390	10.7000	0.000000E+00
433	49.9595	9.90000	0.000000E+00
434	47.3328	10.7000	0.000000E+00
435	48.3015	10.7000	0.000000E+00
436	49.2702	10.7000	0.000000E+00
437	47.0533	9.90000	0.000000E+00

438	48.0220	9.90000	0.000000E+00
439	48.9907	9.90000	0.000000E+00
440	7.87600	11.4500	0.000000E+00
441	4.00100	11.4500	0.000000E+00
442	4.96975	11.4500	0.000000E+00
443	5.93850	11.4500	0.000000E+00
444	6.90725	11.4500	0.000000E+00
445	11.2510	11.4500	0.000000E+00
446	9.00100	11.4500	0.000000E+00
447	10.1260	11.4500	0.000000E+00
448	11.7510	11.4500	0.000000E+00
449	15.6260	11.4500	0.000000E+00
450	12.7197	11.4500	0.000000E+00
451	13.6885	11.4500	0.000000E+00
452	14.6572	11.4500	0.000000E+00
453	19.5010	11.4500	0.000000E+00
454	16.5948	11.4500	0.000000E+00
455	17.5635	11.4500	0.000000E+00
456	18.5323	11.4500	0.000000E+00
457	21.2510	11.4500	0.000000E+00
458	20.3760	11.4500	0.000000E+00
459	23.3760	11.4500	0.000000E+00
460	22.3135	11.4500	0.000000E+00
461	27.2510	11.4500	0.000000E+00
462	24.3447	11.4500	0.000000E+00
463	25.3135	11.4500	0.000000E+00
464	26.2823	11.4500	0.000000E+00
465	31.1260	11.4500	0.000000E+00
466	28.2197	11.4500	0.000000E+00
467	29.1885	11.4500	0.000000E+00
468	30.1573	11.4500	0.000000E+00
469	33.2510	11.4500	0.000000E+00
470	32.1885	11.4500	0.000000E+00
471	35.0010	11.4500	0.000000E+00
472	34.1260	11.4500	0.000000E+00
473	38.8760	11.4500	0.000000E+00
474	35.9697	11.4500	0.000000E+00
475	36.9385	11.4500	0.000000E+00
476	37.9073	11.4500	0.000000E+00
477	42.7510	11.4500	0.000000E+00
478	39.8447	11.4500	0.000000E+00
479	40.8135	11.4500	0.000000E+00
480	41.7823	11.4500	0.000000E+00
481	43.2510	11.4500	0.000000E+00
482	46.6260	11.4500	0.000000E+00
483	44.3760	11.4500	0.000000E+00
484	45.5010	11.4500	0.000000E+00
485	50.5010	11.4500	0.000000E+00
486	47.5948	11.4500	0.000000E+00
487	48.5635	11.4500	0.000000E+00
488	49.5323	11.4500	0.000000E+00
489	5.91050	5.82500	0.000000E+00
490	5.14750	3.64167	0.000000E+00
491	5.52900	4.73333	0.000000E+00
492	2.03550	5.82500	0.000000E+00
493	4.94175	5.82500	0.000000E+00
494	3.97300	5.82500	0.000000E+00
495	3.00425	5.82500	0.000000E+00
496	1.27250	3.64167	0.000000E+00
497	1.65400	4.73333	0.000000E+00
498	2.24125	3.64167	0.000000E+00
499	3.21000	3.64167	0.000000E+00
500	4.17875	3.64167	0.000000E+00
501	2.62275	4.73333	0.000000E+00
502	3.59150	4.73333	0.000000E+00
503	4.56025	4.73333	0.000000E+00
504	6.29200	6.91667	0.000000E+00
505	6.67350	8.00833	0.000000E+00
506	2.41700	6.91667	0.000000E+00
507	2.79850	8.00833	0.000000E+00
508	3.38575	6.91667	0.000000E+00
509	4.35450	6.91667	0.000000E+00
510	5.32325	6.91667	0.000000E+00
511	3.76725	8.00833	0.000000E+00
512	4.73600	8.00833	0.000000E+00
513	5.70475	8.00833	0.000000E+00
514	9.28550	5.82500	0.000000E+00
515	8.52250	3.64167	0.000000E+00
516	8.90400	4.73333	0.000000E+00
517	8.16050	5.82500	0.000000E+00
518	7.03550	5.82500	0.000000E+00
519	6.27250	3.64167	0.000000E+00
520	7.39750	3.64167	0.000000E+00
521	6.65400	4.73333	0.000000E+00
522	7.77900	4.73333	0.000000E+00
523	9.66700	6.91667	0.000000E+00
524	10.0485	8.00833	0.000000E+00
525	7.41700	6.91667	0.000000E+00
526	8.54200	6.91667	0.000000E+00
527	7.79850	8.00833	0.000000E+00
528	8.92350	8.00833	0.000000E+00
529	9.78550	5.82500	0.000000E+00
530	9.02250	3.64167	0.000000E+00
531	9.40400	4.73333	0.000000E+00
532	10.1670	6.91667	0.000000E+00
533	10.5485	8.00833	0.000000E+00
534	13.6605	5.82500	0.000000E+00
535	12.8975	3.64167	0.000000E+00

536	13.2790	4.73333	0.00000E+00
537	12.6917	5.82500	0.00000E+00
538	11.7230	5.82500	0.00000E+00
539	10.7542	5.82500	0.00000E+00
540	9.99125	3.64167	0.00000E+00
541	10.9600	3.64167	0.00000E+00
542	11.9288	3.64167	0.00000E+00
543	10.3727	4.73333	0.00000E+00
544	11.3415	4.73333	0.00000E+00
545	12.3102	4.73333	0.00000E+00
546	14.0420	6.91667	0.00000E+00
547	14.4235	8.00833	0.00000E+00
548	11.1357	6.91667	0.00000E+00
549	12.1045	6.91667	0.00000E+00
550	13.0732	6.91667	0.00000E+00
551	11.5172	8.00833	0.00000E+00
552	12.4860	8.00833	0.00000E+00
553	13.4548	8.00833	0.00000E+00
554	17.5355	5.82500	0.00000E+00
555	16.7725	3.64167	0.00000E+00
556	17.1540	4.73333	0.00000E+00
557	16.5668	5.82500	0.277556E-16
558	15.5980	5.82500	0.277556E-16
559	14.6292	5.82500	0.277556E-16
560	13.8663	3.64167	0.00000E+00
561	14.8350	3.64167	0.00000E+00
562	15.8038	3.64167	0.00000E+00
563	14.2477	4.73333	0.00000E+00
564	15.2165	4.73333	0.00000E+00
565	16.1853	4.73333	0.00000E+00
566	17.9170	6.91667	0.00000E+00
567	18.2985	8.00833	0.00000E+00
568	15.0107	6.91667	0.00000E+00
569	15.9795	6.91667	0.00000E+00
570	16.9483	6.91667	0.00000E+00
571	15.3922	8.00833	0.00000E+00
572	16.3610	8.00833	0.00000E+00
573	17.3298	8.00833	0.00000E+00
574	19.2855	5.82500	0.00000E+00
575	18.5225	3.64167	0.00000E+00
576	18.9040	4.73333	0.00000E+00
577	18.4105	5.82500	0.00000E+00
578	17.6475	3.64167	0.00000E+00
579	18.0290	4.73333	0.00000E+00
580	19.6670	6.91667	0.00000E+00
581	20.0485	8.00833	0.00000E+00
582	18.7920	6.91667	0.00000E+00
583	19.1735	8.00833	0.00000E+00
584	21.4105	5.82500	0.00000E+00
585	20.6475	3.64167	0.00000E+00
586	21.0290	4.73333	0.00000E+00
587	20.3480	5.82500	0.00000E+00
588	19.5850	3.64167	0.00000E+00
589	19.9665	4.73333	0.00000E+00
590	21.7920	6.91667	0.00000E+00
591	22.1735	8.00833	0.00000E+00
592	20.7295	6.91667	0.00000E+00
593	21.1110	8.00833	0.00000E+00
594	25.2855	5.82500	0.00000E+00
595	24.5225	3.64167	0.00000E+00
596	24.9040	4.73333	0.00000E+00
597	24.3167	5.82500	0.00000E+00
598	23.3480	5.82500	0.00000E+00
599	22.3793	5.82500	0.00000E+00
600	21.6163	3.64167	0.00000E+00
601	22.5850	3.64167	0.00000E+00
602	23.5537	3.64167	0.00000E+00
603	21.9977	4.73333	0.00000E+00
604	22.9665	4.73333	0.00000E+00
605	23.9352	4.73333	0.00000E+00
606	25.6670	6.91667	0.00000E+00
607	26.0485	8.00833	0.00000E+00
608	22.7607	6.91667	0.00000E+00
609	23.7295	6.91667	0.00000E+00
610	24.6982	6.91667	0.00000E+00
611	23.1422	8.00833	0.00000E+00
612	24.1110	8.00833	0.00000E+00
613	25.0798	8.00833	0.00000E+00
614	29.1605	5.82500	0.00000E+00
615	28.3975	3.64167	0.00000E+00
616	28.7790	4.73333	0.00000E+00
617	28.1918	5.82500	0.00000E+00
618	27.2230	5.82500	0.00000E+00
619	26.2542	5.82500	0.00000E+00
620	25.4913	3.64167	0.00000E+00
621	26.4600	3.64167	0.00000E+00
622	27.4288	3.64167	0.00000E+00
623	25.8727	4.73333	0.00000E+00
624	26.8415	4.73333	0.00000E+00
625	27.8103	4.73333	0.00000E+00
626	29.5420	6.91667	0.00000E+00
627	29.9235	8.00833	0.00000E+00
628	26.6358	6.91667	0.00000E+00
629	27.6045	6.91667	0.00000E+00
630	28.5733	6.91667	0.00000E+00
631	27.0173	8.00833	0.00000E+00
632	27.9860	8.00833	0.00000E+00
633	28.9548	8.00833	0.00000E+00

634	31.2855	5.82500	0.000000E+00
635	30.5225	3.64167	0.000000E+00
636	30.9040	4.73333	0.000000E+00
637	30.2230	5.82500	0.000000E+00
638	29.4600	3.64167	0.000000E+00
639	29.8415	4.73333	0.000000E+00
640	31.6670	6.91667	0.000000E+00
641	32.0485	8.00833	0.000000E+00
642	30.6045	6.91667	0.000000E+00
643	30.9860	8.00833	0.000000E+00
644	33.0355	5.82500	0.000000E+00
645	32.2725	3.64167	0.000000E+00
646	32.6540	4.73333	0.000000E+00
647	32.1605	5.82500	0.000000E+00
648	31.3975	3.64167	0.000000E+00
649	31.7790	4.73333	0.000000E+00
650	33.4170	6.91667	0.000000E+00
651	33.7985	8.00833	0.000000E+00
652	32.5420	6.91667	0.000000E+00
653	32.9235	8.00833	0.000000E+00
654	36.9105	5.82500	0.000000E+00
655	36.1475	3.64167	0.000000E+00
656	36.5290	4.73333	0.000000E+00
657	35.9417	5.82500	0.124900E-15
658	34.9730	5.82500	0.971445E-16
659	34.0042	5.82500	0.971445E-16
660	33.2413	3.64167	0.000000E+00
661	34.2100	3.64167	0.000000E+00
662	35.1787	3.64167	0.000000E+00
663	33.6227	4.73333	0.000000E+00
664	34.5915	4.73333	0.000000E+00
665	35.5602	4.73333	0.000000E+00
666	37.2920	6.91667	0.000000E+00
667	37.6735	8.00833	0.000000E+00
668	34.3857	6.91667	0.000000E+00
669	35.3545	6.91667	0.000000E+00
670	36.3233	6.91667	0.000000E+00
671	34.7672	8.00833	0.000000E+00
672	35.7360	8.00833	0.000000E+00
673	36.7047	8.00833	0.000000E+00
674	40.7855	5.82500	0.000000E+00
675	40.0225	3.64167	0.000000E+00
676	40.4040	4.73333	0.000000E+00
677	39.8168	5.82500	-0.832667E-16
678	38.8480	5.82500	-0.832667E-16
679	37.8793	5.82500	-0.832667E-16
680	37.1162	3.64167	0.000000E+00
681	38.0850	3.64167	0.000000E+00
682	39.0538	3.64167	0.000000E+00
683	37.4978	4.73333	0.000000E+00
684	38.4665	4.73333	0.000000E+00
685	39.4353	4.73333	0.000000E+00
686	41.1670	6.91667	0.000000E+00
687	41.5485	8.00833	0.000000E+00
688	38.2607	6.91667	0.000000E+00
689	39.2295	6.91667	0.000000E+00
690	40.1983	6.91667	0.000000E+00
691	38.6422	8.00833	0.000000E+00
692	39.6110	8.00833	0.000000E+00
693	40.5798	8.00833	0.000000E+00
694	41.2855	5.82500	0.000000E+00
695	40.5225	3.64167	0.000000E+00
696	40.9040	4.73333	0.000000E+00
697	41.6670	6.91667	0.000000E+00
698	42.0485	8.00833	0.000000E+00
699	44.6605	5.82500	0.000000E+00
700	43.8975	3.64167	0.000000E+00
701	44.2790	4.73333	0.000000E+00
702	43.5355	5.82500	0.000000E+00
703	42.4105	5.82500	0.000000E+00
704	41.6475	3.64167	0.000000E+00
705	42.7725	3.64167	0.000000E+00
706	42.0290	4.73333	0.000000E+00
707	43.1540	4.73333	0.000000E+00
708	45.0420	6.91667	0.000000E+00
709	45.4235	8.00833	0.000000E+00
710	42.7920	6.91667	0.000000E+00
711	43.9170	6.91667	0.000000E+00
712	43.1735	8.00833	0.000000E+00
713	44.2985	8.00833	0.000000E+00
714	48.5355	5.82500	0.000000E+00
715	47.7725	3.64167	0.000000E+00
716	48.1540	4.73333	0.000000E+00
717	47.5668	5.82500	0.000000E+00
718	46.5980	5.82500	0.000000E+00
719	45.6292	5.82500	0.000000E+00
720	44.8663	3.64167	0.000000E+00
721	45.8350	3.64167	0.000000E+00
722	46.8037	3.64167	0.000000E+00
723	45.2477	4.73333	0.000000E+00
724	46.2165	4.73333	0.000000E+00
725	47.1852	4.73333	0.000000E+00
726	48.9170	6.91667	0.000000E+00
727	49.2985	8.00833	0.000000E+00
728	46.0108	6.91667	0.000000E+00
729	46.9795	6.91667	0.000000E+00
730	47.9482	6.91667	0.000000E+00
731	46.3923	8.00833	0.000000E+00

732	47.3610	8.00833	0.00000E+00
733	48.3297	8.00833	0.00000E+00
734	0.891000	2.55000	-0.550000
735	0.891000	2.55000	-0.275000
736	-0.109000	2.55000	0.00000E+00
737	-0.109000	2.55000	-0.275000
738	4.76600	2.55000	-0.605000
739	4.76600	2.55000	-0.302500
740	3.76600	2.55000	0.00000E+00
741	3.76600	2.55000	-0.302500
742	8.64100	2.55000	-0.605000
743	8.64100	2.55000	-0.302500
744	7.64100	2.55000	0.00000E+00
745	7.64100	2.55000	-0.302500
746	12.5160	2.55000	-0.605000
747	12.5160	2.55000	-0.302500
748	11.5160	2.55000	0.00000E+00
749	11.5160	2.55000	-0.302500
750	16.3910	2.55000	-0.605000
751	16.3910	2.55000	-0.302500
752	15.3910	2.55000	0.00000E+00
753	15.3910	2.55000	-0.302500
754	20.2660	2.55000	-0.605000
755	20.2660	2.55000	-0.302500
756	19.2660	2.55000	0.00000E+00
757	19.2660	2.55000	-0.302500
758	24.1410	2.55000	-0.605000
759	24.1410	2.55000	-0.302500
760	23.1410	2.55000	0.00000E+00
761	23.1410	2.55000	-0.302500
762	28.0160	2.55000	-0.605000
763	28.0160	2.55000	-0.302500
764	27.0160	2.55000	0.00000E+00
765	27.0160	2.55000	-0.302500
766	31.8910	2.55000	-0.605000
767	31.8910	2.55000	-0.302500
768	30.8910	2.55000	0.00000E+00
769	30.8910	2.55000	-0.302500
770	35.7660	2.55000	-0.605000
771	35.7660	2.55000	-0.302500
772	34.7660	2.55000	0.00000E+00
773	34.7660	2.55000	-0.302500
774	39.6410	2.55000	-0.605000
775	39.6410	2.55000	-0.302500
776	38.6410	2.55000	0.00000E+00
777	38.6410	2.55000	-0.302500
778	43.5160	2.55000	-0.605000
779	43.5160	2.55000	-0.302500
780	42.5160	2.55000	0.00000E+00
781	42.5160	2.55000	-0.302500
782	47.3910	2.55000	-0.550000
783	47.3910	2.55000	-0.275000
784	46.3910	2.55000	0.00000E+00
785	46.3910	2.55000	-0.275000
786	3.18000	9.10000	-0.550000
787	3.18000	9.10000	-0.275000
788	4.18000	9.10000	0.00000E+00
789	4.18000	9.10000	-0.275000
790	7.05500	9.10000	-0.605000
791	7.05500	9.10000	-0.302500
792	8.05500	9.10000	0.00000E+00
793	8.05500	9.10000	-0.302500
794	10.9300	9.10000	-0.605000
795	10.9300	9.10000	-0.302500
796	11.9300	9.10000	0.00000E+00
797	11.9300	9.10000	-0.302500
798	14.8050	9.10000	-0.605000
799	14.8050	9.10000	-0.302500
800	15.8050	9.10000	0.00000E+00
801	15.8050	9.10000	-0.302500
802	18.6800	9.10000	-0.605000
803	18.6800	9.10000	-0.302500
804	19.6800	9.10000	0.00000E+00
805	19.6800	9.10000	-0.302500
806	22.5550	9.10000	-0.605000
807	22.5550	9.10000	-0.302500
808	23.5550	9.10000	0.00000E+00
809	23.5550	9.10000	-0.302500
810	26.4300	9.10000	-0.605000
811	26.4300	9.10000	-0.302500
812	27.4300	9.10000	0.00000E+00
813	27.4300	9.10000	-0.302500
814	30.3050	9.10000	-0.605000
815	30.3050	9.10000	-0.302500
816	31.3050	9.10000	0.00000E+00
817	31.3050	9.10000	-0.302500
818	34.1800	9.10000	-0.605000
819	34.1800	9.10000	-0.302500
820	35.1800	9.10000	0.00000E+00
821	35.1800	9.10000	-0.302500
822	38.0550	9.10000	-0.605000
823	38.0550	9.10000	-0.302500
824	39.0550	9.10000	0.00000E+00
825	39.0550	9.10000	-0.302500
826	41.9300	9.10000	-0.605000
827	41.9300	9.10000	-0.302500
828	42.9300	9.10000	0.00000E+00
829	42.9300	9.10000	-0.302500

830	45.8050	9.10000	-0.605000
831	45.8050	9.10000	-0.302500
832	46.8050	9.10000	0.000000E+00
833	46.8050	9.10000	-0.302500
834	49.6800	9.10000	-0.550000
835	49.6800	9.10000	-0.275000
836	50.6800	9.10000	0.000000E+00
837	50.6800	9.10000	-0.275000
838	0.891000	2.55000	-1.00000
839	0.891000	2.55000	-0.775000
840	-0.109000	2.55000	-0.550000
841	-0.109000	2.55000	-0.775000
842	47.3910	2.55000	-1.00000
843	47.3910	2.55000	-0.775000
844	46.3910	2.55000	-0.550000
845	46.3910	2.55000	-0.775000
846	3.18000	9.10000	-1.00000
847	3.18000	9.10000	-0.775000
848	4.18000	9.10000	-0.550000
849	4.18000	9.10000	-0.775000
850	49.6800	9.10000	-1.00000
851	49.6800	9.10000	-0.775000
852	50.6800	9.10000	-0.550000
853	50.6800	9.10000	-0.775000
854	4.76600	2.55000	-1.00500
855	4.76600	2.55000	-0.805000
856	3.76600	2.55000	-0.605000
857	3.76600	2.55000	-0.805000
858	8.64100	2.55000	-1.00500
859	8.64100	2.55000	-0.805000
860	7.64100	2.55000	-0.605000
861	7.64100	2.55000	-0.805000
862	12.5160	2.55000	-1.00500
863	12.5160	2.55000	-0.805000
864	11.5160	2.55000	-0.605000
865	11.5160	2.55000	-0.805000
866	16.3910	2.55000	-1.00500
867	16.3910	2.55000	-0.805000
868	15.3910	2.55000	-0.605000
869	15.3910	2.55000	-0.805000
870	20.2660	2.55000	-1.00500
871	20.2660	2.55000	-0.805000
872	19.2660	2.55000	-0.605000
873	19.2660	2.55000	-0.805000
874	24.1410	2.55000	-1.00500
875	24.1410	2.55000	-0.805000
876	23.1410	2.55000	-0.605000
877	23.1410	2.55000	-0.805000
878	28.0160	2.55000	-1.00500
879	28.0160	2.55000	-0.805000
880	27.0160	2.55000	-0.605000
881	27.0160	2.55000	-0.805000
882	31.8910	2.55000	-1.00500
883	31.8910	2.55000	-0.805000
884	30.8910	2.55000	-0.605000
885	30.8910	2.55000	-0.805000
886	35.7660	2.55000	-1.00500
887	35.7660	2.55000	-0.805000
888	34.7660	2.55000	-0.605000
889	34.7660	2.55000	-0.805000
890	39.6410	2.55000	-1.00500
891	39.6410	2.55000	-0.805000
892	38.6410	2.55000	-0.605000
893	38.6410	2.55000	-0.805000
894	43.5160	2.55000	-1.00500
895	43.5160	2.55000	-0.805000
896	42.5160	2.55000	-0.605000
897	42.5160	2.55000	-0.805000
898	7.05500	9.10000	-1.00500
899	7.05500	9.10000	-0.805000
900	8.05500	9.10000	-0.605000
901	8.05500	9.10000	-0.805000
902	10.9300	9.10000	-1.00500
903	10.9300	9.10000	-0.805000
904	11.9300	9.10000	-0.605000
905	11.9300	9.10000	-0.805000
906	14.8050	9.10000	-1.00500
907	14.8050	9.10000	-0.805000
908	15.8050	9.10000	-0.605000
909	15.8050	9.10000	-0.805000
910	18.6800	9.10000	-1.00500
911	18.6800	9.10000	-0.805000
912	19.6800	9.10000	-0.605000
913	19.6800	9.10000	-0.805000
914	22.5550	9.10000	-1.00500
915	22.5550	9.10000	-0.805000
916	23.5550	9.10000	-0.605000
917	23.5550	9.10000	-0.805000
918	26.4300	9.10000	-1.00500
919	26.4300	9.10000	-0.805000
920	27.4300	9.10000	-0.605000
921	27.4300	9.10000	-0.805000
922	30.3050	9.10000	-1.00500
923	30.3050	9.10000	-0.805000
924	31.3050	9.10000	-0.605000
925	31.3050	9.10000	-0.805000
926	34.1800	9.10000	-1.00500
927	34.1800	9.10000	-0.805000

928	35.1800	9.10000	-0.605000
929	35.1800	9.10000	-0.805000
930	38.0550	9.10000	-1.00500
931	38.0550	9.10000	-0.805000
932	39.0550	9.10000	-0.605000
933	39.0550	9.10000	-0.805000
934	41.9300	9.10000	-1.00500
935	41.9300	9.10000	-0.805000
936	42.9300	9.10000	-0.605000
937	42.9300	9.10000	-0.805000
938	45.8050	9.10000	-1.00500
939	45.8050	9.10000	-0.805000
940	46.8050	9.10000	-0.605000
941	46.8050	9.10000	-0.805000
942	1.21800	3.48571	-1.00000
943	1.54500	4.42143	-1.00000
944	1.87200	5.35714	-1.00000
945	2.19900	6.29286	-1.00000
946	2.52600	7.22857	-1.00000
947	2.85300	8.16429	-1.00000
948	-0.530155E-01	2.87990	-1.00000
949	0.273984	3.81562	-1.00000
950	0.600984	4.75133	-1.00000
951	0.927984	5.68704	-1.00000
952	1.25498	6.62276	-1.00000
953	1.58198	7.55847	-1.00000
954	1.90898	8.49419	-1.00000
955	47.7180	3.48571	-1.00000
956	48.0450	4.42143	-1.00000
957	48.3720	5.35714	-1.00000
958	48.6990	6.29286	-1.00000
959	49.0260	7.22857	-1.00000
960	49.3530	8.16429	-1.00000
961	46.4470	2.87990	-1.00000
962	46.7740	3.81562	-1.00000
963	47.1010	4.75133	-1.00000
964	47.4280	5.68704	-1.00000
965	47.7550	6.62276	-1.00000
966	48.0820	7.55847	-1.00000
967	48.4090	8.49419	-1.00000
968	5.09300	3.48571	-1.00500
969	5.42000	4.42143	-1.00500
970	5.74700	5.35714	-1.00500
971	6.07400	6.29286	-1.00500
972	6.40100	7.22857	-1.00500
973	6.72800	8.16429	-1.00500
974	3.82198	2.87990	-1.00500
975	4.14898	3.81562	-1.00500
976	4.47598	4.75133	-1.00500
977	4.80298	5.68704	-1.00500
978	5.12998	6.62276	-1.00500
979	5.45698	7.55847	-1.00500
980	5.78398	8.49419	-1.00500
981	8.96800	3.48571	-1.00500
982	9.29500	4.42143	-1.00500
983	9.62200	5.35714	-1.00500
984	9.94900	6.29286	-1.00500
985	10.2760	7.22857	-1.00500
986	10.6030	8.16429	-1.00500
987	7.69698	2.87990	-1.00500
988	8.02398	3.81562	-1.00500
989	8.35098	4.75133	-1.00500
990	8.67798	5.68704	-1.00500
991	9.00498	6.62276	-1.00500
992	9.33198	7.55847	-1.00500
993	9.65898	8.49419	-1.00500
994	12.8430	3.48571	-1.00500
995	13.1700	4.42143	-1.00500
996	13.4970	5.35714	-1.00500
997	13.8240	6.29286	-1.00500
998	14.1510	7.22857	-1.00500
999	14.4780	8.16429	-1.00500
1000	11.5720	2.87990	-1.00500
1001	11.8990	3.81562	-1.00500
1002	12.2260	4.75133	-1.00500
1003	12.5530	5.68704	-1.00500
1004	12.8800	6.62276	-1.00500
1005	13.2070	7.55847	-1.00500
1006	13.5340	8.49419	-1.00500
1007	16.7180	3.48571	-1.00500
1008	17.0450	4.42143	-1.00500
1009	17.3720	5.35714	-1.00500
1010	17.6990	6.29286	-1.00500
1011	18.0260	7.22857	-1.00500
1012	18.3530	8.16429	-1.00500
1013	15.4470	2.87990	-1.00500
1014	15.7740	3.81562	-1.00500
1015	16.1010	4.75133	-1.00500
1016	16.4280	5.68704	-1.00500
1017	16.7550	6.62276	-1.00500
1018	17.0820	7.55847	-1.00500
1019	17.4090	8.49419	-1.00500
1020	20.5930	3.48571	-1.00500
1021	20.9200	4.42143	-1.00500
1022	21.2470	5.35714	-1.00500
1023	21.5740	6.29286	-1.00500
1024	21.9010	7.22857	-1.00500
1025	22.2280	8.16429	-1.00500

1026	19.3220	2.87990	-1.00500
1027	19.6490	3.81562	-1.00500
1028	19.9760	4.75133	-1.00500
1029	20.3030	5.68704	-1.00500
1030	20.6300	6.62276	-1.00500
1031	20.9570	7.55847	-1.00500
1032	21.2840	8.49419	-1.00500
1033	24.4680	3.48571	-1.00500
1034	24.7950	4.42143	-1.00500
1035	25.1220	5.35714	-1.00500
1036	25.4490	6.29286	-1.00500
1037	25.7760	7.22857	-1.00500
1038	26.1030	8.16429	-1.00500
1039	23.1970	2.87990	-1.00500
1040	23.5240	3.81562	-1.00500
1041	23.8510	4.75133	-1.00500
1042	24.1780	5.68704	-1.00500
1043	24.5050	6.62276	-1.00500
1044	24.8320	7.55847	-1.00500
1045	25.1590	8.49419	-1.00500
1046	28.3430	3.48571	-1.00500
1047	28.6700	4.42143	-1.00500
1048	28.9970	5.35714	-1.00500
1049	29.3240	6.29286	-1.00500
1050	29.6510	7.22857	-1.00500
1051	29.9780	8.16429	-1.00500
1052	27.0720	2.87990	-1.00500
1053	27.3990	3.81562	-1.00500
1054	27.7260	4.75133	-1.00500
1055	28.0530	5.68704	-1.00500
1056	28.3800	6.62276	-1.00500
1057	28.7070	7.55847	-1.00500
1058	29.0340	8.49419	-1.00500
1059	32.2180	3.48571	-1.00500
1060	32.5450	4.42143	-1.00500
1061	32.8720	5.35714	-1.00500
1062	33.1990	6.29286	-1.00500
1063	33.5260	7.22857	-1.00500
1064	33.8530	8.16429	-1.00500
1065	30.9470	2.87990	-1.00500
1066	31.2740	3.81562	-1.00500
1067	31.6010	4.75133	-1.00500
1068	31.9280	5.68704	-1.00500
1069	32.2550	6.62276	-1.00500
1070	32.5820	7.55847	-1.00500
1071	32.9090	8.49419	-1.00500
1072	36.0930	3.48571	-1.00500
1073	36.4200	4.42143	-1.00500
1074	36.7470	5.35714	-1.00500
1075	37.0740	6.29286	-1.00500
1076	37.4010	7.22857	-1.00500
1077	37.7280	8.16429	-1.00500
1078	34.8220	2.87990	-1.00500
1079	35.1490	3.81562	-1.00500
1080	35.4760	4.75133	-1.00500
1081	35.8030	5.68704	-1.00500
1082	36.1300	6.62276	-1.00500
1083	36.4570	7.55847	-1.00500
1084	36.7840	8.49419	-1.00500
1085	39.9680	3.48571	-1.00500
1086	40.2950	4.42143	-1.00500
1087	40.6220	5.35714	-1.00500
1088	40.9490	6.29286	-1.00500
1089	41.2760	7.22857	-1.00500
1090	41.6030	8.16429	-1.00500
1091	38.6970	2.87990	-1.00500
1092	39.0240	3.81562	-1.00500
1093	39.3510	4.75133	-1.00500
1094	39.6780	5.68704	-1.00500
1095	40.0050	6.62276	-1.00500
1096	40.3320	7.55847	-1.00500
1097	40.6590	8.49419	-1.00500
1098	43.8430	3.48571	-1.00500
1099	44.1700	4.42143	-1.00500
1100	44.4970	5.35714	-1.00500
1101	44.8240	6.29286	-1.00500
1102	45.1510	7.22857	-1.00500
1103	45.4780	8.16429	-1.00500
1104	42.5720	2.87990	-1.00500
1105	42.8990	3.81562	-1.00500
1106	43.2260	4.75133	-1.00500
1107	43.5530	5.68704	-1.00500
1108	43.8800	6.62276	-1.00500
1109	44.2070	7.55847	-1.00500
1110	44.5340	8.49419	-1.00500
1111	4.76600	2.55000	-1.40500
1112	4.76600	2.55000	-2.40000
1113	4.76600	2.55000	-1.90250
1114	3.76600	2.55000	-1.40500
1115	3.76600	2.55000	-1.90250
1116	4.76600	2.55000	-1.20500
1117	3.76600	2.55000	-1.00500
1118	3.76600	2.55000	-1.20500
1119	8.64100	2.55000	-1.40500
1120	8.64100	2.55000	-2.40000
1121	8.64100	2.55000	-1.90250
1122	7.64100	2.55000	-1.40500
1123	7.64100	2.55000	-1.90250



1124	8.64100	2.55000	-1.20500
1125	7.64100	2.55000	-1.00500
1126	7.64100	2.55000	-1.20500
1127	12.5160	2.55000	-1.40500
1128	12.5160	2.55000	-2.40000
1129	12.5160	2.55000	-1.90250
1130	11.5160	2.55000	-1.40500
1131	11.5160	2.55000	-1.90250
1132	12.5160	2.55000	-1.20500
1133	11.5160	2.55000	-1.00500
1134	11.5160	2.55000	-1.20500
1135	16.3910	2.55000	-1.40500
1136	16.3910	2.55000	-2.40000
1137	16.3910	2.55000	-1.90250
1138	15.3910	2.55000	-1.40500
1139	15.3910	2.55000	-1.90250
1140	16.3910	2.55000	-1.20500
1141	15.3910	2.55000	-1.00500
1142	15.3910	2.55000	-1.20500
1143	20.2660	2.55000	-1.40500
1144	20.2660	2.55000	-2.40000
1145	20.2660	2.55000	-1.90250
1146	19.2660	2.55000	-1.40500
1147	19.2660	2.55000	-1.90250
1148	20.2660	2.55000	-1.20500
1149	19.2660	2.55000	-1.00500
1150	19.2660	2.55000	-1.20500
1151	24.1410	2.55000	-1.40500
1152	24.1410	2.55000	-2.40000
1153	24.1410	2.55000	-1.90250
1154	23.1410	2.55000	-1.40500
1155	23.1410	2.55000	-1.90250
1156	24.1410	2.55000	-1.20500
1157	23.1410	2.55000	-1.00500
1158	23.1410	2.55000	-1.20500
1159	28.0160	2.55000	-1.40500
1160	28.0160	2.55000	-2.40000
1161	28.0160	2.55000	-1.90250
1162	27.0160	2.55000	-1.40500
1163	27.0160	2.55000	-1.90250
1164	28.0160	2.55000	-1.20500
1165	27.0160	2.55000	-1.00500
1166	27.0160	2.55000	-1.20500
1167	31.8910	2.55000	-1.40500
1168	31.8910	2.55000	-2.40000
1169	31.8910	2.55000	-1.90250
1170	30.8910	2.55000	-1.40500
1171	30.8910	2.55000	-1.90250
1172	31.8910	2.55000	-1.20500
1173	30.8910	2.55000	-1.00500
1174	30.8910	2.55000	-1.20500
1175	35.7660	2.55000	-1.40500
1176	35.7660	2.55000	-2.40000
1177	35.7660	2.55000	-1.90250
1178	34.7660	2.55000	-1.40500
1179	34.7660	2.55000	-1.90250
1180	35.7660	2.55000	-1.20500
1181	34.7660	2.55000	-1.00500
1182	34.7660	2.55000	-1.20500
1183	39.6410	2.55000	-1.40500
1184	39.6410	2.55000	-2.40000
1185	39.6410	2.55000	-1.90250
1186	38.6410	2.55000	-1.40500
1187	38.6410	2.55000	-1.90250
1188	39.6410	2.55000	-1.20500
1189	38.6410	2.55000	-1.00500
1190	38.6410	2.55000	-1.20500
1191	43.5160	2.55000	-1.40500
1192	43.5160	2.55000	-2.40000
1193	43.5160	2.55000	-1.90250
1194	42.5160	2.55000	-1.40500
1195	42.5160	2.55000	-1.90250
1196	43.5160	2.55000	-1.20500
1197	42.5160	2.55000	-1.00500
1198	42.5160	2.55000	-1.20500
1199	7.05500	9.10000	-1.40500
1200	7.05500	9.10000	-2.40000
1201	7.05500	9.10000	-1.90250
1202	8.05500	9.10000	-1.40500
1203	8.05500	9.10000	-1.90250
1204	7.05500	9.10000	-1.20500
1205	8.05500	9.10000	-1.00500
1206	8.05500	9.10000	-1.20500
1207	10.9300	9.10000	-1.40500
1208	10.9300	9.10000	-2.40000
1209	10.9300	9.10000	-1.90250
1210	11.9300	9.10000	-1.40500
1211	11.9300	9.10000	-1.90250
1212	10.9300	9.10000	-1.20500
1213	11.9300	9.10000	-1.00500
1214	11.9300	9.10000	-1.20500
1215	14.8050	9.10000	-1.40500
1216	14.8050	9.10000	-2.40000
1217	14.8050	9.10000	-1.90250
1218	15.8050	9.10000	-1.40500
1219	15.8050	9.10000	-1.90250
1220	14.8050	9.10000	-1.20500
1221	15.8050	9.10000	-1.00500

1222	15.8050	9.10000	-1.20500
1223	18.6800	9.10000	-1.40500
1224	18.6800	9.10000	-2.40000
1225	18.6800	9.10000	-1.90250
1226	19.6800	9.10000	-1.40500
1227	19.6800	9.10000	-1.90250
1228	18.6800	9.10000	-1.20500
1229	19.6800	9.10000	-1.00500
1230	19.6800	9.10000	-1.20500
1231	22.5550	9.10000	-1.40500
1232	22.5550	9.10000	-2.40000
1233	22.5550	9.10000	-1.90250
1234	23.5550	9.10000	-1.40500
1235	23.5550	9.10000	-1.90250
1236	22.5550	9.10000	-1.20500
1237	23.5550	9.10000	-1.00500
1238	23.5550	9.10000	-1.20500
1239	26.4300	9.10000	-1.40500
1240	26.4300	9.10000	-2.40000
1241	26.4300	9.10000	-1.90250
1242	27.4300	9.10000	-1.40500
1243	27.4300	9.10000	-1.90250
1244	26.4300	9.10000	-1.20500
1245	27.4300	9.10000	-1.00500
1246	27.4300	9.10000	-1.20500
1247	30.3050	9.10000	-1.40500
1248	30.3050	9.10000	-2.40000
1249	30.3050	9.10000	-1.90250
1250	31.3050	9.10000	-1.40500
1251	31.3050	9.10000	-1.90250
1252	30.3050	9.10000	-1.20500
1253	31.3050	9.10000	-1.00500
1254	31.3050	9.10000	-1.20500
1255	34.1800	9.10000	-1.40500
1256	34.1800	9.10000	-2.40000
1257	34.1800	9.10000	-1.90250
1258	35.1800	9.10000	-1.40500
1259	35.1800	9.10000	-1.90250
1260	34.1800	9.10000	-1.20500
1261	35.1800	9.10000	-1.00500
1262	35.1800	9.10000	-1.20500
1263	38.0550	9.10000	-1.40500
1264	38.0550	9.10000	-2.40000
1265	38.0550	9.10000	-1.90250
1266	39.0550	9.10000	-1.40500
1267	39.0550	9.10000	-1.90250
1268	38.0550	9.10000	-1.20500
1269	39.0550	9.10000	-1.00500
1270	39.0550	9.10000	-1.20500
1271	41.9300	9.10000	-1.40500
1272	41.9300	9.10000	-2.40000
1273	41.9300	9.10000	-1.90250
1274	42.9300	9.10000	-1.40500
1275	42.9300	9.10000	-1.90250
1276	41.9300	9.10000	-1.20500
1277	42.9300	9.10000	-1.00500
1278	42.9300	9.10000	-1.20500
1279	45.8050	9.10000	-1.40500
1280	45.8050	9.10000	-2.40000
1281	45.8050	9.10000	-1.90250
1282	46.8050	9.10000	-1.40500
1283	46.8050	9.10000	-1.90250
1284	45.8050	9.10000	-1.20500
1285	46.8050	9.10000	-1.00500
1286	46.8050	9.10000	-1.20500
1287	0.891000	2.55000	-1.45000
1288	0.891000	2.55000	-2.40000
1289	0.891000	2.55000	-1.92500
1290	-0.109000	2.55000	-1.45000
1291	-0.109000	2.55000	-1.92500
1292	0.891000	2.55000	-1.22500
1293	-0.109000	2.55000	-1.00000
1294	-0.109000	2.55000	-1.22500
1295	3.18000	9.10000	-1.45000
1296	3.18000	9.10000	-2.40000
1297	3.18000	9.10000	-1.92500
1298	4.18000	9.10000	-1.45000
1299	4.18000	9.10000	-1.92500
1300	3.18000	9.10000	-1.22500
1301	4.18000	9.10000	-1.00000
1302	4.18000	9.10000	-1.22500
1303	47.3910	2.55000	-1.45000
1304	47.3910	2.55000	-2.40000
1305	47.3910	2.55000	-1.92500
1306	46.3910	2.55000	-1.45000
1307	46.3910	2.55000	-1.92500
1308	47.3910	2.55000	-1.22500
1309	46.3910	2.55000	-1.00000
1310	46.3910	2.55000	-1.22500
1311	49.6800	9.10000	-1.45000
1312	49.6800	9.10000	-2.40000
1313	49.6800	9.10000	-1.92500
1314	50.6800	9.10000	-1.45000
1315	50.6800	9.10000	-1.92500
1316	49.6800	9.10000	-1.22500
1317	50.6800	9.10000	-1.00000
1318	50.6800	9.10000	-1.22500
1319	0.891000	2.55000	-2.40000

1320	0.891000	2.55000	-3.20000
1321	1.22079	3.49405	-2.40000
1322	47.3910	2.55000	-2.40000
1323	47.3910	2.55000	-3.20000
1324	47.7208	3.49405	-2.40000
1325	3.18000	9.10000	-2.40000
1326	3.18000	9.10000	-3.20000
1327	3.50979	10.0441	-2.40000
1328	49.6800	9.10000	-2.40000
1329	49.6800	9.10000	-3.20000
1330	50.0098	10.0441	-2.40000
1331	0.469075	12.2689	-8.90000
1332	0.469075	12.2689	-6.90000
1333	0.154420	11.3197	-8.90000
1334	1.57598	6.46984	-6.90000
1335	1.57598	6.46984	-3.20000
1336	1.57598	6.46984	-6.37143
1337	1.57598	6.46984	-5.84286
1338	1.57598	6.46984	-5.31429
1339	1.57598	6.46984	-4.78571
1340	1.57598	6.46984	-4.25714
1341	1.57598	6.46984	-3.72857
1342	1.26132	5.52064	-6.90000
1343	1.26132	5.52064	-6.37143
1344	1.26132	5.52064	-5.84286
1345	1.26132	5.52064	-5.31429
1346	1.26132	5.52064	-4.78571
1347	1.26132	5.52064	-4.25714
1348	1.26132	5.52064	-3.72857
1349	1.57498	6.46984	0.600000
1350	1.57585	6.46984	-2.72500
1351	1.57573	6.46984	-2.25000
1352	1.57560	6.46984	-1.77500
1353	1.57548	6.46984	-1.30000
1354	1.57535	6.46984	-0.825000
1355	1.57523	6.46984	-0.350000
1356	1.57510	6.46984	0.125000
1357	1.26132	5.52064	-3.20008
1358	1.26120	5.52064	-2.72508
1359	1.26107	5.52064	-2.25008
1360	1.26095	5.52064	-1.77508
1361	1.26082	5.52064	-1.30008
1362	1.26070	5.52064	-0.825083
1363	1.26057	5.52064	-0.350083
1364	1.26045	5.52064	0.124917
1365	5.41889	18.0655	-6.90000
1366	5.41889	18.0655	-3.20000
1367	5.41889	18.0655	-6.37143
1368	5.41889	18.0655	-5.84286
1369	5.41889	18.0655	-5.31429
1370	5.41889	18.0655	-4.78571
1371	5.41889	18.0655	-4.25714
1372	5.41889	18.0655	-3.72857
1373	5.10423	17.1163	-6.90000
1374	5.10423	17.1163	-6.37143
1375	5.10423	17.1163	-5.84286
1376	5.10423	17.1163	-5.31429
1377	5.10423	17.1163	-4.78571
1378	5.10423	17.1163	-4.25714
1379	5.10423	17.1163	-3.72857
1380	5.41789	18.0655	0.600000
1381	5.41876	18.0655	-2.72500
1382	5.41864	18.0655	-2.25000
1383	5.41851	18.0655	-1.77500
1384	5.41839	18.0655	-1.30000
1385	5.41826	18.0655	-0.825000
1386	5.41814	18.0655	-0.350000
1387	5.41801	18.0655	0.125000
1388	5.10424	17.1163	-3.20008
1389	5.10412	17.1163	-2.72508
1390	5.10399	17.1163	-2.25008
1391	5.10387	17.1163	-1.77508
1392	5.10374	17.1163	-1.30008
1393	5.10362	17.1163	-0.825083
1394	5.10349	17.1163	-0.350083
1395	5.10337	17.1163	0.124917
1396	1.57598	6.46984	-8.90000
1397	1.57598	6.46984	-8.40000
1398	1.57598	6.46984	-7.90000
1399	1.57598	6.46984	-7.40000
1400	1.24619	5.52579	-8.90000
1401	1.24619	5.52579	-8.40000
1402	1.24619	5.52579	-7.90000
1403	1.24619	5.52579	-7.40000
1404	5.41889	18.0655	-8.90000
1405	5.41889	18.0655	-8.40000
1406	5.41889	18.0655	-7.90000
1407	5.41889	18.0655	-7.40000
1408	5.08910	17.1214	-8.90000
1409	5.08910	17.1214	-8.40000
1410	5.08910	17.1214	-7.90000
1411	5.08910	17.1214	-7.40000
1412	2.03550	5.82500	-3.20000
1413	48.5355	5.82500	-3.20000
1414	2.03550	5.82500	-3.20000
1415	48.5355	5.82500	-3.20000
1416	6.30657	18.6936	-3.20000
1417	-1.19156	12.2647	-3.15000

1418	-0.191563	12.2647	-3.15000
1419	-1.19156	13.2647	-3.15000
1420	0.469075	12.2689	-8.90000
1421	2.03550	5.82500	-3.20000
1422	2.03550	5.82500	0.00000E+00
1423	48.5355	5.82500	0.00000E+00
1424	6.30657	18.6936	-3.20000
1425	2.03550	5.82500	-3.20000
1426	1.89100	2.55000	-2.40000
1427	0.891000	3.55000	-2.40000
1428	4.18000	9.10000	-2.40000
1429	3.18000	10.1000	-2.40000
1430	46.3910	2.55000	-2.40000
1431	47.3910	1.55000	-2.40000
1432	48.6800	9.10000	-2.40000
1433	49.6800	8.10000	-2.40000
1434	3.03550	5.82500	-3.20000
1435	2.03550	6.82500	-3.20000
1436	49.5355	5.82500	-3.20000
1437	48.5355	6.82500	-3.20000
1438	7.30657	18.6936	-3.20000
1439	6.30657	19.6936	-3.20000
1440	1.41828	11.9543	-8.90000
1441	0.783730	13.2181	-8.90000
1442	3.03550	5.82500	-3.20000
1443	2.03550	6.82500	-3.20000
1444	2.98471	5.51034	0.00000E+00
1445	2.35016	6.77421	0.00000E+00
1446	47.5863	6.13966	0.00000E+00
1447	48.2208	4.87579	0.00000E+00

TOTAL NUMBER OF NODES	=	1447
LARGEST NODE NUMBER	=	1447
DATA STORAGE LOCATIONS USED	=	10129

G E O M E T R I C P R O P E R T I E S

C1\_F1  
PROPERTY

BMI21 ELEMENTS								
1	1ST NODE	AREA =0.1085	IYY =0.1034	IZZ =0.4325E-02	KT =0.2541E-04	ASZ =0.5148E-01		
		ASY =0.5700E-01	EZ =1.233	EY =0.0000E+00	IYZ =0.0000E+00			
	2ND NODE	AREA =0.1085	IYY =0.1034	IZZ =0.4325E-02	KT =0.2541E-04	ASZ =0.5148E-01		
		ASY =0.5700E-01	EZ =1.233	EY =0.0000E+00	IYZ =0.0000E+00			

G E O M E T R I C P R O P E R T I E S

C2\_F1  
PROPERTY

BMI21 ELEMENTS								
2	1ST NODE	AREA =0.1469	IYY =0.1516	IZZ =0.7848E-02	KT =0.1169E-03	ASZ =0.4590E-01		
		ASY =0.1010	EZ =1.424	EY =0.0000E+00	IYZ =0.0000E+00			
	2ND NODE	AREA =0.1469	IYY =0.1516	IZZ =0.7848E-02	KT =0.1169E-03	ASZ =0.4590E-01		
		ASY =0.1010	EZ =1.424	EY =0.0000E+00	IYZ =0.0000E+00			

G E O M E T R I C P R O P E R T I E S

C3\_F1  
PROPERTY

BMI21 ELEMENTS								
3	1ST NODE	AREA =0.1610	IYY =0.1741	IZZ =0.9289E-02	KT =0.1825E-03	ASZ =0.4095E-01		
		ASY =0.1200	EZ =1.410	EY =0.0000E+00	IYZ =0.0000E+00			
	2ND NODE	AREA =0.1610	IYY =0.1741	IZZ =0.9289E-02	KT =0.1825E-03	ASZ =0.4095E-01		
		ASY =0.1200	EZ =1.410	EY =0.0000E+00	IYZ =0.0000E+00			

G E O M E T R I C P R O P E R T I E S

plinto (sz\_plinto Mirror y-y)  
PROPERTY

BMI21 ELEMENTS								
4	1ST NODE	AREA =257.6	IYY =1897.	IZZ =0.1632E+05	KT =5900.	ASZ =211.5		
		ASY =215.9	EZ =0.0000E+00	EY =0.0000E+00	IYZ =-628.5			
	2ND NODE	AREA =257.6	IYY =1897.	IZZ =0.1632E+05	KT =5900.	ASZ =211.5		

ASY =215.9 EZ =0.0000E+00 EY =0.0000E+00 IYZ =-628.5

G E O M E T R I C P R O P E R T I E S

paramento (RSS D=2.65 B=12.215)

PROPERTY

BMI21 ELEMENTS  
5 1ST NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_campata (HE 800 A)

PROPERTY

BMI21 ELEMENTS  
6 1ST NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_appoggio (I D=0.9 B=0.3 tf=0.04 tw=0.03 r=0)

PROPERTY

BMI21 ELEMENTS  
7 1ST NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_appoggi

PROPERTY

BMI21 ELEMENTS  
8 1ST NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02  
2ND NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_campata (irrigidente campata)

PROPERTY

BMI21 ELEMENTS  
9 1ST NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04  
2ND NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04

G E O M E T R I C P R O P E R T I E S

paraghiaia (RSS D=0.55 B=12.215)

PROPERTY

BMI21 ELEMENTS  
10 1ST NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

rigida  
PROPERTY

BMI21 ELEMENTS							
11	1ST NODE	AREA =10.00	IYY =100.0	IZZ =100.0	KT =100.0	ASZ =-0.1000E+05	
		ASY =0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		
	2ND NODE	AREA =10.00	IYY =100.0	IZZ =100.0	KT =100.0	ASZ =-0.1000E+05	
		ASY =0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Baggioli (RSS D=1.2 B=1.2)  
PROPERTY

BMI21 ELEMENTS							
12	1ST NODE	AREA =1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =-1.200	
		ASY =1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		
	2ND NODE	AREA =1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =-1.200	
		ASY =1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Soletta\_sp\_0.3  
PROPERTY

QTS4 ELEMENTS							
14	EZ = -0.1500	T1 = 0.3000	T2 = 0.3000	T3 = 0.3000	T4 = 0.3000		

G E O M E T R I C P R O P E R T I E S

Ecc0  
PROPERTY

JSH4 ELEMENTS							
13	ECCENTRICITY = 0.0000E+00						
	DATA STORAGE LOCATIONS USED	=	678				

G E O M E T R I C A S S I G N M E N T S

FIRST ELEMENT	LAST ELEMENT	DIFF-ERENCE	GEOMETRIC SET	LUSASM ID NO.
1	48	1	14	14
49	52	1	1	1
53	60	1	14	14
61	63	1	1	1
64	69	1	14	14
70	0	0	2	2
71	72	1	14	14
73	76	1	2	2
77	84	1	14	14
85	88	1	2	2
89	96	1	14	14
97	98	1	2	2
99	102	1	14	14
103	104	1	3	3
105	108	1	14	14
109	112	1	3	3
113	120	1	14	14
121	124	1	3	3
125	132	1	14	14
133	134	1	3	3
135	138	1	14	14
139	140	1	2	2
141	144	1	14	14
145	148	1	2	2
149	156	1	14	14
157	160	1	2	2
161	168	1	14	14

169	0	0	2	2
170	171	1	14	14
172	174	1	1	1
175	180	1	14	14
181	184	1	1	1
185	192	1	14	14
193	196	1	1	1
197	204	1	14	14
205	207	1	1	1
208	213	1	14	14
214	0	0	2	2
215	216	1	14	14
217	220	1	2	2
221	228	1	14	14
229	232	1	2	2
233	240	1	14	14
241	242	1	2	2
243	246	1	14	14
247	248	1	3	3
249	252	1	14	14
253	256	1	3	3
257	264	1	14	14
265	268	1	3	3
269	276	1	14	14
277	278	1	3	3
279	282	1	14	14
283	284	1	2	2
285	288	1	14	14
289	292	1	2	2
293	300	1	14	14
301	304	1	2	2
305	312	1	14	14
313	0	0	2	2
314	315	1	14	14
316	318	1	1	1
319	324	1	14	14
325	328	1	1	1
329	672	1	14	14
673	674	1	8	8
675	696	1	9	9
697	700	1	8	8
701	722	1	9	9
723	732	1	8	8
733	776	1	9	9
777	790	1	7	7
791	867	1	6	6
868	955	1	9	9
956	971	1	8	8
972	975	1	12	13
976	0	0	4	4
977	983	1	5	5
984	991	1	10	10
992	998	1	5	5
999	1006	1	10	10
1007	1014	1	11	11
1016	1026	1	13	15

TOTAL NUMBER OF GEOMETRIC ASSIGNMENT SETS = 83  
TOTAL NUMBER OF ELEMENTS = 1025  
LARGEST ELEMENT NUMBER = 1026  
LARGEST GEOMETRIC ASSIGNMENT SET NUMBER = 14  
DATA STORAGE LOCATIONS USED = 3075

J O I N T P R O P E R T I E S

MATERIAL

giunti

8 KX = 1.000 KY = 1.000 KZ = 1.000 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Isolatori\_spalle

9 KX = 0.2230E+07 KY = 0.2230E+07 KZ = 0.2186E+10 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Incastro  
10 KX = 0.1000E+16 KY = 0.1000E+16 KZ = 0.1000E+16 KTX = 0.1000E+16 KTY = 0.1000E+16 KTZ = 0.1000E+16

M A T E R I A L P R O P E R T I E S M A S S

MATERIAL

Massa\_terreno\_SP1  
11 MX = 0.2213E+07 MY = 0.2213E+07 MZ = 0.2213E+07

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel (elastic)  
1 E = 0.2100E+12 NU = 0.3000 RHO = 7850. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_long\_term\_Phase2b (elastic)  
13 E = 0.1287E+11 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3 (elastic)  
2 E = 0.3364E+11 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle (elastic)  
3 E = 0.1000E+16 NU = 0.2000 RHO = 2500. ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle\_nomassa (elastic)  
4 E = 0.1000E+16 NU = 0.2000 RHO = 0.0000E+00 ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel\_rho=0 (elastic)  
5 E = 0.2100E+12 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S



MATERIAL

Rigid\_rho=0 (elastic)

6 E = 0.2100E+15 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3\_Rigid (elastic)

7 E = 0.3364E+14 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

DATA STORAGE LOCATIONS USED = 512

M A T E R I A L A S S I G N M E N T S

SMEARED_REINFORCEMENT SET	FIRST ELEMENT	LAST ELEMENT	DIFF-ERENCE	MATERIAL SET	NSET	STRESS PLASTIC	POTENTIAL DATA SET	CREEP SET	DAMAGE SET	LusasM ID NO.	VISCOELASTIC SET	TWO PHASE MATERIAL SET	SHRINKAGE SET	KO SET
	0	1	48	1	13	0	0	0	0	0	3	0	0	0
0	49	52	1	1	0	0	0	0	0	1	0	0	0	0
0	53	60	1	13	0	0	0	0	0	3	0	0	0	0
0	61	63	1	1	0	0	0	0	0	1	0	0	0	0
0	64	69	1	13	0	0	0	0	0	3	0	0	0	0
0	70	0	0	1	0	0	0	0	0	1	0	0	0	0
0	71	72	1	13	0	0	0	0	0	3	0	0	0	0
0	73	76	1	1	0	0	0	0	0	1	0	0	0	0
0	77	84	1	13	0	0	0	0	0	3	0	0	0	0
0	85	88	1	1	0	0	0	0	0	1	0	0	0	0
0	89	96	1	13	0	0	0	0	0	3	0	0	0	0
0	97	98	1	1	0	0	0	0	0	1	0	0	0	0
0	99	102	1	13	0	0	0	0	0	3	0	0	0	0
0	103	104	1	1	0	0	0	0	0	1	0	0	0	0
0	105	108	1	13	0	0	0	0	0	3	0	0	0	0
0	109	112	1	1	0	0	0	0	0	1	0	0	0	0
0	113	120	1	13	0	0	0	0	0	3	0	0	0	0
0	121	124	1	1	0	0	0	0	0	1	0	0	0	0
0	125	132	1	13	0	0	0	0	0	3	0	0	0	0
0	133	134	1	1	0	0	0	0	0	1	0	0	0	0
0	135	138	1	13	0	0	0	0	0	3	0	0	0	0
0	139	140	1	1	0	0	0	0	0	1	0	0	0	0
0	141	144	1	13	0	0	0	0	0	3	0	0	0	0
0	145	148	1	1	0	0	0	0	0	1	0	0	0	0
0	149	156	1	13	0	0	0	0	0	3	0	0	0	0
0	157	160	1	1	0	0	0	0	0	1	0	0	0	0
0	161	168	1	13	0	0	0	0	0	3	0	0	0	0
0	169	0	0	1	0	0	0	0	0	1	0	0	0	0
0	170	171	1	13	0	0	0	0	0	3	0	0	0	0
0	172	174	1	1	0	0	0	0	0	1	0	0	0	0
0	175	180	1	13	0	0	0	0	0	3	0	0	0	0
0	181	184	1	1	0	0	0	0	0	1	0	0	0	0

0	185	192	1	13	0	0	0	0	3	0	0	0	0
0	193	196	1	1	0	0	0	0	1	0	0	0	0
0	197	204	1	13	0	0	0	0	3	0	0	0	0
0	205	207	1	1	0	0	0	0	1	0	0	0	0
0	208	213	1	13	0	0	0	0	3	0	0	0	0
0	214	0	0	1	0	0	0	0	1	0	0	0	0
0	215	216	1	13	0	0	0	0	3	0	0	0	0
0	217	220	1	1	0	0	0	0	1	0	0	0	0
0	221	228	1	13	0	0	0	0	3	0	0	0	0
0	229	232	1	1	0	0	0	0	1	0	0	0	0
0	233	240	1	13	0	0	0	0	3	0	0	0	0
0	241	242	1	1	0	0	0	0	1	0	0	0	0
0	243	246	1	13	0	0	0	0	3	0	0	0	0
0	247	248	1	1	0	0	0	0	1	0	0	0	0
0	249	252	1	13	0	0	0	0	3	0	0	0	0
0	253	256	1	1	0	0	0	0	1	0	0	0	0
0	257	264	1	13	0	0	0	0	3	0	0	0	0
0	265	268	1	1	0	0	0	0	1	0	0	0	0
0	269	276	1	13	0	0	0	0	3	0	0	0	0
0	277	278	1	1	0	0	0	0	1	0	0	0	0
0	279	282	1	13	0	0	0	0	3	0	0	0	0
0	283	284	1	1	0	0	0	0	1	0	0	0	0
0	285	288	1	13	0	0	0	0	3	0	0	0	0
0	289	292	1	1	0	0	0	0	1	0	0	0	0
0	293	300	1	13	0	0	0	0	3	0	0	0	0
0	301	304	1	1	0	0	0	0	1	0	0	0	0
0	305	312	1	13	0	0	0	0	3	0	0	0	0
0	313	0	0	1	0	0	0	0	1	0	0	0	0
0	314	315	1	13	0	0	0	0	3	0	0	0	0
0	316	318	1	1	0	0	0	0	1	0	0	0	0
0	319	324	1	13	0	0	0	0	3	0	0	0	0
0	325	328	1	1	0	0	0	0	1	0	0	0	0
0	329	672	1	13	0	0	0	0	3	0	0	0	0
0	673	674	1	6	0	0	0	0	14	0	0	0	0
0	675	696	1	5	0	0	0	0	13	0	0	0	0
0	697	700	1	6	0	0	0	0	14	0	0	0	0
0	701	722	1	5	0	0	0	0	13	0	0	0	0
0	723	776	1	6	0	0	0	0	14	0	0	0	0
0	777	867	1	1	0	0	0	0	1	0	0	0	0
0	868	869	1	5	0	0	0	0	13	0	0	0	0
0	870	871	1	6	0	0	0	0	14	0	0	0	0
0	872	873	1	5	0	0	0	0	13	0	0	0	0
0	874	875	1	6	0	0	0	0	14	0	0	0	0
0	876	877	1	5	0	0	0	0	13	0	0	0	0
0	878	879	1	6	0	0	0	0	14	0	0	0	0
0	880	881	1	5	0	0	0	0	13	0	0	0	0
0	882	883	1	6	0	0	0	0	14	0	0	0	0
0	884	885	1	5	0	0	0	0	13	0	0	0	0
0	886	887	1	6	0	0	0	0	14	0	0	0	0

0	888	889	1	5	0	0	0	0	13	0	0	0	0
0	890	891	1	6	0	0	0	0	14	0	0	0	0
0	892	893	1	5	0	0	0	0	13	0	0	0	0
0	894	895	1	6	0	0	0	0	14	0	0	0	0
0	896	897	1	5	0	0	0	0	13	0	0	0	0
0	898	899	1	6	0	0	0	0	14	0	0	0	0
0	900	901	1	5	0	0	0	0	13	0	0	0	0
0	902	903	1	6	0	0	0	0	14	0	0	0	0
0	904	905	1	5	0	0	0	0	13	0	0	0	0
0	906	907	1	6	0	0	0	0	14	0	0	0	0
0	908	909	1	5	0	0	0	0	13	0	0	0	0
0	910	911	1	6	0	0	0	0	14	0	0	0	0
0	912	913	1	5	0	0	0	0	13	0	0	0	0
0	914	915	1	6	0	0	0	0	14	0	0	0	0
0	916	917	1	5	0	0	0	0	13	0	0	0	0
0	918	919	1	6	0	0	0	0	14	0	0	0	0
0	920	921	1	5	0	0	0	0	13	0	0	0	0
0	922	923	1	6	0	0	0	0	14	0	0	0	0
0	924	925	1	5	0	0	0	0	13	0	0	0	0
0	926	927	1	6	0	0	0	0	14	0	0	0	0
0	928	929	1	5	0	0	0	0	13	0	0	0	0
0	930	931	1	6	0	0	0	0	14	0	0	0	0
0	932	933	1	5	0	0	0	0	13	0	0	0	0
0	934	935	1	6	0	0	0	0	14	0	0	0	0
0	936	937	1	5	0	0	0	0	13	0	0	0	0
0	938	939	1	6	0	0	0	0	14	0	0	0	0
0	940	941	1	5	0	0	0	0	13	0	0	0	0
0	942	943	1	6	0	0	0	0	14	0	0	0	0
0	944	945	1	5	0	0	0	0	13	0	0	0	0
0	946	947	1	6	0	0	0	0	14	0	0	0	0
0	948	949	1	5	0	0	0	0	13	0	0	0	0
0	950	951	1	6	0	0	0	0	14	0	0	0	0
0	952	953	1	5	0	0	0	0	13	0	0	0	0
0	954	971	1	6	0	0	0	0	14	0	0	0	0
0	972	975	1	7	0	0	0	0	19	0	0	0	0
0	976	1006	1	3	0	0	0	0	7	0	0	0	0
0	1007	1014	1	4	0	0	0	0	8	0	0	0	0
0	1015	0	0	11	0	0	0	0	25	0	0	0	0
0	1016	1019	1	9	0	0	0	0	16	0	0	0	0
0	1020	1024	1	10	0	0	0	0	17	0	0	0	0
0	1025	1026	1	8	0	0	0	0	9	0	0	0	0

TOTAL NUMBER OF MATERIAL ASSIGNMENT SETS = 122

F R E E D O M T E M P L A T E

COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
U	V	W	THX	THY	THZ															

C O N S T R A I N T E Q U A T I O N S

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1365	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1365	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1365	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172516
1332	0	0	THZ	1.00000
1365	0	0	U	0.172516

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.202028
1332	0	0	THZ	-1.00000
1365	0	0	V	0.202028

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172516
1332	0	0	THX	-1.00000
1332	0	0	THY	0.853922
1365	0	0	W	0.172516

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	THX	1.00000
1421	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	THY	1.00000
1421	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	THZ	1.00000
1421	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	U	1.00000
1421	0	0	U	-1.00000
1421	0	0	THZ	0.644845

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	V	1.00000
1421	0	0	V	-1.00000
1421	0	0	THZ	0.459523

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	W	1.00000
1421	0	0	W	-1.00000
1421	0	0	THX	-0.644845
1421	0	0	THY	-0.459523

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THX	-1.00000
1416	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THY	-1.00000
1416	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THZ	-1.00000
1416	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	U	-1.00000
1366	0	0	THZ	0.628174
1416	0	0	U	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	V	-1.00000
1366	0	0	THZ	-0.887682
1416	0	0	V	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	W	-1.00000
1366	0	0	THX	-0.628174
1366	0	0	THY	0.887682
1416	0	0	W	1.00000

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1334	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1334	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1334	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172442
1332	0	0	THZ	-1.00000
1334	0	0	U	0.172442

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.903422
1332	0	0	THZ	-1.00000
1334	0	0	V	0.903422

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172442
1332	0	0	THX	1.00000
1332	0	0	THY	0.190876
1334	0	0	W	0.172442

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	U	0.305344
1414	0	0	U	-0.305344

1414 0 0 THZ -1.00000  
TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	1.00000
1414	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	-1.00000
1414	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	1.00000
1415	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	-1.00000
1415	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.266667
1332	0	0	THY	-1.00000
1332	0	0	THZ	-0.112423E-02
1417	0	0	U	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.266667
1332	0	0	THX	1.00000
1332	0	0	THZ	0.442837
1417	0	0	V	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.000000E+00











































































































665	731	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
666	728	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
666	729	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
666	731	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
666	732	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
667	729	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
667	730	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
667	732	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
667	733	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
668	726	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
668	727	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
668	730	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
668	733	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
669	412	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
669	425	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
669	709	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
669	731	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
670	425	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
670	426	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
670	731	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
670	732	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
671	426	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
671	427	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
671	732	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
671	733	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
672	424	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
672	427	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
672	727	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						
672	733	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
		-27.1700						
		0.000000E+00						

NUMBER OF LOADED NODES OR ELEMENTS = 2304  
LARGEST NODE OR ELEMENT NUMBER = 733

DATA STORAGE LOCATIONS USED = 27653

#### E L E M E N T O U T P U T

ELEMENTS WILL BE OUTPUT IN ASCENDING ORDER

FIRST ELT	LAST ELT	DIFF RNCE	OUTPUT CONTROL	AVERAGED NODAL VALUES GROUP	NODAL FORCE OUTPUT GROUP	HISTORY CONTROL	PLOT FILE CONTROL
1	1026	1	0	0	0	0	0

TOTAL NUMBER OF ELEMENT OUTPUT SETS = 1  
TOTAL NUMBER OF ELEMENTS OUTPUT = 1026  
LARGEST ELEMENT NUMBER INPUT = 1026  
LARGEST ELEMENT OUTPUT CONTROL NUMBER = 0

DATA STORAGE LOCATIONS USED = 4

#### N O D E O U T P U T





10	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
8	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
TOTALS FOR						
STRUCTURE	0.830675E+08	0.447877E+09	0.465380E+09	0.676143E+08	0.145745E+08	-0.509705E+08

MATERIAL SET	PRINCIPAL MOMENTS OF INERTIA ABOUT CENTROIDAL AXES						PRINCIPAL DIRECTIONS
	I 11		I 22		I 33		
	KG	M **2	KG	M **2	KG	M **2	
13	0.769852E+08	0.725929E+08	0.439223E+07	( 0.00, 0.00, 1.00)	(-0.02, 1.00, -0.00)	( 1.00, 0.02, -0.00)	
1	0.227094E+08	0.215678E+08	0.117858E+07	( 0.00, 0.00, 1.00)	(-0.02, 1.00, 0.00)	( 1.00, 0.02, -0.00)	
6	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
5	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
7	0.636593E+07	0.624452E+07	125098.	( 0.00, 0.00, 1.00)	(-0.01, 1.00, 0.00)	( 1.00, 0.01, -0.00)	
3	0.395617E+08	0.289317E+08	0.129421E+08	( 0.82, -0.29, -0.49)	(-0.43, 0.27, -0.86)	( 0.38, 0.92, 0.10)	
4	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
11	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
9	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
10	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
8	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
TOTALS FOR							
STRUCTURE	0.474279E+09	0.458038E+09	0.640070E+08	(-0.06, 0.36, 0.93)	( 0.21, 0.91, -0.34)	( 0.98, -0.18, 0.13)	

FORCE OUTPUT GROUP	RESULTANT APPLIED LOAD AT ORIGIN IN GLOBAL DIRECTIONS					
	Fx N	Fy N	Fz N	Mx N .M	My N .M	Mz N .M
LOAD CASE	5					
TOTALS FOR						
STRUCTURE	-0.104774E-08	-0.349246E-09	-0.141364E-25	0.206637E-08	-0.640284E-09	-0.275671E-06

AVERAGE ASPECT RATIO OF STRUCTURAL ELEMENTS (EXCEPT JOINTS, BARS AND BEAMS) = 1.200  
 AVERAGE VALUE OF POISSON'S RATIO (FOR ISOTROPIC MATERIALS ONLY) = 0.2390

TOTAL TIME FOR GLOBAL MATRIX ASSEMBLY = 0.18000E-01 SEC.  
 TOTAL NUMBER OF NONZERO ENTRIES IN THE MATRIX = 118388

LOCATIONS USED DURING PRE-SOLUTION PROCESS = 459903  
 LOCATIONS AVAILABLE = 98304000

TOTAL NO. OF STRUCTURAL DEGREES OF FREEDOM = 5907  
 TOTAL NO. OF ACTIVE DEGREES OF FREEDOM = 5907  
 TOTAL NO. OF EQUATIONS = 5958  
 TOTAL NO. OF ACTIVE NODES = 985

NUMBER OF ELEMENT GROUPS = 34  
 MAXIMUM NUMBER OF ELEMENTS IN A GROUP = 32

MAXIMUM SIZE OF ELEMENT DATA RECORDS = 21593  
 MAXIMUM SIZE OF ELEMENT RESULT RECORDS = 15523  
 MAXIMUM SIZE OF ELEMENT SOLUTION RECORDS = 0  
 MAXIMUM SIZE OF ELEMENT SHAPE RECORDS = 6002  
 TOTAL SIZE OF ELEMENT DATA RECORDS = 490716  
 TOTAL SIZE OF ELEMENT RESULT RECORDS = 402847  
 TOTAL SIZE OF ELEMENT SOLUTION RECORDS = 0  
 TOTAL SIZE OF GLOBAL SOLUTION RECORD = 37848  
 TOTAL SIZE OF GLOBAL MATRIX & RHS RECORDS = 189526

TIME FOR PRE-SOLUTION PROCESS = 0.66000E-01 SEC. (ALL ELEMENT STIFFNESS MATRICES)

TIME AT CENTRAL PROCESSOR = 10:59:26 ON 14/05/21 (DAY/MTH/YR)

S O L U T I O N B Y F R O N T A L S P A R S E M A T R I X T E C H N I Q U E

=====

= Parallel multifrontal solver statistics =

=====

Solving symmetric indefinite matrix  
 Minimum degree equation re-ordering algorithm used  
 Number of nonzeros in L and U = 389982  
 Number of iterative refinement steps = 4  
 Number of positive eigenvalues = 5877  
 Number of negative eigenvalues = 51  
 Peak memory used during analysis and symbolic factorisation (MB) = 4.69  
 Total peak memory used during solve (MB) = 8.46  
 In-memory/out-of-memory solution executed

FINAL RELATIVE ERROR CONSTANT FOR SOLUTION = 0.18724E-24

TOTAL ELAPSED TIME USED SOLVING EQUATIONS = 0 HRS 0 MINS 0 SECS

LOCATIONS USED DURING POST-SOLUTION PROCESS = 462775  
 LOCATIONS AVAILABLE = 98304000

ACTUAL TOTAL NO. EDGES IN STRUCTURE = 1565  
 ACTUAL TOTAL NO. FACES IN STRUCTURE = 576

TIME FOR POST-SOLUTION PROCESS = 0.33000 SEC.

TOTAL CPU TIME USED FOR SOLUTION = 1.3470 SEC.  
TOTAL ELAPSED TIME USED FOR SOLUTION = 0 HRS 0 MINS 1 SECS  
TIME AT CENTRAL PROCESSOR = 10:59:26 ON 14/05/21 (DAY/MTH/YR)

I/O STATISTICS OF MAIN DIRECT ACCESS DISK UNITS

Disk Unit Name	Disk Page Size (Bytes)	Calls to I/O Routines	Buffered Transfers	Disk Accesses	Page Table Swaps	Peak File Size (Mbytes)
PROBLEM	16384	719	1862	0	0	0.1562500E-01
FRONTAL	16384	0	0	0	0	0.1562500E-01
SHAPES	16384	46	74	0	0	0.1562500E-01
PLOT	16384	1046	1254	0	0	3.343750
RESTART	0	0	0	0	0	0.0000000E+00

\*\*\*LUSAS RUN SUCCESSFULLY COMPLETED\*\*\*

TIME AT CENTRAL PROCESSOR = 10:59:00 ON 14/05/21 (DAY/MTH/YR)

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

NLPZ 98304000  
NPGS 960  
MXELGP 32

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

IDTIME 1

LL UU UU SSSSSS AAAA SSSSSS  
LL UU UU SS SS AA AA SS SS  
LL UU UU SS AA AA SS  
LL UU UU SSSSSS AAAAAAAA SSSSSS  
LL UU UU SSSSSS AAAAAAAA SSSSSS  
LL UU UU SS AA AA SS  
LLLLLLLL UU UU SS SS AA AA SS SS  
LLLLLLLL UUUUUU SSSSSS AA AA SSSSSS

Build Information : KITBUILD03 - Feb 16 2021 02:12:17

Kit Version : 19.1-B3  
Solver Version : 19.1.1233.7156 (32-bit)

Developed by: LUSAS,  
Forge House,  
66 High Street,  
Kingston upon Thames,  
Surrey, KT1 1HN, UK  
www.lusas.com  
  
Sales Enquiries: Tel +44 (0)20 8541 1999  
Fax +44 (0)20 8549 9399  
Email: info@lusas.com  
  
Customer Support: Tel +44 (0)20 3325 0440  
Fax +44 (0)20 8549 9399  
Email: support@lusas.com

KeyID 15062 licensed on PC processor. Expires 1-07-2021  
Using Sentinel license server.  
Analysis Options : Nonlinear, Dynamics, Thermal/Field, FDS (Fast Direct Solver)  
Element Library : Plus

Solver executed : C:\Program Files (x86)\LUSAS191\Programs\Lusas\_S.exe  
Input file :

V:\100\_comesse\100\_699\571\_343\_Imp\_misti\_Ragusana\_SS194\_Sintagma.AS\L4\_VI05\_06\_Buonafede\modelli\sottostrutture\LUSASFiles32\Buonafede\_sottostr\_r02  
\Buonafede\_sottostr\_r02~04 - Fase3.dat

Number of processors available : 4  
Maximum number of threads available : 4

Memory request for 1105Mb Succeeded

TIME AT CENTRAL PROCESSOR = 10:59:00 ON 14/05/21 (DAY/MTH/YR)

P R O B L E M 1

Viadotto Buonafede - sottostrutture

U N I T S N M K G S C

GRAVITY DIRECTION = Z ACCELERATION = -9.810

O P T I O N(S) 2 SUPPRESS NODE COORDINATE CHECKS FOR SIMILAR COORDS AND MISSING NODES

O P T I O N(S) 48 SWITCH CBF/BFP INPUT FROM FORCE/UNIT VOLUME TO ACCELERATION

O P T I O N(S) 61 ALL TWO DIMENSIONAL SLIDELINE SURFACES DEFINED WITH OUTWARD NORMALS

O P T I O N(S) 123 CLOCKWISE NODE NUMBERING

O P T I O N(S) -131 PARALLEL FRONTAL SOLVER ALGORITHM

O P T I O N(S) 242 TEMPERATURES INPUT AND OUTPUT IN DEGREES CELSIUS  
 O P T I O N(S) 250 DATAFILE HAS BEEN CREATED BY MODELLER  
 O P T I O N(S) 253 EMISSIVITY SPECIFIED IN THERMAL ENVIRONMENT PROPERTIES  
 O P T I O N(S) 259 SAVE NODAL STRESSES IN PLOT FILE TO AVOID STRESS EXTRAPOLATION IN MODELLER  
 O P T I O N(S) 272 ACTIVATE OR DEACTIVATE ELEMENTS  
 O P T I O N(S) 278 ASSIGN SIX DEGREES OF FREEDOM TO ALL THICK SHELL ELEMENT NODES  
 O P T I O N(S) -282 F SET SLOANE FRONTAL OPTIMISER AS DEFAULT  
 O P T I O N(S) 324 SPECIFY DAMPING PROPERTIES FOR JOINT PROPERTIES GENERAL EXPLICITLY  
 O P T I O N(S) 386 USE OF WEIGHTED FORCE/STIFFNESS DISTRIBUTION WITH SLIDELINES  
 O P T I O N(S) 396 IMPROVED TOP/MIDDLE/BOTTOM TRANSVERSE SHEAR STRESS CALCULATION FOR THICK SHELL ELEMENTS  
 O P T I O N(S) 399 RETAIN INACTIVE ELEMENTS IN BIRTH AND DEATH SOLUTION (OLD ANALYSIS TYPE)  
 O P T I O N(S) 414 INTRODUCE RESIDUAL BENDING FLEXIBILITY CORRECTION FOR 2-NODE THICK BEAM BTS3  
 O P T I O N(S) 416 DATA FILE CREATED IN V15.0 OR LATER  
 O P T I O N(S) 433 USE HERMITIAN SHAPE FUNCTIONS TO FORMULATE THE MASS MATRIX FOR 2-NODE THICK BEAMS

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
JSH4	ELEMENTS			
1016	1319	1288	1426	1427
1017	1325	1296	1428	1429
1018	1322	1304	1430	1431
1019	1328	1312	1432	1433
1020	1412	1414	1434	1435
1021	1413	1415	1436	1437
1022	1416	1424	1438	1439
1023	1420	1331	1440	1441
1024	1421	1425	1442	1443
1025	1422	492	1444	1445
1026	1423	714	1446	1447

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
QTS4	ELEMENTS			
1	1	3	8	7
2	3	4	9	8
3	4	5	10	9
4	5	2	6	10
5	2	12	15	6
6	12	13	16	15
7	13	11	14	16
8	11	17	18	14
9	17	20	24	18
10	20	21	25	24
11	21	22	26	25
12	22	19	23	26
13	19	28	32	23
14	28	29	33	32
15	29	30	34	33
16	30	27	31	34
17	27	36	38	31
18	36	35	37	38
19	35	40	42	37
20	40	39	41	42
21	39	44	48	41
22	44	45	49	48

23	45	46	50	49
24	46	43	47	50
25	43	52	56	47
26	52	53	57	56
27	53	54	58	57
28	54	51	55	58
29	51	60	62	55
30	60	59	61	62
31	59	64	66	61
32	64	63	65	66
33	63	68	72	65
34	68	69	73	72
35	69	70	74	73
36	70	67	71	74
37	67	76	80	71
38	76	77	81	80
39	77	78	82	81
40	78	75	79	82
41	75	83	84	79
42	83	86	89	84
43	86	87	90	89
44	87	85	88	90
45	85	92	96	88
46	92	93	97	96
47	93	94	98	97
48	94	91	95	98
53	7	8	110	109
54	8	9	111	110
55	9	10	112	111
56	10	6	100	112
57	109	110	102	101
58	110	111	103	102
59	111	112	104	103
60	112	100	99	104
64	6	15	120	100
65	15	16	121	120
66	16	14	114	121
67	100	120	115	99
68	120	121	116	115
69	121	114	113	116
71	14	18	123	114
72	114	123	122	113
77	18	24	134	123
78	24	25	135	134
79	25	26	136	135
80	26	23	126	136
81	123	134	127	122
82	134	135	128	127
83	135	136	129	128
84	136	126	125	129
89	23	32	146	126
90	32	33	147	146
91	33	34	148	147
92	34	31	138	148
93	126	146	139	125
94	146	147	140	139
95	147	148	141	140
96	148	138	137	141
99	31	38	154	138
100	38	37	150	154
101	138	154	151	137
102	154	150	149	151
105	37	42	160	150
106	42	41	156	160
107	150	160	157	149
108	160	156	155	157
113	41	48	170	156
114	48	49	171	170
115	49	50	172	171
116	50	47	162	172
117	156	170	163	155
118	170	171	164	163
119	171	172	165	164
120	172	162	161	165
125	47	56	182	162
126	56	57	183	182
127	57	58	184	183
128	58	55	174	184
129	162	182	175	161
130	182	183	176	175
131	183	184	177	176
132	184	174	173	177
135	55	62	190	174
136	62	61	186	190
137	174	190	187	173
138	190	186	185	187
141	61	66	196	186
142	66	65	192	196
143	186	196	193	185
144	196	192	191	193
149	65	72	206	192
150	72	73	207	206
151	73	74	208	207
152	74	71	198	208
153	192	206	199	191
154	206	207	200	199
155	207	208	201	200
156	208	198	197	201

161	71	80	218	198
162	80	81	219	218
163	81	82	220	219
164	82	79	210	220
165	198	218	211	197
166	218	219	212	211
167	219	220	213	212
168	220	210	209	213
170	79	84	222	210
171	210	222	221	209
175	84	89	231	222
176	89	90	232	231
177	90	88	225	232
178	222	231	226	221
179	231	232	227	226
180	232	225	224	227
185	88	96	242	225
186	96	97	243	242
187	97	98	244	243
188	98	95	234	244
189	225	242	235	224
190	242	243	236	235
191	243	244	237	236
192	244	234	233	237
197	245	247	261	260
198	247	248	262	261
199	248	249	263	262
200	249	246	255	263
201	260	261	257	256
202	261	262	258	257
203	262	263	259	258
204	263	255	254	259
208	246	265	274	255
209	265	266	275	274
210	266	264	271	275
211	255	274	272	254
212	274	275	273	272
213	275	271	270	273
215	264	276	279	271
216	271	279	278	270
221	276	281	293	279
222	281	282	294	293
223	282	283	295	294
224	283	280	289	295
225	279	293	290	278
226	293	294	291	290
227	294	295	292	291
228	295	289	288	292
233	280	297	309	289
234	297	298	310	309
235	298	299	311	310
236	299	296	305	311
237	289	309	306	288
238	309	310	307	306
239	310	311	308	307
240	311	305	304	308
243	296	313	319	305
244	313	312	317	319
245	305	319	318	304
246	319	317	316	318
249	312	321	327	317
250	321	320	325	327
251	317	327	326	316
252	327	325	324	326
257	320	329	341	325
258	329	330	342	341
259	330	331	343	342
260	331	328	337	343
261	325	341	338	324
262	341	342	339	338
263	342	343	340	339
264	343	337	336	340
269	328	345	357	337
270	345	346	358	357
271	346	347	359	358
272	347	344	353	359
273	337	357	354	336
274	357	358	355	354
275	358	359	356	355
276	359	353	352	356
279	344	361	367	353
280	361	360	365	367
281	353	367	366	352
282	367	365	364	366
285	360	369	375	365
286	369	368	373	375
287	365	375	374	364
288	375	373	372	374
293	368	377	389	373
294	377	378	390	389
295	378	379	391	390
296	379	376	385	391
297	373	389	386	372
298	389	390	387	386
299	390	391	388	387
300	391	385	384	388
305	376	393	405	385
306	393	394	406	405

307	394	395	407	406
308	395	392	401	407
309	385	405	402	384
310	405	406	403	402
311	406	407	404	403
312	407	401	400	404
314	392	408	411	401
315	401	411	410	400
319	408	413	422	411
320	413	414	423	422
321	414	412	419	423
322	411	422	420	410
323	422	423	421	420
324	423	419	418	421
329	412	425	437	419
330	425	426	438	437
331	426	427	439	438
332	427	424	433	439
333	419	437	434	418
334	437	438	435	434
335	438	439	436	435
336	439	433	432	436
337	256	257	442	441
338	257	258	443	442
339	258	259	444	443
340	259	254	440	444
341	254	272	446	440
342	272	273	447	446
343	273	270	445	447
344	270	278	448	445
345	278	290	450	448
346	290	291	451	450
347	291	292	452	451
348	292	288	449	452
349	288	306	454	449
350	306	307	455	454
351	307	308	456	455
352	308	304	453	456
353	304	318	458	453
354	318	316	457	458
355	316	326	460	457
356	326	324	459	460
357	324	338	462	459
358	338	339	463	462
359	339	340	464	463
360	340	336	461	464
361	336	354	466	461
362	354	355	467	466
363	355	356	468	467
364	356	352	465	468
365	352	366	470	465
366	366	364	469	470
367	364	374	472	469
368	374	372	471	472
369	372	386	474	471
370	386	387	475	474
371	387	388	476	475
372	388	384	473	476
373	384	402	478	473
374	402	403	479	478
375	403	404	480	479
376	404	400	477	480
377	400	410	481	477
378	410	420	483	481
379	420	421	484	483
380	421	418	482	484
381	418	434	486	482
382	434	435	487	486
383	435	436	488	487
384	436	432	485	488
385	101	102	498	496
386	102	103	499	498
387	103	104	500	499
388	104	99	490	500
389	496	498	501	497
390	498	499	502	501
391	499	500	503	502
392	500	490	491	503
393	497	501	495	492
394	501	502	494	495
395	502	503	493	494
396	503	491	489	493
397	492	495	508	506
398	495	494	509	508
399	494	493	510	509
400	493	489	504	510
401	506	508	511	507
402	508	509	512	511
403	509	510	513	512
404	510	504	505	513
405	507	511	247	245
406	511	512	248	247
407	512	513	249	248
408	513	505	246	249
409	99	115	519	490
410	115	116	520	519
411	116	113	515	520
412	490	519	521	491



413	519	520	522	521
414	520	515	516	522
415	491	521	518	489
416	521	522	517	518
417	522	516	514	517
418	489	518	525	504
419	518	517	526	525
420	517	514	523	526
421	504	525	527	505
422	525	526	528	527
423	526	523	524	528
424	505	527	265	246
425	527	528	266	265
426	528	524	264	266
427	113	122	530	515
428	515	530	531	516
429	516	531	529	514
430	514	529	532	523
431	523	532	533	524
432	524	533	276	264
433	122	127	540	530
434	127	128	541	540
435	128	129	542	541
436	129	125	535	542
437	530	540	543	531
438	540	541	544	543
439	541	542	545	544
440	542	535	536	545
441	531	543	539	529
442	543	544	538	539
443	544	545	537	538
444	545	536	534	537
445	529	539	548	532
446	539	538	549	548
447	538	537	550	549
448	537	534	546	550
449	532	548	551	533
450	548	549	552	551
451	549	550	553	552
452	550	546	547	553
453	533	551	281	276
454	551	552	282	281
455	552	553	283	282
456	553	547	280	283
457	125	139	560	535
458	139	140	561	560
459	140	141	562	561
460	141	137	555	562
461	535	560	563	536
462	560	561	564	563
463	561	562	565	564
464	562	555	556	565
465	536	563	559	534
466	563	564	558	559
467	564	565	557	558
468	565	556	554	557
469	534	559	568	546
470	559	558	569	568
471	558	557	570	569
472	557	554	566	570
473	546	568	571	547
474	568	569	572	571
475	569	570	573	572
476	570	566	567	573
477	547	571	297	280
478	571	572	298	297
479	572	573	299	298
480	573	567	296	299
481	137	151	578	555
482	151	149	575	578
483	555	578	579	556
484	578	575	576	579
485	556	579	577	554
486	579	576	574	577
487	554	577	582	566
488	577	574	580	582
489	566	582	583	567
490	582	580	581	583
491	567	583	313	296
492	583	581	312	313
493	149	157	588	575
494	157	155	585	588
495	575	588	589	576
496	588	585	586	589
497	576	589	587	574
498	589	586	584	587
499	574	587	592	580
500	587	584	590	592
501	580	592	593	581
502	592	590	591	593
503	581	593	321	312
504	593	591	320	321
505	155	163	600	585
506	163	164	601	600
507	164	165	602	601
508	165	161	595	602
509	585	600	603	586
510	600	601	604	603

511	601	602	605	604
512	602	595	596	605
513	586	603	599	584
514	603	604	598	599
515	604	605	597	598
516	605	596	594	597
517	584	599	608	590
518	599	598	609	608
519	598	597	610	609
520	597	594	606	610
521	590	608	611	591
522	608	609	612	611
523	609	610	613	612
524	610	606	607	613
525	591	611	329	320
526	611	612	330	329
527	612	613	331	330
528	613	607	328	331
529	161	175	620	595
530	175	176	621	620
531	176	177	622	621
532	177	173	615	622
533	595	620	623	596
534	620	621	624	623
535	621	622	625	624
536	622	615	616	625
537	596	623	619	594
538	623	624	618	619
539	624	625	617	618
540	625	616	614	617
541	594	619	628	606
542	619	618	629	628
543	618	617	630	629
544	617	614	626	630
545	606	628	631	607
546	628	629	632	631
547	629	630	633	632
548	630	626	627	633
549	607	631	345	328
550	631	632	346	345
551	632	633	347	346
552	633	627	344	347
553	173	187	638	615
554	187	185	635	638
555	615	638	639	616
556	638	635	636	639
557	616	639	637	614
558	639	636	634	637
559	614	637	642	626
560	637	634	640	642
561	626	642	643	627
562	642	640	641	643
563	627	643	361	344
564	643	641	360	361
565	185	193	648	635
566	193	191	645	648
567	635	648	649	636
568	648	645	646	649
569	636	649	647	634
570	649	646	644	647
571	634	647	652	640
572	647	644	650	652
573	640	652	653	641
574	652	650	651	653
575	641	653	369	360
576	653	651	368	369
577	191	199	660	645
578	199	200	661	660
579	200	201	662	661
580	201	197	655	662
581	645	660	663	646
582	660	661	664	663
583	661	662	665	664
584	662	655	656	665
585	646	663	659	644
586	663	664	658	659
587	664	665	657	658
588	665	656	654	657
589	644	659	668	650
590	659	658	669	668
591	658	657	670	669
592	657	654	666	670
593	650	668	671	651
594	668	669	672	671
595	669	670	673	672
596	670	666	667	673
597	651	671	377	368
598	671	672	378	377
599	672	673	379	378
600	673	667	376	379
601	197	211	680	655
602	211	212	681	680
603	212	213	682	681
604	213	209	675	682
605	655	680	683	656
606	680	681	684	683
607	681	682	685	684
608	682	675	676	685

609	656	683	679	654
610	683	684	678	679
611	684	685	677	678
612	685	676	674	677
613	654	679	688	666
614	679	678	689	688
615	678	677	690	689
616	677	674	686	690
617	666	688	691	667
618	688	689	692	691
619	689	690	693	692
620	690	686	687	693
621	667	691	393	376
622	691	692	394	393
623	692	693	395	394
624	693	687	392	395
625	209	221	695	675
626	675	695	696	676
627	676	696	694	674
628	674	694	697	686
629	686	697	698	687
630	687	698	408	392
631	221	226	704	695
632	226	227	705	704
633	227	224	700	705
634	695	704	706	696
635	704	705	707	706
636	705	700	701	707
637	696	706	703	694
638	706	707	702	703
639	707	701	699	702
640	694	703	710	697
641	703	702	711	710
642	702	699	708	711
643	697	710	712	698
644	710	711	713	712
645	711	708	709	713
646	698	712	413	408
647	712	713	414	413
648	713	709	412	414
649	224	235	720	700
650	235	236	721	720
651	236	237	722	721
652	237	233	715	722
653	700	720	723	701
654	720	721	724	723
655	721	722	725	724
656	722	715	716	725
657	701	723	719	699
658	723	724	718	719
659	724	725	717	718
660	725	716	714	717
661	699	719	728	708
662	719	718	729	728
663	718	717	730	729
664	717	714	726	730
665	708	728	731	709
666	728	729	732	731
667	729	730	733	732
668	730	726	727	733
669	709	731	425	412
670	731	732	426	425
671	732	733	427	426
672	733	727	424	427

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS		
	ELEMENTS		
PM3			
1015	1417	1418	1419

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS	END CONDITIONS (C=CONSTRAINED, F=FREE, R=RESTRAINED)	
	ELEMENTS		
BMI21			
49	101	102	105
50	102	103	106
51	103	104	107
52	104	99	108
61	99	115	117
62	115	116	118
63	116	113	119
70	113	122	124
73	122	127	130
74	127	128	131
75	128	129	132
76	129	125	133

85	125	139	142
86	139	140	143
87	140	141	144
88	141	137	145
97	137	151	152
98	151	149	153
103	149	157	158
104	157	155	159
109	155	163	166
110	163	164	167
111	164	165	168
112	165	161	169
121	161	175	178
122	175	176	179
123	176	177	180
124	177	173	181
133	173	187	188
134	187	185	189
139	185	193	194
140	193	191	195
145	191	199	202
146	199	200	203
147	200	201	204
148	201	197	205
157	197	211	214
158	211	212	215
159	212	213	216
160	213	209	217
169	209	221	223
172	221	226	228
173	226	227	229
174	227	224	230
181	224	235	238
182	235	236	239
183	236	237	240
184	237	233	241
193	245	247	250
194	247	248	251
195	248	249	252
196	249	246	253
205	246	265	267
206	265	266	268
207	266	264	269
214	264	276	277
217	276	281	284
218	281	282	285
219	282	283	286
220	283	280	287
229	280	297	300
230	297	298	301
231	298	299	302
232	299	296	303
241	296	313	314
242	313	312	315
247	312	321	322
248	321	320	323
253	320	329	332
254	329	330	333
255	330	331	334
256	331	328	335
265	328	345	348
266	345	346	349
267	346	347	350
268	347	344	351
277	344	361	362
278	361	360	363
283	360	369	370
284	369	368	371
289	368	377	380
290	377	378	381
291	378	379	382
292	379	376	383
301	376	393	396
302	393	394	397
303	394	395	398
304	395	392	399
313	392	408	409
316	408	413	415
317	413	414	416
318	414	412	417
325	412	425	428
326	425	426	429
327	426	427	430
328	427	424	431
673	101	735	736
674	735	734	737
675	99	739	740
676	739	738	741
677	122	743	744
678	743	742	745
679	125	747	748
680	747	746	749
681	137	751	752
682	751	750	753
683	155	755	756
684	755	754	757
685	161	759	760
686	759	758	761

687	173	763	764
688	763	762	765
689	191	767	768
690	767	766	769
691	197	771	772
692	771	770	773
693	209	775	776
694	775	774	777
695	224	779	780
696	779	778	781
697	233	783	784
698	783	782	785
699	245	787	788
700	787	786	789
701	246	791	792
702	791	790	793
703	276	795	796
704	795	794	797
705	280	799	800
706	799	798	801
707	296	803	804
708	803	802	805
709	320	807	808
710	807	806	809
711	328	811	812
712	811	810	813
713	344	815	816
714	815	814	817
715	368	819	820
716	819	818	821
717	376	823	824
718	823	822	825
719	392	827	828
720	827	826	829
721	412	831	832
722	831	830	833
723	424	835	836
724	835	834	837
725	734	839	840
726	839	838	841
727	782	843	844
728	843	842	845
729	786	847	848
730	847	846	849
731	834	851	852
732	851	850	853
733	738	855	856
734	855	854	857
735	742	859	860
736	859	858	861
737	746	863	864
738	863	862	865
739	750	867	868
740	867	866	869
741	754	871	872
742	871	870	873
743	758	875	876
744	875	874	877
745	762	879	880
746	879	878	881
747	766	883	884
748	883	882	885
749	770	887	888
750	887	886	889
751	774	891	892
752	891	890	893
753	778	895	896
754	895	894	897
755	790	899	900
756	899	898	901
757	794	903	904
758	903	902	905
759	798	907	908
760	907	906	909
761	802	911	912
762	911	910	913
763	806	915	916
764	915	914	917
765	810	919	920
766	919	918	921
767	814	923	924
768	923	922	925
769	818	927	928
770	927	926	929
771	822	931	932
772	931	930	933
773	826	935	936
774	935	934	937
775	830	939	940
776	939	938	941
777	838	942	948
778	942	943	949
779	943	944	950
780	944	945	951
781	945	946	952
782	946	947	953
783	947	846	954
784	842	955	961

785	955	956	962
786	956	957	963
787	957	958	964
788	958	959	965
789	959	960	966
790	960	850	967
791	854	968	974
792	968	969	975
793	969	970	976
794	970	971	977
795	971	972	978
796	972	973	979
797	973	898	980
798	858	981	987
799	981	982	988
800	982	983	989
801	983	984	990
802	984	985	991
803	985	986	992
804	986	902	993
805	862	994	1000
806	994	995	1001
807	995	996	1002
808	996	997	1003
809	997	998	1004
810	998	999	1005
811	999	906	1006
812	866	1007	1013
813	1007	1008	1014
814	1008	1009	1015
815	1009	1010	1016
816	1010	1011	1017
817	1011	1012	1018
818	1012	910	1019
819	870	1020	1026
820	1020	1021	1027
821	1021	1022	1028
822	1022	1023	1029
823	1023	1024	1030
824	1024	1025	1031
825	1025	914	1032
826	874	1033	1039
827	1033	1034	1040
828	1034	1035	1041
829	1035	1036	1042
830	1036	1037	1043
831	1037	1038	1044
832	1038	918	1045
833	878	1046	1052
834	1046	1047	1053
835	1047	1048	1054
836	1048	1049	1055
837	1049	1050	1056
838	1050	1051	1057
839	1051	922	1058
840	882	1059	1065
841	1059	1060	1066
842	1060	1061	1067
843	1061	1062	1068
844	1062	1063	1069
845	1063	1064	1070
846	1064	926	1071
847	886	1072	1078
848	1072	1073	1079
849	1073	1074	1080
850	1074	1075	1081
851	1075	1076	1082
852	1076	1077	1083
853	1077	930	1084
854	890	1085	1091
855	1085	1086	1092
856	1086	1087	1093
857	1087	1088	1094
858	1088	1089	1095
859	1089	1090	1096
860	1090	934	1097
861	894	1098	1104
862	1098	1099	1105
863	1099	1100	1106
864	1100	1101	1107
865	1101	1102	1108
866	1102	1103	1109
867	1103	938	1110
868	1111	1113	1114
869	1113	1112	1115
870	854	1116	1117
871	1116	1111	1118
872	1119	1121	1122
873	1121	1120	1123
874	858	1124	1125
875	1124	1119	1126
876	1127	1129	1130
877	1129	1128	1131
878	862	1132	1133
879	1132	1127	1134
880	1135	1137	1138
881	1137	1136	1139
882	866	1140	1141

883	1140	1135	1142
884	1143	1145	1146
885	1145	1144	1147
886	870	1148	1149
887	1148	1143	1150
888	1151	1153	1154
889	1153	1152	1155
890	874	1156	1157
891	1156	1151	1158
892	1159	1161	1162
893	1161	1160	1163
894	878	1164	1165
895	1164	1159	1166
896	1167	1169	1170
897	1169	1168	1171
898	882	1172	1173
899	1172	1167	1174
900	1175	1177	1178
901	1177	1176	1179
902	886	1180	1181
903	1180	1175	1182
904	1183	1185	1186
905	1185	1184	1187
906	890	1188	1189
907	1188	1183	1190
908	1191	1193	1194
909	1193	1192	1195
910	894	1196	1197
911	1196	1191	1198
912	1199	1201	1202
913	1201	1200	1203
914	898	1204	1205
915	1204	1199	1206
916	1207	1209	1210
917	1209	1208	1211
918	902	1212	1213
919	1212	1207	1214
920	1215	1217	1218
921	1217	1216	1219
922	906	1220	1221
923	1220	1215	1222
924	1223	1225	1226
925	1225	1224	1227
926	910	1228	1229
927	1228	1223	1230
928	1231	1233	1234
929	1233	1232	1235
930	914	1236	1237
931	1236	1231	1238
932	1239	1241	1242
933	1241	1240	1243
934	918	1244	1245
935	1244	1239	1246
936	1247	1249	1250
937	1249	1248	1251
938	922	1252	1253
939	1252	1247	1254
940	1255	1257	1258
941	1257	1256	1259
942	926	1260	1261
943	1260	1255	1262
944	1263	1265	1266
945	1265	1264	1267
946	930	1268	1269
947	1268	1263	1270
948	1271	1273	1274
949	1273	1272	1275
950	934	1276	1277
951	1276	1271	1278
952	1279	1281	1282
953	1281	1280	1283
954	938	1284	1285
955	1284	1279	1286
956	1287	1289	1290
957	1289	1288	1291
958	838	1292	1293
959	1292	1287	1294
960	1295	1297	1298
961	1297	1296	1299
962	846	1300	1301
963	1300	1295	1302
964	1303	1305	1306
965	1305	1304	1307
966	842	1308	1309
967	1308	1303	1310
968	1311	1313	1314
969	1313	1312	1315
970	850	1316	1317
971	1316	1311	1318
972	1319	1320	1321
973	1322	1323	1324
974	1325	1326	1327
975	1328	1329	1330
976	1331	1332	1333
977	1334	1336	1342
978	1336	1337	1343
979	1337	1338	1344
980	1338	1339	1345

981	1339	1340	1346
982	1340	1341	1347
983	1341	1335	1348
984	1335	1350	1357
985	1350	1351	1358
986	1351	1352	1359
987	1352	1353	1360
988	1353	1354	1361
989	1354	1355	1362
990	1355	1356	1363
991	1356	1349	1364
992	1365	1367	1373
993	1367	1368	1374
994	1368	1369	1375
995	1369	1370	1376
996	1370	1371	1377
997	1371	1372	1378
998	1372	1366	1379
999	1366	1381	1388
1000	1381	1382	1389
1001	1382	1383	1390
1002	1383	1384	1391
1003	1384	1385	1392
1004	1385	1386	1393
1005	1386	1387	1394
1006	1387	1380	1395
1007	1396	1397	1400
1008	1397	1398	1401
1009	1398	1399	1402
1010	1399	1334	1403
1011	1404	1405	1408
1012	1405	1406	1409
1013	1406	1407	1410
1014	1407	1365	1411

TOTAL NUMBER OF ELEMENTS = 1026  
LARGEST ELEMENT NUMBER = 1026  
LARGEST NODE NUMBER = 1447

DEFAULT SOLVER CHOSEN

NODE COORDINATES

NODE NO.	COORDINATE IN	COORDINATE IN	COORDINATE IN
	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
	M	M	M
1	0.000000E+00	0.000000E+00	0.000000E+00
2	3.87500	0.000000E+00	0.000000E+00
3	0.968750	0.000000E+00	0.000000E+00
4	1.93750	0.000000E+00	0.000000E+00
5	2.90625	0.000000E+00	0.000000E+00
6	4.13700	0.750000	0.000000E+00
7	0.262000	0.750000	0.000000E+00
8	1.23075	0.750000	0.000000E+00
9	2.19950	0.750000	0.000000E+00
10	3.16825	0.750000	0.000000E+00
11	7.25000	0.000000E+00	0.000000E+00
12	5.00000	0.000000E+00	0.000000E+00
13	6.12500	0.000000E+00	0.000000E+00
14	7.51200	0.750000	0.000000E+00
15	5.26200	0.750000	0.000000E+00
16	6.38700	0.750000	0.000000E+00
17	7.75000	0.000000E+00	0.000000E+00
18	8.01200	0.750000	0.000000E+00
19	11.6250	0.000000E+00	0.000000E+00
20	8.71875	0.000000E+00	0.000000E+00
21	9.68750	0.000000E+00	0.000000E+00
22	10.6562	0.000000E+00	0.000000E+00
23	11.8870	0.750000	0.000000E+00
24	8.98075	0.750000	0.000000E+00
25	9.94950	0.750000	0.000000E+00
26	10.9182	0.750000	0.000000E+00
27	15.5000	0.000000E+00	0.000000E+00
28	12.5938	0.000000E+00	0.000000E+00
29	13.5625	0.000000E+00	0.000000E+00
30	14.5313	0.000000E+00	0.000000E+00
31	15.7620	0.750000	0.000000E+00
32	12.8557	0.750000	0.000000E+00
33	13.8245	0.750000	0.000000E+00
34	14.7933	0.750000	0.000000E+00
35	17.2500	0.000000E+00	0.000000E+00
36	16.3750	0.000000E+00	0.000000E+00
37	17.5120	0.750000	0.000000E+00
38	16.6370	0.750000	0.000000E+00
39	19.3750	0.000000E+00	0.000000E+00
40	18.3125	0.000000E+00	0.000000E+00
41	19.6370	0.750000	0.000000E+00
42	18.5745	0.750000	0.000000E+00
43	23.2500	0.000000E+00	0.000000E+00
44	20.3438	0.000000E+00	0.000000E+00
45	21.3125	0.000000E+00	0.000000E+00



46	22.2813	0.000000E+00	0.000000E+00
47	23.5120	0.750000	0.000000E+00
48	20.6058	0.750000	0.000000E+00
49	21.5745	0.750000	0.000000E+00
50	22.5433	0.750000	0.000000E+00
51	27.1250	0.000000E+00	0.000000E+00
52	24.2187	0.000000E+00	0.000000E+00
53	25.1875	0.000000E+00	0.000000E+00
54	26.1563	0.000000E+00	0.000000E+00
55	27.3870	0.750000	0.000000E+00
56	24.4807	0.750000	0.000000E+00
57	25.4495	0.750000	0.000000E+00
58	26.4183	0.750000	0.000000E+00
59	29.2500	0.000000E+00	0.000000E+00
60	28.1875	0.000000E+00	0.000000E+00
61	29.5120	0.750000	0.000000E+00
62	28.4495	0.750000	0.000000E+00
63	31.0000	0.000000E+00	0.000000E+00
64	30.1250	0.000000E+00	0.000000E+00
65	31.2620	0.750000	0.000000E+00
66	30.3870	0.750000	0.000000E+00
67	34.8750	0.000000E+00	0.000000E+00
68	31.9687	0.000000E+00	0.000000E+00
69	32.9375	0.000000E+00	0.000000E+00
70	33.9062	0.000000E+00	0.000000E+00
71	35.1370	0.750000	0.000000E+00
72	32.2308	0.750000	0.000000E+00
73	33.1995	0.750000	0.000000E+00
74	34.1682	0.750000	0.000000E+00
75	38.7500	0.000000E+00	0.000000E+00
76	35.8438	0.000000E+00	0.000000E+00
77	36.8125	0.000000E+00	0.000000E+00
78	37.7813	0.000000E+00	0.000000E+00
79	39.0120	0.750000	0.000000E+00
80	36.1058	0.750000	0.000000E+00
81	37.0745	0.750000	0.000000E+00
82	38.0433	0.750000	0.000000E+00
83	39.2500	0.000000E+00	0.000000E+00
84	39.5120	0.750000	0.000000E+00
85	42.6250	0.000000E+00	0.000000E+00
86	40.3750	0.000000E+00	0.000000E+00
87	41.5000	0.000000E+00	0.000000E+00
88	42.8870	0.750000	0.000000E+00
89	40.6370	0.750000	0.000000E+00
90	41.7620	0.750000	0.000000E+00
91	46.5000	0.000000E+00	0.000000E+00
92	43.5938	0.000000E+00	0.000000E+00
93	44.5625	0.000000E+00	0.000000E+00
94	45.5312	0.000000E+00	0.000000E+00
95	46.7620	0.750000	0.000000E+00
96	43.8557	0.750000	0.000000E+00
97	44.8245	0.750000	0.000000E+00
98	45.7933	0.750000	0.000000E+00
99	4.76600	2.55000	0.000000E+00
100	4.45150	1.65000	0.000000E+00
101	0.891000	2.55000	0.000000E+00
102	1.85975	2.55000	0.000000E+00
103	2.82850	2.55000	0.000000E+00
104	3.79725	2.55000	0.000000E+00
105	0.891000	3.55000	0.000000E+00
106	1.85975	3.55000	0.000000E+00
107	2.82850	3.55000	0.000000E+00
108	3.79725	3.55000	0.000000E+00
109	0.576500	1.65000	0.000000E+00
110	1.54525	1.65000	0.000000E+00
111	2.51400	1.65000	0.000000E+00
112	3.48275	1.65000	0.000000E+00
113	8.14100	2.55000	0.000000E+00
114	7.82650	1.65000	0.000000E+00
115	5.89100	2.55000	0.000000E+00
116	7.01600	2.55000	0.000000E+00
117	4.76600	3.55000	0.000000E+00
118	5.89100	3.55000	0.000000E+00
119	7.01600	3.55000	0.000000E+00
120	5.57650	1.65000	0.000000E+00
121	6.70150	1.65000	0.000000E+00
122	8.64100	2.55000	0.000000E+00
123	8.32650	1.65000	0.000000E+00
124	8.14100	3.55000	0.000000E+00
125	12.5160	2.55000	0.000000E+00
126	12.2015	1.65000	0.000000E+00
127	9.60975	2.55000	0.000000E+00
128	10.5785	2.55000	0.000000E+00
129	11.5473	2.55000	0.000000E+00
130	8.64100	3.55000	0.000000E+00
131	9.60975	3.55000	0.000000E+00
132	10.5785	3.55000	0.000000E+00
133	11.5473	3.55000	0.000000E+00
134	9.29525	1.65000	0.000000E+00
135	10.2640	1.65000	0.000000E+00
136	11.2327	1.65000	0.000000E+00
137	16.3910	2.55000	0.000000E+00
138	16.0765	1.65000	0.000000E+00
139	13.4848	2.55000	0.000000E+00
140	14.4535	2.55000	0.000000E+00
141	15.4223	2.55000	0.000000E+00
142	12.5160	3.55000	0.000000E+00
143	13.4848	3.55000	0.000000E+00

144	14.4535	3.55000	0.000000E+00
145	15.4223	3.55000	0.000000E+00
146	13.1702	1.65000	0.000000E+00
147	14.1390	1.65000	0.000000E+00
148	15.1078	1.65000	0.000000E+00
149	18.1410	2.55000	0.000000E+00
150	17.8265	1.65000	0.000000E+00
151	17.2660	2.55000	0.000000E+00
152	16.3910	3.55000	0.000000E+00
153	17.2660	3.55000	0.000000E+00
154	16.9515	1.65000	0.000000E+00
155	20.2660	2.55000	0.000000E+00
156	19.9515	1.65000	0.000000E+00
157	19.2035	2.55000	0.000000E+00
158	18.1410	3.55000	0.000000E+00
159	19.2035	3.55000	0.000000E+00
160	18.8890	1.65000	0.000000E+00
161	24.1410	2.55000	0.000000E+00
162	23.8265	1.65000	0.000000E+00
163	21.2347	2.55000	0.000000E+00
164	22.2035	2.55000	0.000000E+00
165	23.1722	2.55000	0.000000E+00
166	20.2660	3.55000	0.000000E+00
167	21.2347	3.55000	0.000000E+00
168	22.2035	3.55000	0.000000E+00
169	23.1722	3.55000	0.000000E+00
170	20.9202	1.65000	0.000000E+00
171	21.8890	1.65000	0.000000E+00
172	22.8578	1.65000	0.000000E+00
173	28.0160	2.55000	0.000000E+00
174	27.7015	1.65000	0.000000E+00
175	25.1097	2.55000	0.000000E+00
176	26.0785	2.55000	0.000000E+00
177	27.0473	2.55000	0.000000E+00
178	24.1410	3.55000	0.000000E+00
179	25.1097	3.55000	0.000000E+00
180	26.0785	3.55000	0.000000E+00
181	27.0473	3.55000	0.000000E+00
182	24.7952	1.65000	0.000000E+00
183	25.7640	1.65000	0.000000E+00
184	26.7328	1.65000	0.000000E+00
185	30.1410	2.55000	0.000000E+00
186	29.8265	1.65000	0.000000E+00
187	29.0785	2.55000	0.000000E+00
188	28.0160	3.55000	0.000000E+00
189	29.0785	3.55000	0.000000E+00
190	28.7640	1.65000	0.000000E+00
191	31.8910	2.55000	0.000000E+00
192	31.5765	1.65000	0.000000E+00
193	31.0160	2.55000	0.000000E+00
194	30.1410	3.55000	0.000000E+00
195	31.0160	3.55000	0.000000E+00
196	30.7015	1.65000	0.000000E+00
197	35.7660	2.55000	0.000000E+00
198	35.4515	1.65000	0.000000E+00
199	32.8597	2.55000	0.000000E+00
200	33.8285	2.55000	0.000000E+00
201	34.7972	2.55000	0.000000E+00
202	31.8910	3.55000	0.000000E+00
203	32.8597	3.55000	0.000000E+00
204	33.8285	3.55000	0.000000E+00
205	34.7972	3.55000	0.000000E+00
206	32.5453	1.65000	0.000000E+00
207	33.5140	1.65000	0.000000E+00
208	34.4827	1.65000	0.000000E+00
209	39.6410	2.55000	0.000000E+00
210	39.3265	1.65000	0.000000E+00
211	36.7347	2.55000	0.000000E+00
212	37.7035	2.55000	0.000000E+00
213	38.6723	2.55000	0.000000E+00
214	35.7660	3.55000	0.000000E+00
215	36.7347	3.55000	0.000000E+00
216	37.7035	3.55000	0.000000E+00
217	38.6723	3.55000	0.000000E+00
218	36.4202	1.65000	0.000000E+00
219	37.3890	1.65000	0.000000E+00
220	38.3578	1.65000	0.000000E+00
221	40.1410	2.55000	0.000000E+00
222	39.8265	1.65000	0.000000E+00
223	39.6410	3.55000	0.000000E+00
224	43.5160	2.55000	0.000000E+00
225	43.2015	1.65000	0.000000E+00
226	41.2660	2.55000	0.000000E+00
227	42.3910	2.55000	0.000000E+00
228	40.1410	3.55000	0.000000E+00
229	41.2660	3.55000	0.000000E+00
230	42.3910	3.55000	0.000000E+00
231	40.9515	1.65000	0.000000E+00
232	42.0765	1.65000	0.000000E+00
233	47.3910	2.55000	0.000000E+00
234	47.0765	1.65000	0.000000E+00
235	44.4848	2.55000	0.000000E+00
236	45.4535	2.55000	0.000000E+00
237	46.4222	2.55000	0.000000E+00
238	43.5160	3.55000	0.000000E+00
239	44.4848	3.55000	0.000000E+00
240	45.4535	3.55000	0.000000E+00
241	46.4222	3.55000	0.000000E+00

242	44.1702	1.65000	0.000000E+00
243	45.1390	1.65000	0.000000E+00
244	46.1077	1.65000	0.000000E+00
245	3.18000	9.10000	0.000000E+00
246	7.05500	9.10000	0.000000E+00
247	4.14875	9.10000	0.000000E+00
248	5.11750	9.10000	0.000000E+00
249	6.08625	9.10000	0.000000E+00
250	3.18000	10.1000	0.000000E+00
251	4.14875	10.1000	0.000000E+00
252	5.11750	10.1000	0.000000E+00
253	6.08625	10.1000	0.000000E+00
254	7.61400	10.7000	0.000000E+00
255	7.33450	9.90000	0.000000E+00
256	3.73900	10.7000	0.000000E+00
257	4.70775	10.7000	0.000000E+00
258	5.67650	10.7000	0.000000E+00
259	6.64525	10.7000	0.000000E+00
260	3.45950	9.90000	0.000000E+00
261	4.42825	9.90000	0.000000E+00
262	5.39700	9.90000	0.000000E+00
263	6.36575	9.90000	0.000000E+00
264	10.4300	9.10000	0.000000E+00
265	8.18000	9.10000	0.000000E+00
266	9.30500	9.10000	0.000000E+00
267	7.05500	10.1000	0.000000E+00
268	8.18000	10.1000	0.000000E+00
269	9.30500	10.1000	0.000000E+00
270	10.9890	10.7000	0.000000E+00
271	10.7095	9.90000	0.000000E+00
272	8.73900	10.7000	0.000000E+00
273	9.86400	10.7000	0.000000E+00
274	8.45950	9.90000	0.000000E+00
275	9.58450	9.90000	0.000000E+00
276	10.9300	9.10000	0.000000E+00
277	10.4300	10.1000	0.000000E+00
278	11.4890	10.7000	0.000000E+00
279	11.2095	9.90000	0.000000E+00
280	14.8050	9.10000	0.000000E+00
281	11.8987	9.10000	0.000000E+00
282	12.8675	9.10000	0.000000E+00
283	13.8362	9.10000	0.000000E+00
284	10.9300	10.1000	0.000000E+00
285	11.8987	10.1000	0.000000E+00
286	12.8675	10.1000	0.000000E+00
287	13.8362	10.1000	0.000000E+00
288	15.3640	10.7000	0.000000E+00
289	15.0845	9.90000	0.000000E+00
290	12.4577	10.7000	0.000000E+00
291	13.4265	10.7000	0.000000E+00
292	14.3952	10.7000	0.000000E+00
293	12.1782	9.90000	0.000000E+00
294	13.1470	9.90000	0.000000E+00
295	14.1157	9.90000	0.000000E+00
296	18.6800	9.10000	0.000000E+00
297	15.7737	9.10000	0.000000E+00
298	16.7425	9.10000	0.000000E+00
299	17.7113	9.10000	0.000000E+00
300	14.8050	10.1000	0.000000E+00
301	15.7737	10.1000	0.000000E+00
302	16.7425	10.1000	0.000000E+00
303	17.7113	10.1000	0.000000E+00
304	19.2390	10.7000	0.000000E+00
305	18.9595	9.90000	0.000000E+00
306	16.3328	10.7000	0.000000E+00
307	17.3015	10.7000	0.000000E+00
308	18.2703	10.7000	0.000000E+00
309	16.0532	9.90000	0.000000E+00
310	17.0220	9.90000	0.000000E+00
311	17.9908	9.90000	0.000000E+00
312	20.4300	9.10000	0.000000E+00
313	19.5550	9.10000	0.000000E+00
314	18.6800	10.1000	0.000000E+00
315	19.5550	10.1000	0.000000E+00
316	20.9890	10.7000	0.000000E+00
317	20.7095	9.90000	0.000000E+00
318	20.1140	10.7000	0.000000E+00
319	19.8345	9.90000	0.000000E+00
320	22.5550	9.10000	0.000000E+00
321	21.4925	9.10000	0.000000E+00
322	20.4300	10.1000	0.000000E+00
323	21.4925	10.1000	0.000000E+00
324	23.1140	10.7000	0.000000E+00
325	22.8345	9.90000	0.000000E+00
326	22.0515	10.7000	0.000000E+00
327	21.7720	9.90000	0.000000E+00
328	26.4300	9.10000	0.000000E+00
329	23.5237	9.10000	0.000000E+00
330	24.4925	9.10000	0.000000E+00
331	25.4612	9.10000	0.000000E+00
332	22.5550	10.1000	0.000000E+00
333	23.5237	10.1000	0.000000E+00
334	24.4925	10.1000	0.000000E+00
335	25.4612	10.1000	0.000000E+00
336	26.9890	10.7000	0.000000E+00
337	26.7095	9.90000	0.000000E+00
338	24.0827	10.7000	0.000000E+00
339	25.0515	10.7000	0.000000E+00

340	26.0202	10.7000	0.000000E+00
341	23.8032	9.90000	0.000000E+00
342	24.7720	9.90000	0.000000E+00
343	25.7407	9.90000	0.000000E+00
344	30.3050	9.10000	0.000000E+00
345	27.3987	9.10000	0.000000E+00
346	28.3675	9.10000	0.000000E+00
347	29.3363	9.10000	0.000000E+00
348	26.4300	10.1000	0.000000E+00
349	27.3987	10.1000	0.000000E+00
350	28.3675	10.1000	0.000000E+00
351	29.3363	10.1000	0.000000E+00
352	30.8640	10.7000	0.000000E+00
353	30.5845	9.90000	0.000000E+00
354	27.9577	10.7000	0.000000E+00
355	28.9265	10.7000	0.000000E+00
356	29.8953	10.7000	0.000000E+00
357	27.6783	9.90000	0.000000E+00
358	28.6470	9.90000	0.000000E+00
359	29.6158	9.90000	0.000000E+00
360	32.4300	9.10000	0.000000E+00
361	31.3675	9.10000	0.000000E+00
362	30.3050	10.1000	0.000000E+00
363	31.3675	10.1000	0.000000E+00
364	32.9890	10.7000	0.000000E+00
365	32.7095	9.90000	0.000000E+00
366	31.9265	10.7000	0.000000E+00
367	31.6470	9.90000	0.000000E+00
368	34.1800	9.10000	0.000000E+00
369	33.3050	9.10000	0.000000E+00
370	32.4300	10.1000	0.000000E+00
371	33.3050	10.1000	0.000000E+00
372	34.7390	10.7000	0.000000E+00
373	34.4595	9.90000	0.000000E+00
374	33.8640	10.7000	0.000000E+00
375	33.5845	9.90000	0.000000E+00
376	38.0550	9.10000	0.000000E+00
377	35.1487	9.10000	0.000000E+00
378	36.1175	9.10000	0.000000E+00
379	37.0862	9.10000	0.000000E+00
380	34.1800	10.1000	0.000000E+00
381	35.1487	10.1000	0.000000E+00
382	36.1175	10.1000	0.000000E+00
383	37.0862	10.1000	0.000000E+00
384	38.6140	10.7000	0.000000E+00
385	38.3345	9.90000	0.000000E+00
386	35.7077	10.7000	0.000000E+00
387	36.6765	10.7000	0.000000E+00
388	37.6453	10.7000	0.000000E+00
389	35.4282	9.90000	0.000000E+00
390	36.3970	9.90000	0.000000E+00
391	37.3657	9.90000	0.000000E+00
392	41.9300	9.10000	0.000000E+00
393	39.0237	9.10000	0.000000E+00
394	39.9925	9.10000	0.000000E+00
395	40.9613	9.10000	0.000000E+00
396	38.0550	10.1000	0.000000E+00
397	39.0237	10.1000	0.000000E+00
398	39.9925	10.1000	0.000000E+00
399	40.9613	10.1000	0.000000E+00
400	42.4890	10.7000	0.000000E+00
401	42.2095	9.90000	0.000000E+00
402	39.5827	10.7000	0.000000E+00
403	40.5515	10.7000	0.000000E+00
404	41.5203	10.7000	0.000000E+00
405	39.3032	9.90000	0.000000E+00
406	40.2720	9.90000	0.000000E+00
407	41.2408	9.90000	0.000000E+00
408	42.4300	9.10000	0.000000E+00
409	41.9300	10.1000	0.000000E+00
410	42.9890	10.7000	0.000000E+00
411	42.7095	9.90000	0.000000E+00
412	45.8050	9.10000	0.000000E+00
413	43.5550	9.10000	0.000000E+00
414	44.6800	9.10000	0.000000E+00
415	42.4300	10.1000	0.000000E+00
416	43.5550	10.1000	0.000000E+00
417	44.6800	10.1000	0.000000E+00
418	46.3640	10.7000	0.000000E+00
419	46.0845	9.90000	0.000000E+00
420	44.1140	10.7000	0.000000E+00
421	45.2390	10.7000	0.000000E+00
422	43.8345	9.90000	0.000000E+00
423	44.9595	9.90000	0.000000E+00
424	49.6800	9.10000	0.000000E+00
425	46.7737	9.10000	0.000000E+00
426	47.7425	9.10000	0.000000E+00
427	48.7112	9.10000	0.000000E+00
428	45.8050	10.1000	0.000000E+00
429	46.7737	10.1000	0.000000E+00
430	47.7425	10.1000	0.000000E+00
431	48.7112	10.1000	0.000000E+00
432	50.2390	10.7000	0.000000E+00
433	49.9595	9.90000	0.000000E+00
434	47.3328	10.7000	0.000000E+00
435	48.3015	10.7000	0.000000E+00
436	49.2702	10.7000	0.000000E+00
437	47.0533	9.90000	0.000000E+00

438	48.0220	9.90000	0.000000E+00
439	48.9907	9.90000	0.000000E+00
440	7.87600	11.4500	0.000000E+00
441	4.00100	11.4500	0.000000E+00
442	4.96975	11.4500	0.000000E+00
443	5.93850	11.4500	0.000000E+00
444	6.90725	11.4500	0.000000E+00
445	11.2510	11.4500	0.000000E+00
446	9.00100	11.4500	0.000000E+00
447	10.1260	11.4500	0.000000E+00
448	11.7510	11.4500	0.000000E+00
449	15.6260	11.4500	0.000000E+00
450	12.7197	11.4500	0.000000E+00
451	13.6885	11.4500	0.000000E+00
452	14.6572	11.4500	0.000000E+00
453	19.5010	11.4500	0.000000E+00
454	16.5948	11.4500	0.000000E+00
455	17.5635	11.4500	0.000000E+00
456	18.5323	11.4500	0.000000E+00
457	21.2510	11.4500	0.000000E+00
458	20.3760	11.4500	0.000000E+00
459	23.3760	11.4500	0.000000E+00
460	22.3135	11.4500	0.000000E+00
461	27.2510	11.4500	0.000000E+00
462	24.3447	11.4500	0.000000E+00
463	25.3135	11.4500	0.000000E+00
464	26.2823	11.4500	0.000000E+00
465	31.1260	11.4500	0.000000E+00
466	28.2197	11.4500	0.000000E+00
467	29.1885	11.4500	0.000000E+00
468	30.1573	11.4500	0.000000E+00
469	33.2510	11.4500	0.000000E+00
470	32.1885	11.4500	0.000000E+00
471	35.0010	11.4500	0.000000E+00
472	34.1260	11.4500	0.000000E+00
473	38.8760	11.4500	0.000000E+00
474	35.9697	11.4500	0.000000E+00
475	36.9385	11.4500	0.000000E+00
476	37.9073	11.4500	0.000000E+00
477	42.7510	11.4500	0.000000E+00
478	39.8447	11.4500	0.000000E+00
479	40.8135	11.4500	0.000000E+00
480	41.7823	11.4500	0.000000E+00
481	43.2510	11.4500	0.000000E+00
482	46.6260	11.4500	0.000000E+00
483	44.3760	11.4500	0.000000E+00
484	45.5010	11.4500	0.000000E+00
485	50.5010	11.4500	0.000000E+00
486	47.5948	11.4500	0.000000E+00
487	48.5635	11.4500	0.000000E+00
488	49.5323	11.4500	0.000000E+00
489	5.91050	5.82500	0.000000E+00
490	5.14750	3.64167	0.000000E+00
491	5.52900	4.73333	0.000000E+00
492	2.03550	5.82500	0.000000E+00
493	4.94175	5.82500	0.000000E+00
494	3.97300	5.82500	0.000000E+00
495	3.00425	5.82500	0.000000E+00
496	1.27250	3.64167	0.000000E+00
497	1.65400	4.73333	0.000000E+00
498	2.24125	3.64167	0.000000E+00
499	3.21000	3.64167	0.000000E+00
500	4.17875	3.64167	0.000000E+00
501	2.62275	4.73333	0.000000E+00
502	3.59150	4.73333	0.000000E+00
503	4.56025	4.73333	0.000000E+00
504	6.29200	6.91667	0.000000E+00
505	6.67350	8.00833	0.000000E+00
506	2.41700	6.91667	0.000000E+00
507	2.79850	8.00833	0.000000E+00
508	3.38575	6.91667	0.000000E+00
509	4.35450	6.91667	0.000000E+00
510	5.32325	6.91667	0.000000E+00
511	3.76725	8.00833	0.000000E+00
512	4.73600	8.00833	0.000000E+00
513	5.70475	8.00833	0.000000E+00
514	9.28550	5.82500	0.000000E+00
515	8.52250	3.64167	0.000000E+00
516	8.90400	4.73333	0.000000E+00
517	8.16050	5.82500	0.000000E+00
518	7.03550	5.82500	0.000000E+00
519	6.27250	3.64167	0.000000E+00
520	7.39750	3.64167	0.000000E+00
521	6.65400	4.73333	0.000000E+00
522	7.77900	4.73333	0.000000E+00
523	9.66700	6.91667	0.000000E+00
524	10.0485	8.00833	0.000000E+00
525	7.41700	6.91667	0.000000E+00
526	8.54200	6.91667	0.000000E+00
527	7.79850	8.00833	0.000000E+00
528	8.92350	8.00833	0.000000E+00
529	9.78550	5.82500	0.000000E+00
530	9.02250	3.64167	0.000000E+00
531	9.40400	4.73333	0.000000E+00
532	10.1670	6.91667	0.000000E+00
533	10.5485	8.00833	0.000000E+00
534	13.6605	5.82500	0.000000E+00
535	12.8975	3.64167	0.000000E+00

536	13.2790	4.73333	0.00000E+00
537	12.6917	5.82500	0.00000E+00
538	11.7230	5.82500	0.00000E+00
539	10.7542	5.82500	0.00000E+00
540	9.99125	3.64167	0.00000E+00
541	10.9600	3.64167	0.00000E+00
542	11.9288	3.64167	0.00000E+00
543	10.3727	4.73333	0.00000E+00
544	11.3415	4.73333	0.00000E+00
545	12.3102	4.73333	0.00000E+00
546	14.0420	6.91667	0.00000E+00
547	14.4235	8.00833	0.00000E+00
548	11.1357	6.91667	0.00000E+00
549	12.1045	6.91667	0.00000E+00
550	13.0732	6.91667	0.00000E+00
551	11.5172	8.00833	0.00000E+00
552	12.4860	8.00833	0.00000E+00
553	13.4548	8.00833	0.00000E+00
554	17.5355	5.82500	0.00000E+00
555	16.7725	3.64167	0.00000E+00
556	17.1540	4.73333	0.00000E+00
557	16.5668	5.82500	0.277556E-16
558	15.5980	5.82500	0.277556E-16
559	14.6292	5.82500	0.277556E-16
560	13.8663	3.64167	0.00000E+00
561	14.8350	3.64167	0.00000E+00
562	15.8038	3.64167	0.00000E+00
563	14.2477	4.73333	0.00000E+00
564	15.2165	4.73333	0.00000E+00
565	16.1853	4.73333	0.00000E+00
566	17.9170	6.91667	0.00000E+00
567	18.2985	8.00833	0.00000E+00
568	15.0107	6.91667	0.00000E+00
569	15.9795	6.91667	0.00000E+00
570	16.9483	6.91667	0.00000E+00
571	15.3922	8.00833	0.00000E+00
572	16.3610	8.00833	0.00000E+00
573	17.3298	8.00833	0.00000E+00
574	19.2855	5.82500	0.00000E+00
575	18.5225	3.64167	0.00000E+00
576	18.9040	4.73333	0.00000E+00
577	18.4105	5.82500	0.00000E+00
578	17.6475	3.64167	0.00000E+00
579	18.0290	4.73333	0.00000E+00
580	19.6670	6.91667	0.00000E+00
581	20.0485	8.00833	0.00000E+00
582	18.7920	6.91667	0.00000E+00
583	19.1735	8.00833	0.00000E+00
584	21.4105	5.82500	0.00000E+00
585	20.6475	3.64167	0.00000E+00
586	21.0290	4.73333	0.00000E+00
587	20.3480	5.82500	0.00000E+00
588	19.5850	3.64167	0.00000E+00
589	19.9665	4.73333	0.00000E+00
590	21.7920	6.91667	0.00000E+00
591	22.1735	8.00833	0.00000E+00
592	20.7295	6.91667	0.00000E+00
593	21.1110	8.00833	0.00000E+00
594	25.2855	5.82500	0.00000E+00
595	24.5225	3.64167	0.00000E+00
596	24.9040	4.73333	0.00000E+00
597	24.3167	5.82500	0.00000E+00
598	23.3480	5.82500	0.00000E+00
599	22.3793	5.82500	0.00000E+00
600	21.6163	3.64167	0.00000E+00
601	22.5850	3.64167	0.00000E+00
602	23.5537	3.64167	0.00000E+00
603	21.9977	4.73333	0.00000E+00
604	22.9665	4.73333	0.00000E+00
605	23.9352	4.73333	0.00000E+00
606	25.6670	6.91667	0.00000E+00
607	26.0485	8.00833	0.00000E+00
608	22.7607	6.91667	0.00000E+00
609	23.7295	6.91667	0.00000E+00
610	24.6982	6.91667	0.00000E+00
611	23.1422	8.00833	0.00000E+00
612	24.1110	8.00833	0.00000E+00
613	25.0798	8.00833	0.00000E+00
614	29.1605	5.82500	0.00000E+00
615	28.3975	3.64167	0.00000E+00
616	28.7790	4.73333	0.00000E+00
617	28.1918	5.82500	0.00000E+00
618	27.2230	5.82500	0.00000E+00
619	26.2542	5.82500	0.00000E+00
620	25.4913	3.64167	0.00000E+00
621	26.4600	3.64167	0.00000E+00
622	27.4288	3.64167	0.00000E+00
623	25.8727	4.73333	0.00000E+00
624	26.8415	4.73333	0.00000E+00
625	27.8103	4.73333	0.00000E+00
626	29.5420	6.91667	0.00000E+00
627	29.9235	8.00833	0.00000E+00
628	26.6358	6.91667	0.00000E+00
629	27.6045	6.91667	0.00000E+00
630	28.5733	6.91667	0.00000E+00
631	27.0173	8.00833	0.00000E+00
632	27.9860	8.00833	0.00000E+00
633	28.9548	8.00833	0.00000E+00

634	31.2855	5.82500	0.000000E+00
635	30.5225	3.64167	0.000000E+00
636	30.9040	4.73333	0.000000E+00
637	30.2230	5.82500	0.000000E+00
638	29.4600	3.64167	0.000000E+00
639	29.8415	4.73333	0.000000E+00
640	31.6670	6.91667	0.000000E+00
641	32.0485	8.00833	0.000000E+00
642	30.6045	6.91667	0.000000E+00
643	30.9860	8.00833	0.000000E+00
644	33.0355	5.82500	0.000000E+00
645	32.2725	3.64167	0.000000E+00
646	32.6540	4.73333	0.000000E+00
647	32.1605	5.82500	0.000000E+00
648	31.3975	3.64167	0.000000E+00
649	31.7790	4.73333	0.000000E+00
650	33.4170	6.91667	0.000000E+00
651	33.7985	8.00833	0.000000E+00
652	32.5420	6.91667	0.000000E+00
653	32.9235	8.00833	0.000000E+00
654	36.9105	5.82500	0.000000E+00
655	36.1475	3.64167	0.000000E+00
656	36.5290	4.73333	0.000000E+00
657	35.9417	5.82500	0.124900E-15
658	34.9730	5.82500	0.971445E-16
659	34.0042	5.82500	0.971445E-16
660	33.2413	3.64167	0.000000E+00
661	34.2100	3.64167	0.000000E+00
662	35.1787	3.64167	0.000000E+00
663	33.6227	4.73333	0.000000E+00
664	34.5915	4.73333	0.000000E+00
665	35.5602	4.73333	0.000000E+00
666	37.2920	6.91667	0.000000E+00
667	37.6735	8.00833	0.000000E+00
668	34.3857	6.91667	0.000000E+00
669	35.3545	6.91667	0.000000E+00
670	36.3233	6.91667	0.000000E+00
671	34.7672	8.00833	0.000000E+00
672	35.7360	8.00833	0.000000E+00
673	36.7047	8.00833	0.000000E+00
674	40.7855	5.82500	0.000000E+00
675	40.0225	3.64167	0.000000E+00
676	40.4040	4.73333	0.000000E+00
677	39.8168	5.82500	-0.832667E-16
678	38.8480	5.82500	-0.832667E-16
679	37.8793	5.82500	-0.832667E-16
680	37.1162	3.64167	0.000000E+00
681	38.0850	3.64167	0.000000E+00
682	39.0538	3.64167	0.000000E+00
683	37.4978	4.73333	0.000000E+00
684	38.4665	4.73333	0.000000E+00
685	39.4353	4.73333	0.000000E+00
686	41.1670	6.91667	0.000000E+00
687	41.5485	8.00833	0.000000E+00
688	38.2607	6.91667	0.000000E+00
689	39.2295	6.91667	0.000000E+00
690	40.1983	6.91667	0.000000E+00
691	38.6422	8.00833	0.000000E+00
692	39.6110	8.00833	0.000000E+00
693	40.5798	8.00833	0.000000E+00
694	41.2855	5.82500	0.000000E+00
695	40.5225	3.64167	0.000000E+00
696	40.9040	4.73333	0.000000E+00
697	41.6670	6.91667	0.000000E+00
698	42.0485	8.00833	0.000000E+00
699	44.6605	5.82500	0.000000E+00
700	43.8975	3.64167	0.000000E+00
701	44.2790	4.73333	0.000000E+00
702	43.5355	5.82500	0.000000E+00
703	42.4105	5.82500	0.000000E+00
704	41.6475	3.64167	0.000000E+00
705	42.7725	3.64167	0.000000E+00
706	42.0290	4.73333	0.000000E+00
707	43.1540	4.73333	0.000000E+00
708	45.0420	6.91667	0.000000E+00
709	45.4235	8.00833	0.000000E+00
710	42.7920	6.91667	0.000000E+00
711	43.9170	6.91667	0.000000E+00
712	43.1735	8.00833	0.000000E+00
713	44.2985	8.00833	0.000000E+00
714	48.5355	5.82500	0.000000E+00
715	47.7725	3.64167	0.000000E+00
716	48.1540	4.73333	0.000000E+00
717	47.5668	5.82500	0.000000E+00
718	46.5980	5.82500	0.000000E+00
719	45.6292	5.82500	0.000000E+00
720	44.8663	3.64167	0.000000E+00
721	45.8350	3.64167	0.000000E+00
722	46.8037	3.64167	0.000000E+00
723	45.2477	4.73333	0.000000E+00
724	46.2165	4.73333	0.000000E+00
725	47.1852	4.73333	0.000000E+00
726	48.9170	6.91667	0.000000E+00
727	49.2985	8.00833	0.000000E+00
728	46.0108	6.91667	0.000000E+00
729	46.9795	6.91667	0.000000E+00
730	47.9482	6.91667	0.000000E+00
731	46.3923	8.00833	0.000000E+00

732	47.3610	8.00833	0.00000E+00
733	48.3297	8.00833	0.00000E+00
734	0.891000	2.55000	-0.550000
735	0.891000	2.55000	-0.275000
736	-0.109000	2.55000	0.00000E+00
737	-0.109000	2.55000	-0.275000
738	4.76600	2.55000	-0.605000
739	4.76600	2.55000	-0.302500
740	3.76600	2.55000	0.00000E+00
741	3.76600	2.55000	-0.302500
742	8.64100	2.55000	-0.605000
743	8.64100	2.55000	-0.302500
744	7.64100	2.55000	0.00000E+00
745	7.64100	2.55000	-0.302500
746	12.5160	2.55000	-0.605000
747	12.5160	2.55000	-0.302500
748	11.5160	2.55000	0.00000E+00
749	11.5160	2.55000	-0.302500
750	16.3910	2.55000	-0.605000
751	16.3910	2.55000	-0.302500
752	15.3910	2.55000	0.00000E+00
753	15.3910	2.55000	-0.302500
754	20.2660	2.55000	-0.605000
755	20.2660	2.55000	-0.302500
756	19.2660	2.55000	0.00000E+00
757	19.2660	2.55000	-0.302500
758	24.1410	2.55000	-0.605000
759	24.1410	2.55000	-0.302500
760	23.1410	2.55000	0.00000E+00
761	23.1410	2.55000	-0.302500
762	28.0160	2.55000	-0.605000
763	28.0160	2.55000	-0.302500
764	27.0160	2.55000	0.00000E+00
765	27.0160	2.55000	-0.302500
766	31.8910	2.55000	-0.605000
767	31.8910	2.55000	-0.302500
768	30.8910	2.55000	0.00000E+00
769	30.8910	2.55000	-0.302500
770	35.7660	2.55000	-0.605000
771	35.7660	2.55000	-0.302500
772	34.7660	2.55000	0.00000E+00
773	34.7660	2.55000	-0.302500
774	39.6410	2.55000	-0.605000
775	39.6410	2.55000	-0.302500
776	38.6410	2.55000	0.00000E+00
777	38.6410	2.55000	-0.302500
778	43.5160	2.55000	-0.605000
779	43.5160	2.55000	-0.302500
780	42.5160	2.55000	0.00000E+00
781	42.5160	2.55000	-0.302500
782	47.3910	2.55000	-0.550000
783	47.3910	2.55000	-0.275000
784	46.3910	2.55000	0.00000E+00
785	46.3910	2.55000	-0.275000
786	3.18000	9.10000	-0.550000
787	3.18000	9.10000	-0.275000
788	4.18000	9.10000	0.00000E+00
789	4.18000	9.10000	-0.275000
790	7.05500	9.10000	-0.605000
791	7.05500	9.10000	-0.302500
792	8.05500	9.10000	0.00000E+00
793	8.05500	9.10000	-0.302500
794	10.9300	9.10000	-0.605000
795	10.9300	9.10000	-0.302500
796	11.9300	9.10000	0.00000E+00
797	11.9300	9.10000	-0.302500
798	14.8050	9.10000	-0.605000
799	14.8050	9.10000	-0.302500
800	15.8050	9.10000	0.00000E+00
801	15.8050	9.10000	-0.302500
802	18.6800	9.10000	-0.605000
803	18.6800	9.10000	-0.302500
804	19.6800	9.10000	0.00000E+00
805	19.6800	9.10000	-0.302500
806	22.5550	9.10000	-0.605000
807	22.5550	9.10000	-0.302500
808	23.5550	9.10000	0.00000E+00
809	23.5550	9.10000	-0.302500
810	26.4300	9.10000	-0.605000
811	26.4300	9.10000	-0.302500
812	27.4300	9.10000	0.00000E+00
813	27.4300	9.10000	-0.302500
814	30.3050	9.10000	-0.605000
815	30.3050	9.10000	-0.302500
816	31.3050	9.10000	0.00000E+00
817	31.3050	9.10000	-0.302500
818	34.1800	9.10000	-0.605000
819	34.1800	9.10000	-0.302500
820	35.1800	9.10000	0.00000E+00
821	35.1800	9.10000	-0.302500
822	38.0550	9.10000	-0.605000
823	38.0550	9.10000	-0.302500
824	39.0550	9.10000	0.00000E+00
825	39.0550	9.10000	-0.302500
826	41.9300	9.10000	-0.605000
827	41.9300	9.10000	-0.302500
828	42.9300	9.10000	0.00000E+00
829	42.9300	9.10000	-0.302500



830	45.8050	9.10000	-0.605000
831	45.8050	9.10000	-0.302500
832	46.8050	9.10000	0.000000E+00
833	46.8050	9.10000	-0.302500
834	49.6800	9.10000	-0.550000
835	49.6800	9.10000	-0.275000
836	50.6800	9.10000	0.000000E+00
837	50.6800	9.10000	-0.275000
838	0.891000	2.55000	-1.00000
839	0.891000	2.55000	-0.775000
840	-0.109000	2.55000	-0.550000
841	-0.109000	2.55000	-0.775000
842	47.3910	2.55000	-1.00000
843	47.3910	2.55000	-0.775000
844	46.3910	2.55000	-0.550000
845	46.3910	2.55000	-0.775000
846	3.18000	9.10000	-1.00000
847	3.18000	9.10000	-0.775000
848	4.18000	9.10000	-0.550000
849	4.18000	9.10000	-0.775000
850	49.6800	9.10000	-1.00000
851	49.6800	9.10000	-0.775000
852	50.6800	9.10000	-0.550000
853	50.6800	9.10000	-0.775000
854	4.76600	2.55000	-1.00500
855	4.76600	2.55000	-0.805000
856	3.76600	2.55000	-0.605000
857	3.76600	2.55000	-0.805000
858	8.64100	2.55000	-1.00500
859	8.64100	2.55000	-0.805000
860	7.64100	2.55000	-0.605000
861	7.64100	2.55000	-0.805000
862	12.5160	2.55000	-1.00500
863	12.5160	2.55000	-0.805000
864	11.5160	2.55000	-0.605000
865	11.5160	2.55000	-0.805000
866	16.3910	2.55000	-1.00500
867	16.3910	2.55000	-0.805000
868	15.3910	2.55000	-0.605000
869	15.3910	2.55000	-0.805000
870	20.2660	2.55000	-1.00500
871	20.2660	2.55000	-0.805000
872	19.2660	2.55000	-0.605000
873	19.2660	2.55000	-0.805000
874	24.1410	2.55000	-1.00500
875	24.1410	2.55000	-0.805000
876	23.1410	2.55000	-0.605000
877	23.1410	2.55000	-0.805000
878	28.0160	2.55000	-1.00500
879	28.0160	2.55000	-0.805000
880	27.0160	2.55000	-0.605000
881	27.0160	2.55000	-0.805000
882	31.8910	2.55000	-1.00500
883	31.8910	2.55000	-0.805000
884	30.8910	2.55000	-0.605000
885	30.8910	2.55000	-0.805000
886	35.7660	2.55000	-1.00500
887	35.7660	2.55000	-0.805000
888	34.7660	2.55000	-0.605000
889	34.7660	2.55000	-0.805000
890	39.6410	2.55000	-1.00500
891	39.6410	2.55000	-0.805000
892	38.6410	2.55000	-0.605000
893	38.6410	2.55000	-0.805000
894	43.5160	2.55000	-1.00500
895	43.5160	2.55000	-0.805000
896	42.5160	2.55000	-0.605000
897	42.5160	2.55000	-0.805000
898	7.05500	9.10000	-1.00500
899	7.05500	9.10000	-0.805000
900	8.05500	9.10000	-0.605000
901	8.05500	9.10000	-0.805000
902	10.9300	9.10000	-1.00500
903	10.9300	9.10000	-0.805000
904	11.9300	9.10000	-0.605000
905	11.9300	9.10000	-0.805000
906	14.8050	9.10000	-1.00500
907	14.8050	9.10000	-0.805000
908	15.8050	9.10000	-0.605000
909	15.8050	9.10000	-0.805000
910	18.6800	9.10000	-1.00500
911	18.6800	9.10000	-0.805000
912	19.6800	9.10000	-0.605000
913	19.6800	9.10000	-0.805000
914	22.5550	9.10000	-1.00500
915	22.5550	9.10000	-0.805000
916	23.5550	9.10000	-0.605000
917	23.5550	9.10000	-0.805000
918	26.4300	9.10000	-1.00500
919	26.4300	9.10000	-0.805000
920	27.4300	9.10000	-0.605000
921	27.4300	9.10000	-0.805000
922	30.3050	9.10000	-1.00500
923	30.3050	9.10000	-0.805000
924	31.3050	9.10000	-0.605000
925	31.3050	9.10000	-0.805000
926	34.1800	9.10000	-1.00500
927	34.1800	9.10000	-0.805000

928	35.1800	9.10000	-0.605000
929	35.1800	9.10000	-0.805000
930	38.0550	9.10000	-1.00500
931	38.0550	9.10000	-0.805000
932	39.0550	9.10000	-0.605000
933	39.0550	9.10000	-0.805000
934	41.9300	9.10000	-1.00500
935	41.9300	9.10000	-0.805000
936	42.9300	9.10000	-0.605000
937	42.9300	9.10000	-0.805000
938	45.8050	9.10000	-1.00500
939	45.8050	9.10000	-0.805000
940	46.8050	9.10000	-0.605000
941	46.8050	9.10000	-0.805000
942	1.21800	3.48571	-1.00000
943	1.54500	4.42143	-1.00000
944	1.87200	5.35714	-1.00000
945	2.19900	6.29286	-1.00000
946	2.52600	7.22857	-1.00000
947	2.85300	8.16429	-1.00000
948	-0.530155E-01	2.87990	-1.00000
949	0.273984	3.81562	-1.00000
950	0.600984	4.75133	-1.00000
951	0.927984	5.68704	-1.00000
952	1.25498	6.62276	-1.00000
953	1.58198	7.55847	-1.00000
954	1.90898	8.49419	-1.00000
955	47.7180	3.48571	-1.00000
956	48.0450	4.42143	-1.00000
957	48.3720	5.35714	-1.00000
958	48.6990	6.29286	-1.00000
959	49.0260	7.22857	-1.00000
960	49.3530	8.16429	-1.00000
961	46.4470	2.87990	-1.00000
962	46.7740	3.81562	-1.00000
963	47.1010	4.75133	-1.00000
964	47.4280	5.68704	-1.00000
965	47.7550	6.62276	-1.00000
966	48.0820	7.55847	-1.00000
967	48.4090	8.49419	-1.00000
968	5.09300	3.48571	-1.00500
969	5.42000	4.42143	-1.00500
970	5.74700	5.35714	-1.00500
971	6.07400	6.29286	-1.00500
972	6.40100	7.22857	-1.00500
973	6.72800	8.16429	-1.00500
974	3.82198	2.87990	-1.00500
975	4.14898	3.81562	-1.00500
976	4.47598	4.75133	-1.00500
977	4.80298	5.68704	-1.00500
978	5.12998	6.62276	-1.00500
979	5.45698	7.55847	-1.00500
980	5.78398	8.49419	-1.00500
981	8.96800	3.48571	-1.00500
982	9.29500	4.42143	-1.00500
983	9.62200	5.35714	-1.00500
984	9.94900	6.29286	-1.00500
985	10.2760	7.22857	-1.00500
986	10.6030	8.16429	-1.00500
987	7.69698	2.87990	-1.00500
988	8.02398	3.81562	-1.00500
989	8.35098	4.75133	-1.00500
990	8.67798	5.68704	-1.00500
991	9.00498	6.62276	-1.00500
992	9.33198	7.55847	-1.00500
993	9.65898	8.49419	-1.00500
994	12.8430	3.48571	-1.00500
995	13.1700	4.42143	-1.00500
996	13.4970	5.35714	-1.00500
997	13.8240	6.29286	-1.00500
998	14.1510	7.22857	-1.00500
999	14.4780	8.16429	-1.00500
1000	11.5720	2.87990	-1.00500
1001	11.8990	3.81562	-1.00500
1002	12.2260	4.75133	-1.00500
1003	12.5530	5.68704	-1.00500
1004	12.8800	6.62276	-1.00500
1005	13.2070	7.55847	-1.00500
1006	13.5340	8.49419	-1.00500
1007	16.7180	3.48571	-1.00500
1008	17.0450	4.42143	-1.00500
1009	17.3720	5.35714	-1.00500
1010	17.6990	6.29286	-1.00500
1011	18.0260	7.22857	-1.00500
1012	18.3530	8.16429	-1.00500
1013	15.4470	2.87990	-1.00500
1014	15.7740	3.81562	-1.00500
1015	16.1010	4.75133	-1.00500
1016	16.4280	5.68704	-1.00500
1017	16.7550	6.62276	-1.00500
1018	17.0820	7.55847	-1.00500
1019	17.4090	8.49419	-1.00500
1020	20.5930	3.48571	-1.00500
1021	20.9200	4.42143	-1.00500
1022	21.2470	5.35714	-1.00500
1023	21.5740	6.29286	-1.00500
1024	21.9010	7.22857	-1.00500
1025	22.2280	8.16429	-1.00500

1026	19.3220	2.87990	-1.00500
1027	19.6490	3.81562	-1.00500
1028	19.9760	4.75133	-1.00500
1029	20.3030	5.68704	-1.00500
1030	20.6300	6.62276	-1.00500
1031	20.9570	7.55847	-1.00500
1032	21.2840	8.49419	-1.00500
1033	24.4680	3.48571	-1.00500
1034	24.7950	4.42143	-1.00500
1035	25.1220	5.35714	-1.00500
1036	25.4490	6.29286	-1.00500
1037	25.7760	7.22857	-1.00500
1038	26.1030	8.16429	-1.00500
1039	23.1970	2.87990	-1.00500
1040	23.5240	3.81562	-1.00500
1041	23.8510	4.75133	-1.00500
1042	24.1780	5.68704	-1.00500
1043	24.5050	6.62276	-1.00500
1044	24.8320	7.55847	-1.00500
1045	25.1590	8.49419	-1.00500
1046	28.3430	3.48571	-1.00500
1047	28.6700	4.42143	-1.00500
1048	28.9970	5.35714	-1.00500
1049	29.3240	6.29286	-1.00500
1050	29.6510	7.22857	-1.00500
1051	29.9780	8.16429	-1.00500
1052	27.0720	2.87990	-1.00500
1053	27.3990	3.81562	-1.00500
1054	27.7260	4.75133	-1.00500
1055	28.0530	5.68704	-1.00500
1056	28.3800	6.62276	-1.00500
1057	28.7070	7.55847	-1.00500
1058	29.0340	8.49419	-1.00500
1059	32.2180	3.48571	-1.00500
1060	32.5450	4.42143	-1.00500
1061	32.8720	5.35714	-1.00500
1062	33.1990	6.29286	-1.00500
1063	33.5260	7.22857	-1.00500
1064	33.8530	8.16429	-1.00500
1065	30.9470	2.87990	-1.00500
1066	31.2740	3.81562	-1.00500
1067	31.6010	4.75133	-1.00500
1068	31.9280	5.68704	-1.00500
1069	32.2550	6.62276	-1.00500
1070	32.5820	7.55847	-1.00500
1071	32.9090	8.49419	-1.00500
1072	36.0930	3.48571	-1.00500
1073	36.4200	4.42143	-1.00500
1074	36.7470	5.35714	-1.00500
1075	37.0740	6.29286	-1.00500
1076	37.4010	7.22857	-1.00500
1077	37.7280	8.16429	-1.00500
1078	34.8220	2.87990	-1.00500
1079	35.1490	3.81562	-1.00500
1080	35.4760	4.75133	-1.00500
1081	35.8030	5.68704	-1.00500
1082	36.1300	6.62276	-1.00500
1083	36.4570	7.55847	-1.00500
1084	36.7840	8.49419	-1.00500
1085	39.9680	3.48571	-1.00500
1086	40.2950	4.42143	-1.00500
1087	40.6220	5.35714	-1.00500
1088	40.9490	6.29286	-1.00500
1089	41.2760	7.22857	-1.00500
1090	41.6030	8.16429	-1.00500
1091	38.6970	2.87990	-1.00500
1092	39.0240	3.81562	-1.00500
1093	39.3510	4.75133	-1.00500
1094	39.6780	5.68704	-1.00500
1095	40.0050	6.62276	-1.00500
1096	40.3320	7.55847	-1.00500
1097	40.6590	8.49419	-1.00500
1098	43.8430	3.48571	-1.00500
1099	44.1700	4.42143	-1.00500
1100	44.4970	5.35714	-1.00500
1101	44.8240	6.29286	-1.00500
1102	45.1510	7.22857	-1.00500
1103	45.4780	8.16429	-1.00500
1104	42.5720	2.87990	-1.00500
1105	42.8990	3.81562	-1.00500
1106	43.2260	4.75133	-1.00500
1107	43.5530	5.68704	-1.00500
1108	43.8800	6.62276	-1.00500
1109	44.2070	7.55847	-1.00500
1110	44.5340	8.49419	-1.00500
1111	4.76600	2.55000	-1.40500
1112	4.76600	2.55000	-2.40000
1113	4.76600	2.55000	-1.90250
1114	3.76600	2.55000	-1.40500
1115	3.76600	2.55000	-1.90250
1116	4.76600	2.55000	-1.20500
1117	3.76600	2.55000	-1.00500
1118	3.76600	2.55000	-1.20500
1119	8.64100	2.55000	-1.40500
1120	8.64100	2.55000	-2.40000
1121	8.64100	2.55000	-1.90250
1122	7.64100	2.55000	-1.40500
1123	7.64100	2.55000	-1.90250

1124	8.64100	2.55000	-1.20500
1125	7.64100	2.55000	-1.00500
1126	7.64100	2.55000	-1.20500
1127	12.5160	2.55000	-1.40500
1128	12.5160	2.55000	-2.40000
1129	12.5160	2.55000	-1.90250
1130	11.5160	2.55000	-1.40500
1131	11.5160	2.55000	-1.90250
1132	12.5160	2.55000	-1.20500
1133	11.5160	2.55000	-1.00500
1134	11.5160	2.55000	-1.20500
1135	16.3910	2.55000	-1.40500
1136	16.3910	2.55000	-2.40000
1137	16.3910	2.55000	-1.90250
1138	15.3910	2.55000	-1.40500
1139	15.3910	2.55000	-1.90250
1140	16.3910	2.55000	-1.20500
1141	15.3910	2.55000	-1.00500
1142	15.3910	2.55000	-1.20500
1143	20.2660	2.55000	-1.40500
1144	20.2660	2.55000	-2.40000
1145	20.2660	2.55000	-1.90250
1146	19.2660	2.55000	-1.40500
1147	19.2660	2.55000	-1.90250
1148	20.2660	2.55000	-1.20500
1149	19.2660	2.55000	-1.00500
1150	19.2660	2.55000	-1.20500
1151	24.1410	2.55000	-1.40500
1152	24.1410	2.55000	-2.40000
1153	24.1410	2.55000	-1.90250
1154	23.1410	2.55000	-1.40500
1155	23.1410	2.55000	-1.90250
1156	24.1410	2.55000	-1.20500
1157	23.1410	2.55000	-1.00500
1158	23.1410	2.55000	-1.20500
1159	28.0160	2.55000	-1.40500
1160	28.0160	2.55000	-2.40000
1161	28.0160	2.55000	-1.90250
1162	27.0160	2.55000	-1.40500
1163	27.0160	2.55000	-1.90250
1164	28.0160	2.55000	-1.20500
1165	27.0160	2.55000	-1.00500
1166	27.0160	2.55000	-1.20500
1167	31.8910	2.55000	-1.40500
1168	31.8910	2.55000	-2.40000
1169	31.8910	2.55000	-1.90250
1170	30.8910	2.55000	-1.40500
1171	30.8910	2.55000	-1.90250
1172	31.8910	2.55000	-1.20500
1173	30.8910	2.55000	-1.00500
1174	30.8910	2.55000	-1.20500
1175	35.7660	2.55000	-1.40500
1176	35.7660	2.55000	-2.40000
1177	35.7660	2.55000	-1.90250
1178	34.7660	2.55000	-1.40500
1179	34.7660	2.55000	-1.90250
1180	35.7660	2.55000	-1.20500
1181	34.7660	2.55000	-1.00500
1182	34.7660	2.55000	-1.20500
1183	39.6410	2.55000	-1.40500
1184	39.6410	2.55000	-2.40000
1185	39.6410	2.55000	-1.90250
1186	38.6410	2.55000	-1.40500
1187	38.6410	2.55000	-1.90250
1188	39.6410	2.55000	-1.20500
1189	38.6410	2.55000	-1.00500
1190	38.6410	2.55000	-1.20500
1191	43.5160	2.55000	-1.40500
1192	43.5160	2.55000	-2.40000
1193	43.5160	2.55000	-1.90250
1194	42.5160	2.55000	-1.40500
1195	42.5160	2.55000	-1.90250
1196	43.5160	2.55000	-1.20500
1197	42.5160	2.55000	-1.00500
1198	42.5160	2.55000	-1.20500
1199	7.05500	9.10000	-1.40500
1200	7.05500	9.10000	-2.40000
1201	7.05500	9.10000	-1.90250
1202	8.05500	9.10000	-1.40500
1203	8.05500	9.10000	-1.90250
1204	7.05500	9.10000	-1.20500
1205	8.05500	9.10000	-1.00500
1206	8.05500	9.10000	-1.20500
1207	10.9300	9.10000	-1.40500
1208	10.9300	9.10000	-2.40000
1209	10.9300	9.10000	-1.90250
1210	11.9300	9.10000	-1.40500
1211	11.9300	9.10000	-1.90250
1212	10.9300	9.10000	-1.20500
1213	11.9300	9.10000	-1.00500
1214	11.9300	9.10000	-1.20500
1215	14.8050	9.10000	-1.40500
1216	14.8050	9.10000	-2.40000
1217	14.8050	9.10000	-1.90250
1218	15.8050	9.10000	-1.40500
1219	15.8050	9.10000	-1.90250
1220	14.8050	9.10000	-1.20500
1221	15.8050	9.10000	-1.00500

1222	15.8050	9.10000	-1.20500
1223	18.6800	9.10000	-1.40500
1224	18.6800	9.10000	-2.40000
1225	18.6800	9.10000	-1.90250
1226	19.6800	9.10000	-1.40500
1227	19.6800	9.10000	-1.90250
1228	18.6800	9.10000	-1.20500
1229	19.6800	9.10000	-1.00500
1230	19.6800	9.10000	-1.20500
1231	22.5550	9.10000	-1.40500
1232	22.5550	9.10000	-2.40000
1233	22.5550	9.10000	-1.90250
1234	23.5550	9.10000	-1.40500
1235	23.5550	9.10000	-1.90250
1236	22.5550	9.10000	-1.20500
1237	23.5550	9.10000	-1.00500
1238	23.5550	9.10000	-1.20500
1239	26.4300	9.10000	-1.40500
1240	26.4300	9.10000	-2.40000
1241	26.4300	9.10000	-1.90250
1242	27.4300	9.10000	-1.40500
1243	27.4300	9.10000	-1.90250
1244	26.4300	9.10000	-1.20500
1245	27.4300	9.10000	-1.00500
1246	27.4300	9.10000	-1.20500
1247	30.3050	9.10000	-1.40500
1248	30.3050	9.10000	-2.40000
1249	30.3050	9.10000	-1.90250
1250	31.3050	9.10000	-1.40500
1251	31.3050	9.10000	-1.90250
1252	30.3050	9.10000	-1.20500
1253	31.3050	9.10000	-1.00500
1254	31.3050	9.10000	-1.20500
1255	34.1800	9.10000	-1.40500
1256	34.1800	9.10000	-2.40000
1257	34.1800	9.10000	-1.90250
1258	35.1800	9.10000	-1.40500
1259	35.1800	9.10000	-1.90250
1260	34.1800	9.10000	-1.20500
1261	35.1800	9.10000	-1.00500
1262	35.1800	9.10000	-1.20500
1263	38.0550	9.10000	-1.40500
1264	38.0550	9.10000	-2.40000
1265	38.0550	9.10000	-1.90250
1266	39.0550	9.10000	-1.40500
1267	39.0550	9.10000	-1.90250
1268	38.0550	9.10000	-1.20500
1269	39.0550	9.10000	-1.00500
1270	39.0550	9.10000	-1.20500
1271	41.9300	9.10000	-1.40500
1272	41.9300	9.10000	-2.40000
1273	41.9300	9.10000	-1.90250
1274	42.9300	9.10000	-1.40500
1275	42.9300	9.10000	-1.90250
1276	41.9300	9.10000	-1.20500
1277	42.9300	9.10000	-1.00500
1278	42.9300	9.10000	-1.20500
1279	45.8050	9.10000	-1.40500
1280	45.8050	9.10000	-2.40000
1281	45.8050	9.10000	-1.90250
1282	46.8050	9.10000	-1.40500
1283	46.8050	9.10000	-1.90250
1284	45.8050	9.10000	-1.20500
1285	46.8050	9.10000	-1.00500
1286	46.8050	9.10000	-1.20500
1287	0.891000	2.55000	-1.45000
1288	0.891000	2.55000	-2.40000
1289	0.891000	2.55000	-1.92500
1290	-0.109000	2.55000	-1.45000
1291	-0.109000	2.55000	-1.92500
1292	0.891000	2.55000	-1.22500
1293	-0.109000	2.55000	-1.00000
1294	-0.109000	2.55000	-1.22500
1295	3.18000	9.10000	-1.45000
1296	3.18000	9.10000	-2.40000
1297	3.18000	9.10000	-1.92500
1298	4.18000	9.10000	-1.45000
1299	4.18000	9.10000	-1.92500
1300	3.18000	9.10000	-1.22500
1301	4.18000	9.10000	-1.00000
1302	4.18000	9.10000	-1.22500
1303	47.3910	2.55000	-1.45000
1304	47.3910	2.55000	-2.40000
1305	47.3910	2.55000	-1.92500
1306	46.3910	2.55000	-1.45000
1307	46.3910	2.55000	-1.92500
1308	47.3910	2.55000	-1.22500
1309	46.3910	2.55000	-1.00000
1310	46.3910	2.55000	-1.22500
1311	49.6800	9.10000	-1.45000
1312	49.6800	9.10000	-2.40000
1313	49.6800	9.10000	-1.92500
1314	50.6800	9.10000	-1.45000
1315	50.6800	9.10000	-1.92500
1316	49.6800	9.10000	-1.22500
1317	50.6800	9.10000	-1.00000
1318	50.6800	9.10000	-1.22500
1319	0.891000	2.55000	-2.40000

1320	0.891000	2.55000	-3.20000
1321	1.22079	3.49405	-2.40000
1322	47.3910	2.55000	-2.40000
1323	47.3910	2.55000	-3.20000
1324	47.7208	3.49405	-2.40000
1325	3.18000	9.10000	-2.40000
1326	3.18000	9.10000	-3.20000
1327	3.50979	10.0441	-2.40000
1328	49.6800	9.10000	-2.40000
1329	49.6800	9.10000	-3.20000
1330	50.0098	10.0441	-2.40000
1331	0.469075	12.2689	-8.90000
1332	0.469075	12.2689	-6.90000
1333	0.154420	11.3197	-8.90000
1334	1.57598	6.46984	-6.90000
1335	1.57598	6.46984	-3.20000
1336	1.57598	6.46984	-6.37143
1337	1.57598	6.46984	-5.84286
1338	1.57598	6.46984	-5.31429
1339	1.57598	6.46984	-4.78571
1340	1.57598	6.46984	-4.25714
1341	1.57598	6.46984	-3.72857
1342	1.26132	5.52064	-6.90000
1343	1.26132	5.52064	-6.37143
1344	1.26132	5.52064	-5.84286
1345	1.26132	5.52064	-5.31429
1346	1.26132	5.52064	-4.78571
1347	1.26132	5.52064	-4.25714
1348	1.26132	5.52064	-3.72857
1349	1.57498	6.46984	0.600000
1350	1.57585	6.46984	-2.72500
1351	1.57573	6.46984	-2.25000
1352	1.57560	6.46984	-1.77500
1353	1.57548	6.46984	-1.30000
1354	1.57535	6.46984	-0.825000
1355	1.57523	6.46984	-0.350000
1356	1.57510	6.46984	0.125000
1357	1.26132	5.52064	-3.20008
1358	1.26120	5.52064	-2.72508
1359	1.26107	5.52064	-2.25008
1360	1.26095	5.52064	-1.77508
1361	1.26082	5.52064	-1.30008
1362	1.26070	5.52064	-0.825083
1363	1.26057	5.52064	-0.350083
1364	1.26045	5.52064	0.124917
1365	5.41889	18.0655	-6.90000
1366	5.41889	18.0655	-3.20000
1367	5.41889	18.0655	-6.37143
1368	5.41889	18.0655	-5.84286
1369	5.41889	18.0655	-5.31429
1370	5.41889	18.0655	-4.78571
1371	5.41889	18.0655	-4.25714
1372	5.41889	18.0655	-3.72857
1373	5.10423	17.1163	-6.90000
1374	5.10423	17.1163	-6.37143
1375	5.10423	17.1163	-5.84286
1376	5.10423	17.1163	-5.31429
1377	5.10423	17.1163	-4.78571
1378	5.10423	17.1163	-4.25714
1379	5.10423	17.1163	-3.72857
1380	5.41789	18.0655	0.600000
1381	5.41876	18.0655	-2.72500
1382	5.41864	18.0655	-2.25000
1383	5.41851	18.0655	-1.77500
1384	5.41839	18.0655	-1.30000
1385	5.41826	18.0655	-0.825000
1386	5.41814	18.0655	-0.350000
1387	5.41801	18.0655	0.125000
1388	5.10424	17.1163	-3.20008
1389	5.10412	17.1163	-2.72508
1390	5.10399	17.1163	-2.25008
1391	5.10387	17.1163	-1.77508
1392	5.10374	17.1163	-1.30008
1393	5.10362	17.1163	-0.825083
1394	5.10349	17.1163	-0.350083
1395	5.10337	17.1163	0.124917
1396	1.57598	6.46984	-8.90000
1397	1.57598	6.46984	-8.40000
1398	1.57598	6.46984	-7.90000
1399	1.57598	6.46984	-7.40000
1400	1.24619	5.52579	-8.90000
1401	1.24619	5.52579	-8.40000
1402	1.24619	5.52579	-7.90000
1403	1.24619	5.52579	-7.40000
1404	5.41889	18.0655	-8.90000
1405	5.41889	18.0655	-8.40000
1406	5.41889	18.0655	-7.90000
1407	5.41889	18.0655	-7.40000
1408	5.08910	17.1214	-8.90000
1409	5.08910	17.1214	-8.40000
1410	5.08910	17.1214	-7.90000
1411	5.08910	17.1214	-7.40000
1412	2.03550	5.82500	-3.20000
1413	48.5355	5.82500	-3.20000
1414	2.03550	5.82500	-3.20000
1415	48.5355	5.82500	-3.20000
1416	6.30657	18.6936	-3.20000
1417	-1.19156	12.2647	-3.15000

1418	-0.191563	12.2647	-3.15000
1419	-1.19156	13.2647	-3.15000
1420	0.469075	12.2689	-8.90000
1421	2.03550	5.82500	-3.20000
1422	2.03550	5.82500	0.00000E+00
1423	48.5355	5.82500	0.00000E+00
1424	6.30657	18.6936	-3.20000
1425	2.03550	5.82500	-3.20000
1426	1.89100	2.55000	-2.40000
1427	0.891000	3.55000	-2.40000
1428	4.18000	9.10000	-2.40000
1429	3.18000	10.1000	-2.40000
1430	46.3910	2.55000	-2.40000
1431	47.3910	1.55000	-2.40000
1432	48.6800	9.10000	-2.40000
1433	49.6800	8.10000	-2.40000
1434	3.03550	5.82500	-3.20000
1435	2.03550	6.82500	-3.20000
1436	49.5355	5.82500	-3.20000
1437	48.5355	6.82500	-3.20000
1438	7.30657	18.6936	-3.20000
1439	6.30657	19.6936	-3.20000
1440	1.41828	11.9543	-8.90000
1441	0.783730	13.2181	-8.90000
1442	3.03550	5.82500	-3.20000
1443	2.03550	6.82500	-3.20000
1444	2.98471	5.51034	0.00000E+00
1445	2.35016	6.77421	0.00000E+00
1446	47.5863	6.13966	0.00000E+00
1447	48.2208	4.87579	0.00000E+00

TOTAL NUMBER OF NODES	=	1447
LARGEST NODE NUMBER	=	1447
DATA STORAGE LOCATIONS USED	=	10129

G E O M E T R I C P R O P E R T I E S

C1\_F1  
PROPERTY

BMI21 ELEMENTS											
1	1ST NODE	AREA	=0.1085	IYY	=0.1034	IZZ	=0.4325E-02	KT	=0.2541E-04	ASZ	=0.5148E-01
		ASY	=0.5700E-01	EZ	=1.233	EY	=0.0000E+00	IYZ	=0.0000E+00		
	2ND NODE	AREA	=0.1085	IYY	=0.1034	IZZ	=0.4325E-02	KT	=0.2541E-04	ASZ	=0.5148E-01
		ASY	=0.5700E-01	EZ	=1.233	EY	=0.0000E+00	IYZ	=0.0000E+00		

G E O M E T R I C P R O P E R T I E S

C2\_F1  
PROPERTY

BMI21 ELEMENTS											
2	1ST NODE	AREA	=0.1469	IYY	=0.1516	IZZ	=0.7848E-02	KT	=0.1169E-03	ASZ	=0.4590E-01
		ASY	=0.1010	EZ	=1.424	EY	=0.0000E+00	IYZ	=0.0000E+00		
	2ND NODE	AREA	=0.1469	IYY	=0.1516	IZZ	=0.7848E-02	KT	=0.1169E-03	ASZ	=0.4590E-01
		ASY	=0.1010	EZ	=1.424	EY	=0.0000E+00	IYZ	=0.0000E+00		

G E O M E T R I C P R O P E R T I E S

C3\_F1  
PROPERTY

BMI21 ELEMENTS											
3	1ST NODE	AREA	=0.1610	IYY	=0.1741	IZZ	=0.9289E-02	KT	=0.1825E-03	ASZ	=0.4095E-01
		ASY	=0.1200	EZ	=1.410	EY	=0.0000E+00	IYZ	=0.0000E+00		
	2ND NODE	AREA	=0.1610	IYY	=0.1741	IZZ	=0.9289E-02	KT	=0.1825E-03	ASZ	=0.4095E-01
		ASY	=0.1200	EZ	=1.410	EY	=0.0000E+00	IYZ	=0.0000E+00		

G E O M E T R I C P R O P E R T I E S

plinto (sz\_plinto Mirror y-y)  
PROPERTY

BMI21 ELEMENTS											
4	1ST NODE	AREA	=257.6	IYY	=1897.	IZZ	=0.1632E+05	KT	=5900.	ASZ	=211.5
		ASY	=215.9	EZ	=0.0000E+00	EY	=0.0000E+00	IYZ	=-628.5		
	2ND NODE	AREA	=257.6	IYY	=1897.	IZZ	=0.1632E+05	KT	=5900.	ASZ	=211.5

ASY =215.9 EZ =0.0000E+00 EY =0.0000E+00 IYZ =-628.5

G E O M E T R I C P R O P E R T I E S

paramento (RSS D=2.65 B=12.215)

PROPERTY

BMI21 ELEMENTS  
5 1ST NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_campata (HE 800 A)

PROPERTY

BMI21 ELEMENTS  
6 1ST NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_appoggio (I D=0.9 B=0.3 tf=0.04 tw=0.03 r=0)

PROPERTY

BMI21 ELEMENTS  
7 1ST NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_appoggi

PROPERTY

BMI21 ELEMENTS  
8 1ST NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02  
2ND NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_campata (irrigidente campata)

PROPERTY

BMI21 ELEMENTS  
9 1ST NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04  
2ND NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04

G E O M E T R I C P R O P E R T I E S

paraghiaia (RSS D=0.55 B=12.215)

PROPERTY

BMI21 ELEMENTS  
10 1ST NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00



G E O M E T R I C P R O P E R T I E S

rigida  
PROPERTY

BMI21 ELEMENTS		AREA	IYY	IZZ	KT	ASZ
11	1ST NODE	=10.00	=100.0	=100.0	=100.0	=0.1000E+05
	ASZ	=0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	
	2ND NODE	=10.00	IYY =100.0	IZZ =100.0	KT =100.0	ASZ =0.1000E+05
	ASZ	=0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	

G E O M E T R I C P R O P E R T I E S

Baggioli (RSS D=1.2 B=1.2)  
PROPERTY

BMI21 ELEMENTS		AREA	IYY	IZZ	KT	ASZ
12	1ST NODE	=1.440	=0.1728	=0.1728	=0.2915	=1.200
	ASZ	=1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	
	2ND NODE	=1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =1.200
	ASZ	=1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	

G E O M E T R I C P R O P E R T I E S

Soletta\_sp\_0.3  
PROPERTY

QTS4 ELEMENTS		T1	T2	T3	T4
14	EZ = -0.1500	= 0.3000	= 0.3000	= 0.3000	= 0.3000

G E O M E T R I C P R O P E R T I E S

Ecc0  
PROPERTY

JSH4 ELEMENTS		ECCENTRICITY
13	ECCENTRICITY = 0.0000E+00	
DATA STORAGE LOCATIONS USED		= 678

G E O M E T R I C A S S I G N M E N T S

FIRST ELEMENT	LAST ELEMENT	DIFF-ERENCE	GEOMETRIC SET	LUSASM ID NO.
1	48	1	14	14
49	52	1	1	1
53	60	1	14	14
61	63	1	1	1
64	69	1	14	14
70	0	0	2	2
71	72	1	14	14
73	76	1	2	2
77	84	1	14	14
85	88	1	2	2
89	96	1	14	14
97	98	1	2	2
99	102	1	14	14
103	104	1	3	3
105	108	1	14	14
109	112	1	3	3
113	120	1	14	14
121	124	1	3	3
125	132	1	14	14
133	134	1	3	3
135	138	1	14	14
139	140	1	2	2
141	144	1	14	14
145	148	1	2	2
149	156	1	14	14
157	160	1	2	2
161	168	1	14	14

169	0	0	2	2
170	171	1	14	14
172	174	1	1	1
175	180	1	14	14
181	184	1	1	1
185	192	1	14	14
193	196	1	1	1
197	204	1	14	14
205	207	1	1	1
208	213	1	14	14
214	0	0	2	2
215	216	1	14	14
217	220	1	2	2
221	228	1	14	14
229	232	1	2	2
233	240	1	14	14
241	242	1	2	2
243	246	1	14	14
247	248	1	3	3
249	252	1	14	14
253	256	1	3	3
257	264	1	14	14
265	268	1	3	3
269	276	1	14	14
277	278	1	3	3
279	282	1	14	14
283	284	1	2	2
285	288	1	14	14
289	292	1	2	2
293	300	1	14	14
301	304	1	2	2
305	312	1	14	14
313	0	0	2	2
314	315	1	14	14
316	318	1	1	1
319	324	1	14	14
325	328	1	1	1
329	672	1	14	14
673	674	1	8	8
675	696	1	9	9
697	700	1	8	8
701	722	1	9	9
723	732	1	8	8
733	776	1	9	9
777	790	1	7	7
791	867	1	6	6
868	955	1	9	9
956	971	1	8	8
972	975	1	12	13
976	0	0	4	4
977	983	1	5	5
984	991	1	10	10
992	998	1	5	5
999	1006	1	10	10
1007	1014	1	11	11
1016	1026	1	13	15

TOTAL NUMBER OF GEOMETRIC ASSIGNMENT SETS = 83  
 TOTAL NUMBER OF ELEMENTS = 1025  
 LARGEST ELEMENT NUMBER = 1026  
 LARGEST GEOMETRIC ASSIGNMENT SET NUMBER = 14  
 DATA STORAGE LOCATIONS USED = 3075

J O I N T P R O P E R T I E S

MATERIAL

giunti

8 KX = 1.000 KY = 1.000 KZ = 1.000 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Isolatori\_spalle

9 KX = 0.2230E+07 KY = 0.2230E+07 KZ = 0.2186E+10 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Incastro  
10 KX = 0.1000E+16 KY = 0.1000E+16 KZ = 0.1000E+16 KTX = 0.1000E+16 KTY = 0.1000E+16 KTZ = 0.1000E+16

M A T E R I A L P R O P E R T I E S M A S S

MATERIAL

Massa\_terreno\_SP1  
11 MX = 0.2213E+07 MY = 0.2213E+07 MZ = 0.2213E+07

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel (elastic)  
1 E = 0.2100E+12 NU = 0.3000 RHO = 7850. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3 (elastic)  
2 E = 0.3364E+11 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle (elastic)  
3 E = 0.1000E+16 NU = 0.2000 RHO = 2500. ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle\_nomassa (elastic)  
4 E = 0.1000E+16 NU = 0.2000 RHO = 0.0000E+00 ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel\_rho=0 (elastic)  
5 E = 0.2100E+12 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Rigid\_rho=0 (elastic)  
6 E = 0.2100E+15 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3\_Rigid (elastic)

7 E = 0.3364E+14 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

DATA STORAGE LOCATIONS USED = 486

M A T E R I A L A S S I G N M E N T S

SMEARED_REINFORCEMENT SET	FIRST REINFORCEMENT ELEMENT	LAST ELEMENT	DIFF-ERENCE	MATERIAL SET	NSET	STRESS PLASTIC	POTENTIAL DATA SET	CREEP SET	DAMAGE SET	LusasM ID NO.	VISCOELASTIC SET	TWO PHASE MATERIAL SET	SHRINKAGE SET	KO SET
0	1	48	1	2	0	0	0	0	0	5	0	0	0	0
0	49	52	1	1	0	0	0	0	0	1	0	0	0	0
0	53	60	1	2	0	0	0	0	0	5	0	0	0	0
0	61	63	1	1	0	0	0	0	0	1	0	0	0	0
0	64	69	1	2	0	0	0	0	0	5	0	0	0	0
0	70	0	0	1	0	0	0	0	0	1	0	0	0	0
0	71	72	1	2	0	0	0	0	0	5	0	0	0	0
0	73	76	1	1	0	0	0	0	0	1	0	0	0	0
0	77	84	1	2	0	0	0	0	0	5	0	0	0	0
0	85	88	1	1	0	0	0	0	0	1	0	0	0	0
0	89	96	1	2	0	0	0	0	0	5	0	0	0	0
0	97	98	1	1	0	0	0	0	0	1	0	0	0	0
0	99	102	1	2	0	0	0	0	0	5	0	0	0	0
0	103	104	1	1	0	0	0	0	0	1	0	0	0	0
0	105	108	1	2	0	0	0	0	0	5	0	0	0	0
0	109	112	1	1	0	0	0	0	0	1	0	0	0	0
0	113	120	1	2	0	0	0	0	0	5	0	0	0	0
0	121	124	1	1	0	0	0	0	0	1	0	0	0	0
0	125	132	1	2	0	0	0	0	0	5	0	0	0	0
0	133	134	1	1	0	0	0	0	0	1	0	0	0	0
0	135	138	1	2	0	0	0	0	0	5	0	0	0	0
0	139	140	1	1	0	0	0	0	0	1	0	0	0	0
0	141	144	1	2	0	0	0	0	0	5	0	0	0	0
0	145	148	1	1	0	0	0	0	0	1	0	0	0	0
0	149	156	1	2	0	0	0	0	0	5	0	0	0	0
0	157	160	1	1	0	0	0	0	0	1	0	0	0	0
0	161	168	1	2	0	0	0	0	0	5	0	0	0	0
0	169	0	0	1	0	0	0	0	0	1	0	0	0	0
0	170	171	1	2	0	0	0	0	0	5	0	0	0	0
0	172	174	1	1	0	0	0	0	0	1	0	0	0	0
0	175	180	1	2	0	0	0	0	0	5	0	0	0	0
0	181	184	1	1	0	0	0	0	0	1	0	0	0	0
0	185	192	1	2	0	0	0	0	0	5	0	0	0	0
0	193	196	1	1	0	0	0	0	0	1	0	0	0	0
0	197	204	1	2	0	0	0	0	0	5	0	0	0	0
0	205	207	1	1	0	0	0	0	0	1	0	0	0	0
0	208	213	1	2	0	0	0	0	0	5	0	0	0	0
0	214	0	0	1	0	0	0	0	0	1	0	0	0	0
0	215	216	1	2	0	0	0	0	0	5	0	0	0	0

0	217	220	1	1	0	0	0	0	1	0	0	0	0
0	221	228	1	2	0	0	0	0	5	0	0	0	0
0	229	232	1	1	0	0	0	0	1	0	0	0	0
0	233	240	1	2	0	0	0	0	5	0	0	0	0
0	241	242	1	1	0	0	0	0	1	0	0	0	0
0	243	246	1	2	0	0	0	0	5	0	0	0	0
0	247	248	1	1	0	0	0	0	1	0	0	0	0
0	249	252	1	2	0	0	0	0	5	0	0	0	0
0	253	256	1	1	0	0	0	0	1	0	0	0	0
0	257	264	1	2	0	0	0	0	5	0	0	0	0
0	265	268	1	1	0	0	0	0	1	0	0	0	0
0	269	276	1	2	0	0	0	0	5	0	0	0	0
0	277	278	1	1	0	0	0	0	1	0	0	0	0
0	279	282	1	2	0	0	0	0	5	0	0	0	0
0	283	284	1	1	0	0	0	0	1	0	0	0	0
0	285	288	1	2	0	0	0	0	5	0	0	0	0
0	289	292	1	1	0	0	0	0	1	0	0	0	0
0	293	300	1	2	0	0	0	0	5	0	0	0	0
0	301	304	1	1	0	0	0	0	1	0	0	0	0
0	305	312	1	2	0	0	0	0	5	0	0	0	0
0	313	0	0	1	0	0	0	0	1	0	0	0	0
0	314	315	1	2	0	0	0	0	5	0	0	0	0
0	316	318	1	1	0	0	0	0	1	0	0	0	0
0	319	324	1	2	0	0	0	0	5	0	0	0	0
0	325	328	1	1	0	0	0	0	1	0	0	0	0
0	329	672	1	2	0	0	0	0	5	0	0	0	0
0	673	674	1	6	0	0	0	0	14	0	0	0	0
0	675	696	1	5	0	0	0	0	13	0	0	0	0
0	697	700	1	6	0	0	0	0	14	0	0	0	0
0	701	722	1	5	0	0	0	0	13	0	0	0	0
0	723	776	1	6	0	0	0	0	14	0	0	0	0
0	777	867	1	1	0	0	0	0	1	0	0	0	0
0	868	869	1	5	0	0	0	0	13	0	0	0	0
0	870	871	1	6	0	0	0	0	14	0	0	0	0
0	872	873	1	5	0	0	0	0	13	0	0	0	0
0	874	875	1	6	0	0	0	0	14	0	0	0	0
0	876	877	1	5	0	0	0	0	13	0	0	0	0
0	878	879	1	6	0	0	0	0	14	0	0	0	0
0	880	881	1	5	0	0	0	0	13	0	0	0	0
0	882	883	1	6	0	0	0	0	14	0	0	0	0
0	884	885	1	5	0	0	0	0	13	0	0	0	0
0	886	887	1	6	0	0	0	0	14	0	0	0	0
0	888	889	1	5	0	0	0	0	13	0	0	0	0
0	890	891	1	6	0	0	0	0	14	0	0	0	0
0	892	893	1	5	0	0	0	0	13	0	0	0	0
0	894	895	1	6	0	0	0	0	14	0	0	0	0
0	896	897	1	5	0	0	0	0	13	0	0	0	0
0	898	899	1	6	0	0	0	0	14	0	0	0	0
0	900	901	1	5	0	0	0	0	13	0	0	0	0



FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1365	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1365	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172516
1332	0	0	THZ	1.00000
1365	0	0	U	0.172516

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.202028
1332	0	0	THZ	-1.00000
1365	0	0	V	0.202028

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172516
1332	0	0	THX	-1.00000
1332	0	0	THY	0.853922
1365	0	0	W	0.172516

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THX	1.00000
1421	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THY	1.00000
1421	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THZ	1.00000
1421	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	U	1.00000
1421	0	0	U	-1.00000
1421	0	0	THZ	0.644845

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	V	1.00000
1421	0	0	V	-1.00000
1421	0	0	THZ	0.459523

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
------------	-----------	----------	--------------	-------------

1335	0	0	W	1.00000
1421	0	0	W	-1.00000
1421	0	0	THX	-0.644845
1421	0	0	THY	-0.459523

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	THX	-1.00000
1416	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	THY	-1.00000
1416	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	THZ	-1.00000
1416	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	U	-1.00000
1366	0	0	THZ	0.628174
1416	0	0	U	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	V	-1.00000
1366	0	0	THZ	-0.887682
1416	0	0	V	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	W	-1.00000
1366	0	0	THX	-0.628174
1366	0	0	THY	0.887682
1416	0	0	W	1.00000

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1334	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1334	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1334	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172442
1332	0	0	THZ	-1.00000



1334 0 0 U 0.172442  
TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.903422
1332	0	0	THZ	-1.00000
1334	0	0	V	0.903422

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172442
1332	0	0	THX	1.00000
1332	0	0	THY	0.190876
1334	0	0	W	0.172442

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1326	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1326	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1320	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	1.00000
1414	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1326	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	-1.00000
1414	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1323	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1323	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1323	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1329	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1329	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1329	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	1.00000
1415	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	-1.00000
1415	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.266667
1332	0	0	THY	-1.00000
1332	0	0	THZ	-0.112423E-02
1417	0	0	U	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.266667
1332	0	0	THX	1.00000
1332	0	0	THZ	0.442837
1417	0	0	V	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.602178
1332	0	0	THX	0.253870E-02
1332	0	0	THY	-1.00000
1417	0	0	W	0.602178

TOTAL NUMBER OF COEFFICIENTS = 4

TOTAL NUMBER OF CONSTRAINT EQUATIONS = 51

MAXIMUM NUMBER OF COEFFICIENTS PER EQUATION = 4

LARGEST NODE NUMBER ENCOUNTERED = 1421

DATA STORAGE LOCATIONS USED = 487

S U P P O R T N O D E S

F = FREE  
R = RESTRAINED OR RESTRAINED WITH PRESCRIBED DISPLACEMENT  
S = SPRING

FIRST NODE	LAST NODE	DIFF RNCE	SUPPORT CONDITION	SPRING CONSTANT OR PRESCRIBED VALUE	SPRING SUPPORT CONSTANT OR PRESCRIBED VALUE	SPRING SUPPORT CONSTANT OR PRESCRIBED VALUE	SPRING SUPPORT CONSTANT OR PRESCRIBED VALUE	SPRING SUPPORT CONSTANT OR PRESCRIBED VALUE	SPRING SUPPORT CONSTANT OR PRESCRIBED VALUE	SPRING SUPPORT CONSTANT OR PRESCRIBED VALUE
					FREEDOM U	FREEDOM V	FREEDOM W	FREEDOM THX	FREEDOM THY	FREEDOM THZ
1412	1413	1	R R R R R R	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1420	1422	2	R R R R R R	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1423	0	0	R R R R R R	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

TOTAL NUMBER OF SUPPORT NODES = 5  
LARGEST NODE NUMBER = 1423  
DATA STORAGE LOCATIONS USED = 168

L O A D C A S E 6

Fw

FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
1	0	0	0.00000E+00	4822.4	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	0	0	0.00000E+00	10423.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	5	1	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	0	0	0.00000E+00	8089.2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	13	1	0.00000E+00	11200.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	0	0	0.00000E+00	7311.4	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	22	1	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	0	0	0.00000E+00	9178.2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	0	0	0.00000E+00	8711.5	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0	0	0.00000E+00	10112.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0	0	0.00000E+00	10578.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	46	1	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0	0	0.00000E+00	10112.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	54	1	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0	0	0.00000E+00	10578.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0	0	0.00000E+00	9178.2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	0	0	0.00000E+00	8711.5	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	70	1	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0	0	0.00000E+00	7311.4	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
76	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
77	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
78	0	0	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0	0	0.00000E+00	8089.2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0	0	0.00000E+00	10423.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
86	87	1	0.00000E+00	11201.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0	0	0.00000E+00	4822.4	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
92	94	1	0.00000E+00	9644.9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0	0	0.00000E+00	0.00000E+00	477.37	0.00000E+00	0.00000E+00	0.00000E+00
101	0	0	0.00000E+00	0.00000E+00	220.88	0.00000E+00	0.00000E+00	0.00000E+00
102	104	1	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
113	0	0	0.00000E+00	0.00000E+00	370.50	0.00000E+00	0.00000E+00	0.00000E+00
115	116	1	0.00000E+00	0.00000E+00	513.00	0.00000E+00	0.00000E+00	0.00000E+00
122	0	0	0.00000E+00	0.00000E+00	334.88	0.00000E+00	0.00000E+00	0.00000E+00
125	0	0	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
127	129	1	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
137	0	0	0.00000E+00	0.00000E+00	420.37	0.00000E+00	0.00000E+00	0.00000E+00
139	141	1	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
149	0	0	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
151	0	0	0.00000E+00	0.00000E+00	399.00	0.00000E+00	0.00000E+00	0.00000E+00
155	0	0	0.00000E+00	0.00000E+00	463.13	0.00000E+00	0.00000E+00	0.00000E+00
157	0	0	0.00000E+00	0.00000E+00	484.50	0.00000E+00	0.00000E+00	0.00000E+00
161	0	0	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
163	165	1	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
173	0	0	0.00000E+00	0.00000E+00	463.12	0.00000E+00	0.00000E+00	0.00000E+00
175	177	1	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
185	0	0	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
187	0	0	0.00000E+00	0.00000E+00	484.50	0.00000E+00	0.00000E+00	0.00000E+00
191	0	0	0.00000E+00	0.00000E+00	420.37	0.00000E+00	0.00000E+00	0.00000E+00
193	0	0	0.00000E+00	0.00000E+00	399.00	0.00000E+00	0.00000E+00	0.00000E+00
197	0	0	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
199	200	1	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
201	0	0	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00

209	0	0	0.00000E+00	0.00000E+00	334.87	0.00000E+00	0.00000E+00	0.00000E+00
211	212	1	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
213	0	0	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
221	0	0	0.00000E+00	0.00000E+00	370.50	0.00000E+00	0.00000E+00	0.00000E+00
224	0	0	0.00000E+00	0.00000E+00	477.38	0.00000E+00	0.00000E+00	0.00000E+00
226	227	1	0.00000E+00	0.00000E+00	513.00	0.00000E+00	0.00000E+00	0.00000E+00
233	0	0	0.00000E+00	0.00000E+00	220.88	0.00000E+00	0.00000E+00	0.00000E+00
235	237	1	0.00000E+00	0.00000E+00	441.75	0.00000E+00	0.00000E+00	0.00000E+00
245	0	0	0.00000E+00	0.00000E+00	-220.88	0.00000E+00	0.00000E+00	0.00000E+00
246	0	0	0.00000E+00	0.00000E+00	-477.37	0.00000E+00	0.00000E+00	0.00000E+00
247	249	1	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
264	0	0	0.00000E+00	0.00000E+00	-370.50	0.00000E+00	0.00000E+00	0.00000E+00
265	266	1	0.00000E+00	0.00000E+00	-513.00	0.00000E+00	0.00000E+00	0.00000E+00
276	0	0	0.00000E+00	0.00000E+00	-334.88	0.00000E+00	0.00000E+00	0.00000E+00
280	0	0	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
281	283	1	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
296	0	0	0.00000E+00	0.00000E+00	-420.37	0.00000E+00	0.00000E+00	0.00000E+00
297	299	1	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
312	0	0	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
313	0	0	0.00000E+00	0.00000E+00	-399.00	0.00000E+00	0.00000E+00	0.00000E+00
320	0	0	0.00000E+00	0.00000E+00	-463.13	0.00000E+00	0.00000E+00	0.00000E+00
321	0	0	0.00000E+00	0.00000E+00	-484.50	0.00000E+00	0.00000E+00	0.00000E+00
328	0	0	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
329	331	1	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
344	0	0	0.00000E+00	0.00000E+00	-463.12	0.00000E+00	0.00000E+00	0.00000E+00
345	347	1	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
360	0	0	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
361	0	0	0.00000E+00	0.00000E+00	-484.50	0.00000E+00	0.00000E+00	0.00000E+00
368	0	0	0.00000E+00	0.00000E+00	-420.38	0.00000E+00	0.00000E+00	0.00000E+00
369	0	0	0.00000E+00	0.00000E+00	-399.00	0.00000E+00	0.00000E+00	0.00000E+00
376	0	0	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
377	379	1	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
392	0	0	0.00000E+00	0.00000E+00	-334.87	0.00000E+00	0.00000E+00	0.00000E+00
393	394	1	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
395	0	0	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00
408	0	0	0.00000E+00	0.00000E+00	-370.50	0.00000E+00	0.00000E+00	0.00000E+00
412	0	0	0.00000E+00	0.00000E+00	-477.38	0.00000E+00	0.00000E+00	0.00000E+00
413	414	1	0.00000E+00	0.00000E+00	-513.00	0.00000E+00	0.00000E+00	0.00000E+00
424	0	0	0.00000E+00	0.00000E+00	-220.88	0.00000E+00	0.00000E+00	0.00000E+00
425	427	1	0.00000E+00	0.00000E+00	-441.75	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 147  
LARGEST NODE OR ELEMENT NUMBER = 427

L O A D C A S E 7

dTn-coo1

TMPE LOAD INPUT

NUMBER OF VALUES = 8 START LOCATION = 1

ELEMENT	NODE	VALUE 1	VALUE 2	VALUE 3	VALUE 4	VALUE 5	VALUE 6	VALUE 7
1	1	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
1	3	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
1	7	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
1	8	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
2	3	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
2	4	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
2	8	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
2	9	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
3	4	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
3	5	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
3	9	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
3	10	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
4	2	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
4	5	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
4	6	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						
4	10	-14.0000	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
		0.00000E+00						

































































































































































































































































































































































































































































7	125402.	0.624421E+07	0.636593E+07	-43179.7	0.000000E+00	0.116415E-09
3	0.337762E+08	0.162971E+08	0.313622E+08	-0.809149E+07	2037.23	-0.493513E+07
4	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
11	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
9	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
10	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
8	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
TOTALS FOR						
STRUCTURE	0.830675E+08	0.447877E+09	0.465380E+09	0.676143E+08	0.145745E+08	-0.509705E+08

MATERIAL SET	PRINCIPAL MOMENTS OF INERTIA ABOUT CENTROIDAL AXES						
	I 11		I 22		I 33		PRINCIPAL DIRECTIONS
	KG	M **2	KG	M **2	KG	M **2	
2	0.769852E+08	0.725929E+08	0.439223E+07	( 0.00, 0.00, 1.00)	(-0.02, 1.00, -0.00)	( 1.00, 0.02, -0.00)	
1	0.227094E+08	0.215678E+08	0.117858E+07	( 0.00, 0.00, 1.00)	(-0.02, 1.00, 0.00)	( 1.00, 0.02, -0.00)	
6	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
5	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
7	0.636593E+07	0.624452E+07	125098.	( 0.00, 0.00, 1.00)	(-0.01, 1.00, 0.00)	( 1.00, 0.01, -0.00)	
3	0.395617E+08	0.289317E+08	0.129421E+08	( 0.82, -0.29, -0.49)	(-0.43, 0.27, -0.86)	( 0.38, 0.92, 0.10)	
4	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
11	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
9	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
10	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
8	0.000000E+00	0.000000E+00	0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)	
TOTALS FOR							
STRUCTURE	0.474279E+09	0.458038E+09	0.640070E+08	(-0.06, 0.36, 0.93)	( 0.21, 0.91, -0.34)	( 0.98, -0.18, 0.13)	

FORCE OUTPUT GROUP	RESULTANT APPLIED LOAD AT ORIGIN IN GLOBAL DIRECTIONS					
	Fx	Fy	Fz	Mx	My	Mz
	N	N	N	N .M	N .M	N .M
LOAD CASE 6						
TOTALS FOR						
STRUCTURE	0.000000E+00	462954.	-0.679279E-11	-138886.	48536.0	0.107637E+08
LOAD CASE 7						
TOTALS FOR						
STRUCTURE	-0.931323E-09	-0.158325E-07	-0.420053E-25	0.325963E-08	-0.378350E-09	-0.126660E-06
LOAD CASE 8						
TOTALS FOR						
STRUCTURE	-0.419095E-08	-0.149012E-07	0.168829E-24	-0.244472E-08	0.657747E-08	-0.387430E-06
LOAD CASE 9						
TOTALS FOR						
STRUCTURE	-0.116415E-09	0.605360E-08	0.145403E-25	-0.130967E-08	0.320142E-09	-0.372529E-07
LOAD CASE 10						
TOTALS FOR						
STRUCTURE	-0.232831E-09	0.465661E-09	0.266168E-24	0.186265E-08	-0.215368E-08	0.551343E-06
LOAD CASE 11						
TOTALS FOR						
STRUCTURE	485553.	0.000000E+00	0.000000E+00	0.000000E+00	-0.218279E-09	-0.282835E+07

AVERAGE ASPECT RATIO OF STRUCTURAL ELEMENTS (EXCEPT JOINTS, BARS AND BEAMS) = 1.200  
AVERAGE VALUE OF POISSON'S RATIO (FOR ISOTROPIC MATERIALS ONLY) = 0.2390

TOTAL TIME FOR GLOBAL MATRIX ASSEMBLY = 0.17000E-01 SEC.  
TOTAL NUMBER OF NONZERO ENTRIES IN THE MATRIX = 118388

LOCATIONS USED DURING PRE-SOLUTION PROCESS = 494518  
LOCATIONS AVAILABLE = 98304000

TOTAL NO. OF STRUCTURAL DEGREES OF FREEDOM = 5907  
TOTAL NO. OF ACTIVE DEGREES OF FREEDOM = 5907  
TOTAL NO. OF EQUATIONS = 5958  
TOTAL NO. OF ACTIVE NODES = 985

NUMBER OF ELEMENT GROUPS = 34  
MAXIMUM NUMBER OF ELEMENTS IN A GROUP = 32

MAXIMUM SIZE OF ELEMENT DATA RECORDS = 73865  
MAXIMUM SIZE OF ELEMENT RESULT RECORDS = 91683  
MAXIMUM SIZE OF ELEMENT SOLUTION RECORDS = 0  
MAXIMUM SIZE OF ELEMENT SHAPE RECORDS = 19862  
TOTAL SIZE OF ELEMENT DATA RECORDS = 1591923  
TOTAL SIZE OF ELEMENT RESULT RECORDS = 2376467  
TOTAL SIZE OF ELEMENT SOLUTION RECORDS = 0  
TOTAL SIZE OF GLOBAL SOLUTION RECORD = 37848  
TOTAL SIZE OF GLOBAL MATRIX & RHS RECORDS = 219316

TIME FOR PRE-SOLUTION PROCESS = 0.18800 SEC. (ALL ELEMENT STIFFNESS MATRICES)

TIME AT CENTRAL PROCESSOR = 10:59:03 ON 14/05/21 (DAY/MTH/YR)

SOLUTION BY FRONTAL SPARSE MATRIX TECHNIQUE

=====

= Parallel multifrontal solver statistics =

=====

Solving symmetric indefinite matrix  
 Minimum degree equation re-ordering algorithm used  
 Number of nonzeros in L and U = 389982  
 Number of iterative refinement steps = 4  
 Number of positive eigenvalues = 5877  
 Number of negative eigenvalues = 51  
 Peak memory used during analysis and  
 symbolic factorisation (MB) = 4.69  
 Total peak memory used during solve (MB) = 8.92  
 In-memory/out-of-memory solution executed

FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 1 = 0.31472E-27  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 2 = 0.12681E-24  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 3 = 0.12861E-24  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 4 = 0.24672E-24  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 5 = 0.30837E-24  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 6 = 0.36710E-27

TOTAL ELAPSED TIME USED SOLVING EQUATIONS = 0 HRS 0 MINS 0 SECS

LOCATIONS USED DURING POST-SOLUTION PROCESS = 686074  
 LOCATIONS AVAILABLE = 98304000

ACTUAL TOTAL NO. EDGES IN STRUCTURE = 1565  
 ACTUAL TOTAL NO. FACES IN STRUCTURE = 576

TIME FOR POST-SOLUTION PROCESS = 0.91100 SEC.

TOTAL CPU TIME USED FOR SOLUTION = 3.6720 SEC.

TOTAL ELAPSED TIME USED FOR SOLUTION = 0 HRS 0 MINS 4 SECS

TIME AT CENTRAL PROCESSOR = 10:59:04 ON 14/05/21 (DAY/MTH/YR)

I/O STATISTICS OF MAIN DIRECT ACCESS DISK UNITS

Disk Unit Name	Disk Page Size (Bytes)	Calls to I/O Routines	Buffered Transfers	Disk Accesses	Page Table Swaps	Peak File Size (Mbytes)
PROBLEM	16384	719	3727	2012	0	22.29688
FRONTAL	16384	0	0	0	0	0.1562500E-01
SHAPES	16384	46	146	95	0	0.6562500
PLOT	16384	6191	7414	740	0	19.34375
RESTART	0	0	0	0	0	0.000000E+00

\*\*\*LUSAS RUN SUCCESSFULLY COMPLETED\*\*\*

TIME AT CENTRAL PROCESSOR = 10:59:31 ON 14/05/21 (DAY/MTH/YR)

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

NLPZ 98304000  
NPGS 960  
MXELGP 32

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

IDTIME 1  
LDTOMA 1

LL UU UU SSSSS AAAA SSSSS  
LL UU UU SS SS AA AA SS SS  
LL UU UU SS AA AA SS  
LL UU UU SSSSS AAAAAAAA SSSSS  
LL UU UU SSSSS AAAAAAAA SSSSS  
LL UU UU SS AA AA SS  
LLLLLLLL UU UU SS SS AA AA SS SS  
LLLLLLLL UUUUUU SSSSS AA AA SSSSS

Build Information : KITBUILD03 - Feb 16 2021 02:12:17

Kit Version : 19.1-B3  
Solver Version : 19.1.1233.7156 (32-bit)

Developed by: LUSAS,  
Forge House,  
66 High Street,  
Kingston upon Thames,  
Surrey, KT1 1HN, UK  
www.lusas.com

Sales Enquiries: Tel +44 (0)20 8541 1999  
Fax +44 (0)20 8549 9399  
Email: info@lusas.com

Customer Support: Tel +44 (0)20 3325 0440  
Fax +44 (0)20 8549 9399  
Email: support@lusas.com

KeyID 15062 licensed on PC processor. Expires 1-07-2021  
Using Sentinel license server.  
Analysis Options : Nonlinear, Dynamics, Thermal/Field, FDS (Fast Direct Solver)  
Element Library : Plus

Solver executed : C:\Program Files (x86)\LUSAS191\Programs\Lusas\_S.exe  
Input file :

V:\100\_commesse\100\_699\571\_343\_Imp\_misti\_Ragusana\_SS194\_Sintagma.AS\L4\_VI05\_06\_Buonafede\modelli\sottostrutture\LUSASFiles32\Buonafede\_sottostr\_r02  
\Buonafede\_sottostr\_r02~05 - Modale.dat

Number of processors available : 4  
Maximum number of threads available : 4

Memory request for 1105Mb Succeeded

TIME AT CENTRAL PROCESSOR = 10:59:31 ON 14/05/21 (DAY/MTH/YR)

P R O B L E M 1

Viadotto Buonafede - sottostrutture

U N I T S N M K G S C

GRAVITY DIRECTION = Z ACCELERATION = -9.810

O P T I O N(S) 2 SUPPRESS NODE COORDINATE CHECKS FOR SIMILAR COORDS AND MISSING NODES

O P T I O N(S) 48 SWITCH CBF/BFP INPUT FROM FORCE/UNIT VOLUME TO ACCELERATION

O P T I O N(S) 61 ALL TWO DIMENSIONAL SLIDELINE SURFACES DEFINED WITH OUTWARD NORMALS

O P T I O N(S) 123 CLOCKWISE NODE NUMBERING

O P T I O N(S) -131 PARALLEL FRONTAL SOLVER ALGORITHM  
 O P T I O N(S) 242 TEMPERATURES INPUT AND OUTPUT IN DEGREES CELSIUS  
 O P T I O N(S) 250 DATAFILE HAS BEEN CREATED BY MODELLER  
 O P T I O N(S) 253 EMISSIVITY SPECIFIED IN THERMAL ENVIRONMENT PROPERTIES  
 O P T I O N(S) 259 SAVE NODAL STRESSES IN PLOT FILE TO AVOID STRESS EXTRAPOLATION IN MODELLER  
 O P T I O N(S) 272 ACTIVATE OR DEACTIVATE ELEMENTS  
 O P T I O N(S) 278 ASSIGN SIX DEGREES OF FREEDOM TO ALL THICK SHELL ELEMENT NODES  
 O P T I O N(S) -282 F SET SLOANE FRONTAL OPTIMISER AS DEFAULT  
 O P T I O N(S) 324 SPECIFY DAMPING PROPERTIES FOR JOINT PROPERTIES GENERAL EXPLICITLY  
 O P T I O N(S) 386 USE OF WEIGHTED FORCE/STIFFNESS DISTRIBUTION WITH SLIDELINES  
 O P T I O N(S) 396 IMPROVED TOP/MIDDLE/BOTTOM TRANSVERSE SHEAR STRESS CALCULATION FOR THICK SHELL ELEMENTS  
 O P T I O N(S) 399 RETAIN INACTIVE ELEMENTS IN BIRTH AND DEATH SOLUTION (OLD ANALYSIS TYPE)  
 O P T I O N(S) 414 INTRODUCE RESIDUAL BENDING FLEXIBILITY CORRECTION FOR 2-NODE THICK BEAM BTS3  
 O P T I O N(S) 416 DATA FILE CREATED IN V15.0 OR LATER  
 O P T I O N(S) 433 USE HERMITIAN SHAPE FUNCTIONS TO FORMULATE THE MASS MATRIX FOR 2-NODE THICK BEAMS

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
JSH4	ELEMENTS			
1016	1319	1288	1426	1427
1017	1325	1296	1428	1429
1018	1322	1304	1430	1431
1019	1328	1312	1432	1433
1020	1412	1414	1434	1435
1021	1413	1415	1436	1437
1022	1416	1424	1438	1439
1023	1420	1331	1440	1441
1024	1421	1425	1442	1443
1025	1422	492	1444	1445
1026	1423	714	1446	1447

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
QTS4	ELEMENTS			
1	1	3	8	7
2	3	4	9	8
3	4	5	10	9
4	5	2	6	10
5	2	12	15	6
6	12	13	16	15
7	13	11	14	16
8	11	17	18	14
9	17	20	24	18
10	20	21	25	24
11	21	22	26	25
12	22	19	23	26
13	19	28	32	23
14	28	29	33	32
15	29	30	34	33
16	30	27	31	34
17	27	36	38	31
18	36	35	37	38
19	35	40	42	37
20	40	39	41	42
21	39	44	48	41



22	44	45	49	48
23	45	46	50	49
24	46	43	47	50
25	43	52	56	47
26	52	53	57	56
27	53	54	58	57
28	54	51	55	58
29	51	60	62	55
30	60	59	61	62
31	59	64	66	61
32	64	63	65	66
33	63	68	72	65
34	68	69	73	72
35	69	70	74	73
36	70	67	71	74
37	67	76	80	71
38	76	77	81	80
39	77	78	82	81
40	78	75	79	82
41	75	83	84	79
42	83	86	89	84
43	86	87	90	89
44	87	85	88	90
45	85	92	96	88
46	92	93	97	96
47	93	94	98	97
48	94	91	95	98
53	7	8	110	109
54	8	9	111	110
55	9	10	112	111
56	10	6	100	112
57	109	110	102	101
58	110	111	103	102
59	111	112	104	103
60	112	100	99	104
64	6	15	120	100
65	15	16	121	120
66	16	14	114	121
67	100	120	115	99
68	120	121	116	115
69	121	114	113	116
71	14	18	123	114
72	114	123	122	113
77	18	24	134	123
78	24	25	135	134
79	25	26	136	135
80	26	23	126	136
81	123	134	127	122
82	134	135	128	127
83	135	136	129	128
84	136	126	125	129
89	23	32	146	126
90	32	33	147	146
91	33	34	148	147
92	34	31	138	148
93	126	146	139	125
94	146	147	140	139
95	147	148	141	140
96	148	138	137	141
99	31	38	154	138
100	38	37	150	154
101	138	154	151	137
102	154	150	149	151
105	37	42	160	150
106	42	41	156	160
107	150	160	157	149
108	160	156	155	157
113	41	48	170	156
114	48	49	171	170
115	49	50	172	171
116	50	47	162	172
117	156	170	163	155
118	170	171	164	163
119	171	172	165	164
120	172	162	161	165
125	47	56	182	162
126	56	57	183	182
127	57	58	184	183
128	58	55	174	184
129	162	182	175	161
130	182	183	176	175
131	183	184	177	176
132	184	174	173	177
135	55	62	190	174
136	62	61	186	190
137	174	190	187	173
138	190	186	185	187
141	61	66	196	186
142	66	65	192	196
143	186	196	193	185
144	196	192	191	193
149	65	72	206	192
150	72	73	207	206
151	73	74	208	207
152	74	71	198	208
153	192	206	199	191
154	206	207	200	199
155	207	208	201	200

156	208	198	197	201
161	71	80	218	198
162	80	81	219	218
163	81	82	220	219
164	82	79	210	220
165	198	218	211	197
166	218	219	212	211
167	219	220	213	212
168	220	210	209	213
170	79	84	222	210
171	210	222	221	209
175	84	89	231	222
176	89	90	232	231
177	90	88	225	232
178	222	231	226	221
179	231	232	227	226
180	232	225	224	227
185	88	96	242	225
186	96	97	243	242
187	97	98	244	243
188	98	95	234	244
189	225	242	235	224
190	242	243	236	235
191	243	244	237	236
192	244	234	233	237
197	245	247	261	260
198	247	248	262	261
199	248	249	263	262
200	249	246	255	263
201	260	261	257	256
202	261	262	258	257
203	262	263	259	258
204	263	255	254	259
208	246	265	274	255
209	265	266	275	274
210	266	264	271	275
211	255	274	272	254
212	274	275	273	272
213	275	271	270	273
215	264	276	279	271
216	271	279	278	270
221	276	281	293	279
222	281	282	294	293
223	282	283	295	294
224	283	280	289	295
225	279	293	290	278
226	293	294	291	290
227	294	295	292	291
228	295	289	288	292
233	280	297	309	289
234	297	298	310	309
235	298	299	311	310
236	299	296	305	311
237	289	309	306	288
238	309	310	307	306
239	310	311	308	307
240	311	305	304	308
243	296	313	319	305
244	313	312	317	319
245	305	319	318	304
246	319	317	316	318
249	312	321	327	317
250	321	320	325	327
251	317	327	326	316
252	327	325	324	326
257	320	329	341	325
258	329	330	342	341
259	330	331	343	342
260	331	328	337	343
261	325	341	338	324
262	341	342	339	338
263	342	343	340	339
264	343	337	336	340
269	328	345	357	337
270	345	346	358	357
271	346	347	359	358
272	347	344	353	359
273	337	357	354	336
274	357	358	355	354
275	358	359	356	355
276	359	353	352	356
279	344	361	367	353
280	361	360	365	367
281	353	367	366	352
282	367	365	364	366
285	360	369	375	365
286	369	368	373	375
287	365	375	374	364
288	375	373	372	374
293	368	377	389	373
294	377	378	390	389
295	378	379	391	390
296	379	376	385	391
297	373	389	386	372
298	389	390	387	386
299	390	391	388	387
300	391	385	384	388
305	376	393	405	385

306	393	394	406	405
307	394	395	407	406
308	395	392	401	407
309	385	405	402	384
310	405	406	403	402
311	406	407	404	403
312	407	401	400	404
314	392	408	411	401
315	401	411	410	400
319	408	413	422	411
320	413	414	423	422
321	414	412	419	423
322	411	422	420	410
323	422	423	421	420
324	423	419	418	421
329	412	425	437	419
330	425	426	438	437
331	426	427	439	438
332	427	424	433	439
333	419	437	434	418
334	437	438	435	434
335	438	439	436	435
336	439	433	432	436
337	256	257	442	441
338	257	258	443	442
339	258	259	444	443
340	259	254	440	444
341	254	272	446	440
342	272	273	447	446
343	273	270	445	447
344	270	278	448	445
345	278	290	450	448
346	290	291	451	450
347	291	292	452	451
348	292	288	449	452
349	288	306	454	449
350	306	307	455	454
351	307	308	456	455
352	308	304	453	456
353	304	318	458	453
354	318	316	457	458
355	316	326	460	457
356	326	324	459	460
357	324	338	462	459
358	338	339	463	462
359	339	340	464	463
360	340	336	461	464
361	336	354	466	461
362	354	355	467	466
363	355	356	468	467
364	356	352	465	468
365	352	366	470	465
366	366	364	469	470
367	364	374	472	469
368	374	372	471	472
369	372	386	474	471
370	386	387	475	474
371	387	388	476	475
372	388	384	473	476
373	384	402	478	473
374	402	403	479	478
375	403	404	480	479
376	404	400	477	480
377	400	410	481	477
378	410	420	483	481
379	420	421	484	483
380	421	418	482	484
381	418	434	486	482
382	434	435	487	486
383	435	436	488	487
384	436	432	485	488
385	101	102	498	496
386	102	103	499	498
387	103	104	500	499
388	104	99	490	500
389	496	498	501	497
390	498	499	502	501
391	499	500	503	502
392	500	490	491	503
393	497	501	495	492
394	501	502	494	495
395	502	503	493	494
396	503	491	489	493
397	492	495	508	506
398	495	494	509	508
399	494	493	510	509
400	493	489	504	510
401	506	508	511	507
402	508	509	512	511
403	509	510	513	512
404	510	504	505	513
405	507	511	247	245
406	511	512	248	247
407	512	513	249	248
408	513	505	246	249
409	99	115	519	490
410	115	116	520	519
411	116	113	515	520

412	490	519	521	491
413	519	520	522	521
414	520	515	516	522
415	491	521	518	489
416	521	522	517	518
417	522	516	514	517
418	489	518	525	504
419	518	517	526	525
420	517	514	523	526
421	504	525	527	505
422	525	526	528	527
423	526	523	524	528
424	505	527	265	246
425	527	528	266	265
426	528	524	264	266
427	113	122	530	515
428	515	530	531	516
429	516	531	529	514
430	514	529	532	523
431	523	532	533	524
432	524	533	276	264
433	122	127	540	530
434	127	128	541	540
435	128	129	542	541
436	129	125	535	542
437	530	540	543	531
438	540	541	544	543
439	541	542	545	544
440	542	535	536	545
441	531	543	539	529
442	543	544	538	539
443	544	545	537	538
444	545	536	534	537
445	529	539	548	532
446	539	538	549	548
447	538	537	550	549
448	537	534	546	550
449	532	548	551	533
450	548	549	552	551
451	549	550	553	552
452	550	546	547	553
453	533	551	281	276
454	551	552	282	281
455	552	553	283	282
456	553	547	280	283
457	125	139	560	535
458	139	140	561	560
459	140	141	562	561
460	141	137	555	562
461	535	560	563	536
462	560	561	564	563
463	561	562	565	564
464	562	555	556	565
465	536	563	559	534
466	563	564	558	559
467	564	565	557	558
468	565	556	554	557
469	534	559	568	546
470	559	558	569	568
471	558	557	570	569
472	557	554	566	570
473	546	568	571	547
474	568	569	572	571
475	569	570	573	572
476	570	566	567	573
477	547	571	297	280
478	571	572	298	297
479	572	573	299	298
480	573	567	296	299
481	137	151	578	555
482	151	149	575	578
483	555	578	579	556
484	578	575	576	579
485	556	579	577	554
486	579	576	574	577
487	554	577	582	566
488	577	574	580	582
489	566	582	583	567
490	582	580	581	583
491	567	583	313	296
492	583	581	312	313
493	149	157	588	575
494	157	155	585	588
495	575	588	589	576
496	588	585	586	589
497	576	589	587	574
498	589	586	584	587
499	574	587	592	580
500	587	584	590	592
501	580	592	593	581
502	592	590	591	593
503	581	593	321	312
504	593	591	320	321
505	155	163	600	585
506	163	164	601	600
507	164	165	602	601
508	165	161	595	602
509	585	600	603	586

510	600	601	604	603
511	601	602	605	604
512	602	595	596	605
513	586	603	599	584
514	603	604	598	599
515	604	605	597	598
516	605	596	594	597
517	584	599	608	590
518	599	598	609	608
519	598	597	610	609
520	597	594	606	610
521	590	608	611	591
522	608	609	612	611
523	609	610	613	612
524	610	606	607	613
525	591	611	329	320
526	611	612	330	329
527	612	613	331	330
528	613	607	328	331
529	161	175	620	595
530	175	176	621	620
531	176	177	622	621
532	177	173	615	622
533	595	620	623	596
534	620	621	624	623
535	621	622	625	624
536	622	615	616	625
537	596	623	619	594
538	623	624	618	619
539	624	625	617	618
540	625	616	614	617
541	594	619	628	606
542	619	618	629	628
543	618	617	630	629
544	617	614	626	630
545	606	628	631	607
546	628	629	632	631
547	629	630	633	632
548	630	626	627	633
549	607	631	345	328
550	631	632	346	345
551	632	633	347	346
552	633	627	344	347
553	173	187	638	615
554	187	185	635	638
555	615	638	639	616
556	638	635	636	639
557	616	639	637	614
558	639	636	634	637
559	614	637	642	626
560	637	634	640	642
561	626	642	643	627
562	642	640	641	643
563	627	643	361	344
564	643	641	360	361
565	185	193	648	635
566	193	191	645	648
567	635	648	649	636
568	648	645	646	649
569	636	649	647	634
570	649	646	644	647
571	634	647	652	640
572	647	644	650	652
573	640	652	653	641
574	652	650	651	653
575	641	653	369	360
576	653	651	368	369
577	191	199	660	645
578	199	200	661	660
579	200	201	662	661
580	201	197	655	662
581	645	660	663	646
582	660	661	664	663
583	661	662	665	664
584	662	655	656	665
585	646	663	659	644
586	663	664	658	659
587	664	665	657	658
588	665	656	654	657
589	644	659	668	650
590	659	658	669	668
591	658	657	670	669
592	657	654	666	670
593	650	668	671	651
594	668	669	672	671
595	669	670	673	672
596	670	666	667	673
597	651	671	377	368
598	671	672	378	377
599	672	673	379	378
600	673	667	376	379
601	197	211	680	655
602	211	212	681	680
603	212	213	682	681
604	213	209	675	682
605	655	680	683	656
606	680	681	684	683
607	681	682	685	684

608	682	675	676	685
609	656	683	679	654
610	683	684	678	679
611	684	685	677	678
612	685	676	674	677
613	654	679	688	666
614	679	678	689	688
615	678	677	690	689
616	677	674	686	690
617	666	688	691	667
618	688	689	692	691
619	689	690	693	692
620	690	686	687	693
621	667	691	393	376
622	691	692	394	393
623	692	693	395	394
624	693	687	392	395
625	209	221	695	675
626	675	695	696	676
627	676	696	694	674
628	674	694	697	686
629	686	697	698	687
630	687	698	408	392
631	221	226	704	695
632	226	227	705	704
633	227	224	700	705
634	695	704	706	696
635	704	705	707	706
636	705	700	701	707
637	696	706	703	694
638	706	707	702	703
639	707	701	699	702
640	694	703	710	697
641	703	702	711	710
642	702	699	708	711
643	697	710	712	698
644	710	711	713	712
645	711	708	709	713
646	698	712	413	408
647	712	713	414	413
648	713	709	412	414
649	224	235	720	700
650	235	236	721	720
651	236	237	722	721
652	237	233	715	722
653	700	720	723	701
654	720	721	724	723
655	721	722	725	724
656	722	715	716	725
657	701	723	719	699
658	723	724	718	719
659	724	725	717	718
660	725	716	714	717
661	699	719	728	708
662	719	718	729	728
663	718	717	730	729
664	717	714	726	730
665	708	728	731	709
666	728	729	732	731
667	729	730	733	732
668	730	726	727	733
669	709	731	425	412
670	731	732	426	425
671	732	733	427	426
672	733	727	424	427

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS		
PM3	ELEMENTS		
1015	1417	1418	1419

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			END CONDITIONS (C=CONSTRAINED, F=FREE, R=RESTRAINED)
BMI21	ELEMENTS			
49	101	102	105	
50	102	103	106	
51	103	104	107	
52	104	99	108	
61	99	115	117	
62	115	116	118	
63	116	113	119	
70	113	122	124	
73	122	127	130	
74	127	128	131	
75	128	129	132	

76	129	125	133
85	125	139	142
86	139	140	143
87	140	141	144
88	141	137	145
97	137	151	152
98	151	149	153
103	149	157	158
104	157	155	159
109	155	163	166
110	163	164	167
111	164	165	168
112	165	161	169
121	161	175	178
122	175	176	179
123	176	177	180
124	177	173	181
133	173	187	188
134	187	185	189
139	185	193	194
140	193	191	195
145	191	199	202
146	199	200	203
147	200	201	204
148	201	197	205
157	197	211	214
158	211	212	215
159	212	213	216
160	213	209	217
169	209	221	223
172	221	226	228
173	226	227	229
174	227	224	230
181	224	235	238
182	235	236	239
183	236	237	240
184	237	233	241
193	245	247	250
194	247	248	251
195	248	249	252
196	249	246	253
205	246	265	267
206	265	266	268
207	266	264	269
214	264	276	277
217	276	281	284
218	281	282	285
219	282	283	286
220	283	280	287
229	280	297	300
230	297	298	301
231	298	299	302
232	299	296	303
241	296	313	314
242	313	312	315
247	312	321	322
248	321	320	323
253	320	329	332
254	329	330	333
255	330	331	334
256	331	328	335
265	328	345	348
266	345	346	349
267	346	347	350
268	347	344	351
277	344	361	362
278	361	360	363
283	360	369	370
284	369	368	371
289	368	377	380
290	377	378	381
291	378	379	382
292	379	376	383
301	376	393	396
302	393	394	397
303	394	395	398
304	395	392	399
313	392	408	409
316	408	413	415
317	413	414	416
318	414	412	417
325	412	425	428
326	425	426	429
327	426	427	430
328	427	424	431
673	101	735	736
674	735	734	737
675	99	739	740
676	739	738	741
677	122	743	744
678	743	742	745
679	125	747	748
680	747	746	749
681	137	751	752
682	751	750	753
683	155	755	756
684	755	754	757
685	161	759	760

686	759	758	761
687	173	763	764
688	763	762	765
689	191	767	768
690	767	766	769
691	197	771	772
692	771	770	773
693	209	775	776
694	775	774	777
695	224	779	780
696	779	778	781
697	233	783	784
698	783	782	785
699	245	787	788
700	787	786	789
701	246	791	792
702	791	790	793
703	276	795	796
704	795	794	797
705	280	799	800
706	799	798	801
707	296	803	804
708	803	802	805
709	320	807	808
710	807	806	809
711	328	811	812
712	811	810	813
713	344	815	816
714	815	814	817
715	368	819	820
716	819	818	821
717	376	823	824
718	823	822	825
719	392	827	828
720	827	826	829
721	412	831	832
722	831	830	833
723	424	835	836
724	835	834	837
725	734	839	840
726	839	838	841
727	782	843	844
728	843	842	845
729	786	847	848
730	847	846	849
731	834	851	852
732	851	850	853
733	738	855	856
734	855	854	857
735	742	859	860
736	859	858	861
737	746	863	864
738	863	862	865
739	750	867	868
740	867	866	869
741	754	871	872
742	871	870	873
743	758	875	876
744	875	874	877
745	762	879	880
746	879	878	881
747	766	883	884
748	883	882	885
749	770	887	888
750	887	886	889
751	774	891	892
752	891	890	893
753	778	895	896
754	895	894	897
755	790	899	900
756	899	898	901
757	794	903	904
758	903	902	905
759	798	907	908
760	907	906	909
761	802	911	912
762	911	910	913
763	806	915	916
764	915	914	917
765	810	919	920
766	919	918	921
767	814	923	924
768	923	922	925
769	818	927	928
770	927	926	929
771	822	931	932
772	931	930	933
773	826	935	936
774	935	934	937
775	830	939	940
776	939	938	941
777	838	942	948
778	942	943	949
779	943	944	950
780	944	945	951
781	945	946	952
782	946	947	953
783	947	846	954



784	842	955	961
785	955	956	962
786	956	957	963
787	957	958	964
788	958	959	965
789	959	960	966
790	960	850	967
791	854	968	974
792	968	969	975
793	969	970	976
794	970	971	977
795	971	972	978
796	972	973	979
797	973	898	980
798	858	981	987
799	981	982	988
800	982	983	989
801	983	984	990
802	984	985	991
803	985	986	992
804	986	902	993
805	862	994	1000
806	994	995	1001
807	995	996	1002
808	996	997	1003
809	997	998	1004
810	998	999	1005
811	999	906	1006
812	866	1007	1013
813	1007	1008	1014
814	1008	1009	1015
815	1009	1010	1016
816	1010	1011	1017
817	1011	1012	1018
818	1012	910	1019
819	870	1020	1026
820	1020	1021	1027
821	1021	1022	1028
822	1022	1023	1029
823	1023	1024	1030
824	1024	1025	1031
825	1025	914	1032
826	874	1033	1039
827	1033	1034	1040
828	1034	1035	1041
829	1035	1036	1042
830	1036	1037	1043
831	1037	1038	1044
832	1038	918	1045
833	878	1046	1052
834	1046	1047	1053
835	1047	1048	1054
836	1048	1049	1055
837	1049	1050	1056
838	1050	1051	1057
839	1051	922	1058
840	882	1059	1065
841	1059	1060	1066
842	1060	1061	1067
843	1061	1062	1068
844	1062	1063	1069
845	1063	1064	1070
846	1064	926	1071
847	886	1072	1078
848	1072	1073	1079
849	1073	1074	1080
850	1074	1075	1081
851	1075	1076	1082
852	1076	1077	1083
853	1077	930	1084
854	890	1085	1091
855	1085	1086	1092
856	1086	1087	1093
857	1087	1088	1094
858	1088	1089	1095
859	1089	1090	1096
860	1090	934	1097
861	894	1098	1104
862	1098	1099	1105
863	1099	1100	1106
864	1100	1101	1107
865	1101	1102	1108
866	1102	1103	1109
867	1103	938	1110
868	1111	1113	1114
869	1113	1112	1115
870	854	1116	1117
871	1116	1111	1118
872	1119	1121	1122
873	1121	1120	1123
874	858	1124	1125
875	1124	1119	1126
876	1127	1129	1130
877	1129	1128	1131
878	862	1132	1133
879	1132	1127	1134
880	1135	1137	1138
881	1137	1136	1139

882	866	1140	1141
883	1140	1135	1142
884	1143	1145	1146
885	1145	1144	1147
886	870	1148	1149
887	1148	1143	1150
888	1151	1153	1154
889	1153	1152	1155
890	874	1156	1157
891	1156	1151	1158
892	1159	1161	1162
893	1161	1160	1163
894	878	1164	1165
895	1164	1159	1166
896	1167	1169	1170
897	1169	1168	1171
898	882	1172	1173
899	1172	1167	1174
900	1175	1177	1178
901	1177	1176	1179
902	886	1180	1181
903	1180	1175	1182
904	1183	1185	1186
905	1185	1184	1187
906	890	1188	1189
907	1188	1183	1190
908	1191	1193	1194
909	1193	1192	1195
910	894	1196	1197
911	1196	1191	1198
912	1199	1201	1202
913	1201	1200	1203
914	898	1204	1205
915	1204	1199	1206
916	1207	1209	1210
917	1209	1208	1211
918	902	1212	1213
919	1212	1207	1214
920	1215	1217	1218
921	1217	1216	1219
922	906	1220	1221
923	1220	1215	1222
924	1223	1225	1226
925	1225	1224	1227
926	910	1228	1229
927	1228	1223	1230
928	1231	1233	1234
929	1233	1232	1235
930	914	1236	1237
931	1236	1231	1238
932	1239	1241	1242
933	1241	1240	1243
934	918	1244	1245
935	1244	1239	1246
936	1247	1249	1250
937	1249	1248	1251
938	922	1252	1253
939	1252	1247	1254
940	1255	1257	1258
941	1257	1256	1259
942	926	1260	1261
943	1260	1255	1262
944	1263	1265	1266
945	1265	1264	1267
946	930	1268	1269
947	1268	1263	1270
948	1271	1273	1274
949	1273	1272	1275
950	934	1276	1277
951	1276	1271	1278
952	1279	1281	1282
953	1281	1280	1283
954	938	1284	1285
955	1284	1279	1286
956	1287	1289	1290
957	1289	1288	1291
958	838	1292	1293
959	1292	1287	1294
960	1295	1297	1298
961	1297	1296	1299
962	846	1300	1301
963	1300	1295	1302
964	1303	1305	1306
965	1305	1304	1307
966	842	1308	1309
967	1308	1303	1310
968	1311	1313	1314
969	1313	1312	1315
970	850	1316	1317
971	1316	1311	1318
972	1319	1320	1321
973	1322	1323	1324
974	1325	1326	1327
975	1328	1329	1330
976	1331	1332	1333
977	1334	1336	1342
978	1336	1337	1343
979	1337	1338	1344

980	1338	1339	1345
981	1339	1340	1346
982	1340	1341	1347
983	1341	1335	1348
984	1335	1350	1357
985	1350	1351	1358
986	1351	1352	1359
987	1352	1353	1360
988	1353	1354	1361
989	1354	1355	1362
990	1355	1356	1363
991	1356	1349	1364
992	1365	1367	1373
993	1367	1368	1374
994	1368	1369	1375
995	1369	1370	1376
996	1370	1371	1377
997	1371	1372	1378
998	1372	1366	1379
999	1366	1381	1388
1000	1381	1382	1389
1001	1382	1383	1390
1002	1383	1384	1391
1003	1384	1385	1392
1004	1385	1386	1393
1005	1386	1387	1394
1006	1387	1380	1395
1007	1396	1397	1400
1008	1397	1398	1401
1009	1398	1399	1402
1010	1399	1334	1403
1011	1404	1405	1408
1012	1405	1406	1409
1013	1406	1407	1410
1014	1407	1365	1411

TOTAL NUMBER OF ELEMENTS	=	1026
LARGEST ELEMENT NUMBER	=	1026
LARGEST NODE NUMBER	=	1447

DEFAULT SOLVER CHOSEN

NODE COORDINATES

NODE NO.	COORDINATE IN X-DIRECTION M	COORDINATE IN Y-DIRECTION M	COORDINATE IN Z-DIRECTION M
1	0.000000E+00	0.000000E+00	0.000000E+00
2	3.87500	0.000000E+00	0.000000E+00
3	0.968750	0.000000E+00	0.000000E+00
4	1.93750	0.000000E+00	0.000000E+00
5	2.90625	0.000000E+00	0.000000E+00
6	4.13700	0.750000	0.000000E+00
7	0.262000	0.750000	0.000000E+00
8	1.23075	0.750000	0.000000E+00
9	2.19950	0.750000	0.000000E+00
10	3.16825	0.750000	0.000000E+00
11	7.25000	0.000000E+00	0.000000E+00
12	5.00000	0.000000E+00	0.000000E+00
13	6.12500	0.000000E+00	0.000000E+00
14	7.51200	0.750000	0.000000E+00
15	5.26200	0.750000	0.000000E+00
16	6.38700	0.750000	0.000000E+00
17	7.75000	0.000000E+00	0.000000E+00
18	8.01200	0.750000	0.000000E+00
19	11.6250	0.000000E+00	0.000000E+00
20	8.71875	0.000000E+00	0.000000E+00
21	9.68750	0.000000E+00	0.000000E+00
22	10.6562	0.000000E+00	0.000000E+00
23	11.8870	0.750000	0.000000E+00
24	8.98075	0.750000	0.000000E+00
25	9.94950	0.750000	0.000000E+00
26	10.9182	0.750000	0.000000E+00
27	15.5000	0.000000E+00	0.000000E+00
28	12.5938	0.000000E+00	0.000000E+00
29	13.5625	0.000000E+00	0.000000E+00
30	14.5313	0.000000E+00	0.000000E+00
31	15.7620	0.750000	0.000000E+00
32	12.8557	0.750000	0.000000E+00
33	13.8245	0.750000	0.000000E+00
34	14.7933	0.750000	0.000000E+00
35	17.2500	0.000000E+00	0.000000E+00
36	16.3750	0.000000E+00	0.000000E+00
37	17.5120	0.750000	0.000000E+00
38	16.6370	0.750000	0.000000E+00
39	19.3750	0.000000E+00	0.000000E+00
40	18.3125	0.000000E+00	0.000000E+00
41	19.6370	0.750000	0.000000E+00
42	18.5745	0.750000	0.000000E+00
43	23.2500	0.000000E+00	0.000000E+00
44	20.3438	0.000000E+00	0.000000E+00

45	21.3125	0.000000E+00	0.000000E+00
46	22.2813	0.000000E+00	0.000000E+00
47	23.5120	0.750000	0.000000E+00
48	20.6058	0.750000	0.000000E+00
49	21.5745	0.750000	0.000000E+00
50	22.5433	0.750000	0.000000E+00
51	27.1250	0.000000E+00	0.000000E+00
52	24.2187	0.000000E+00	0.000000E+00
53	25.1875	0.000000E+00	0.000000E+00
54	26.1563	0.000000E+00	0.000000E+00
55	27.3870	0.750000	0.000000E+00
56	24.4807	0.750000	0.000000E+00
57	25.4495	0.750000	0.000000E+00
58	26.4183	0.750000	0.000000E+00
59	29.2500	0.000000E+00	0.000000E+00
60	28.1875	0.000000E+00	0.000000E+00
61	29.5120	0.750000	0.000000E+00
62	28.4495	0.750000	0.000000E+00
63	31.0000	0.000000E+00	0.000000E+00
64	30.1250	0.000000E+00	0.000000E+00
65	31.2620	0.750000	0.000000E+00
66	30.3870	0.750000	0.000000E+00
67	34.8750	0.000000E+00	0.000000E+00
68	31.9687	0.000000E+00	0.000000E+00
69	32.9375	0.000000E+00	0.000000E+00
70	33.9062	0.000000E+00	0.000000E+00
71	35.1370	0.750000	0.000000E+00
72	32.2308	0.750000	0.000000E+00
73	33.1995	0.750000	0.000000E+00
74	34.1682	0.750000	0.000000E+00
75	38.7500	0.000000E+00	0.000000E+00
76	35.8438	0.000000E+00	0.000000E+00
77	36.8125	0.000000E+00	0.000000E+00
78	37.7813	0.000000E+00	0.000000E+00
79	39.0120	0.750000	0.000000E+00
80	36.1058	0.750000	0.000000E+00
81	37.0745	0.750000	0.000000E+00
82	38.0433	0.750000	0.000000E+00
83	39.2500	0.000000E+00	0.000000E+00
84	39.5120	0.750000	0.000000E+00
85	42.6250	0.000000E+00	0.000000E+00
86	40.3750	0.000000E+00	0.000000E+00
87	41.5000	0.000000E+00	0.000000E+00
88	42.8870	0.750000	0.000000E+00
89	40.6370	0.750000	0.000000E+00
90	41.7620	0.750000	0.000000E+00
91	46.5000	0.000000E+00	0.000000E+00
92	43.5938	0.000000E+00	0.000000E+00
93	44.5625	0.000000E+00	0.000000E+00
94	45.5312	0.000000E+00	0.000000E+00
95	46.7620	0.750000	0.000000E+00
96	43.8557	0.750000	0.000000E+00
97	44.8245	0.750000	0.000000E+00
98	45.7933	0.750000	0.000000E+00
99	4.76600	2.55000	0.000000E+00
100	4.45150	1.65000	0.000000E+00
101	0.891000	2.55000	0.000000E+00
102	1.85975	2.55000	0.000000E+00
103	2.82850	2.55000	0.000000E+00
104	3.79725	2.55000	0.000000E+00
105	0.891000	3.55000	0.000000E+00
106	1.85975	3.55000	0.000000E+00
107	2.82850	3.55000	0.000000E+00
108	3.79725	3.55000	0.000000E+00
109	0.576500	1.65000	0.000000E+00
110	1.54525	1.65000	0.000000E+00
111	2.51400	1.65000	0.000000E+00
112	3.48275	1.65000	0.000000E+00
113	8.14100	2.55000	0.000000E+00
114	7.82650	1.65000	0.000000E+00
115	5.89100	2.55000	0.000000E+00
116	7.01600	2.55000	0.000000E+00
117	4.76600	3.55000	0.000000E+00
118	5.89100	3.55000	0.000000E+00
119	7.01600	3.55000	0.000000E+00
120	5.57650	1.65000	0.000000E+00
121	6.70150	1.65000	0.000000E+00
122	8.64100	2.55000	0.000000E+00
123	8.32650	1.65000	0.000000E+00
124	8.14100	3.55000	0.000000E+00
125	12.5160	2.55000	0.000000E+00
126	12.2015	1.65000	0.000000E+00
127	9.60975	2.55000	0.000000E+00
128	10.5785	2.55000	0.000000E+00
129	11.5473	2.55000	0.000000E+00
130	8.64100	3.55000	0.000000E+00
131	9.60975	3.55000	0.000000E+00
132	10.5785	3.55000	0.000000E+00
133	11.5473	3.55000	0.000000E+00
134	9.29525	1.65000	0.000000E+00
135	10.2640	1.65000	0.000000E+00
136	11.2327	1.65000	0.000000E+00
137	16.3910	2.55000	0.000000E+00
138	16.0765	1.65000	0.000000E+00
139	13.4848	2.55000	0.000000E+00
140	14.4535	2.55000	0.000000E+00
141	15.4223	2.55000	0.000000E+00
142	12.5160	3.55000	0.000000E+00

143	13.4848	3.55000	0.000000E+00
144	14.4535	3.55000	0.000000E+00
145	15.4223	3.55000	0.000000E+00
146	13.1702	1.65000	0.000000E+00
147	14.1390	1.65000	0.000000E+00
148	15.1078	1.65000	0.000000E+00
149	18.1410	2.55000	0.000000E+00
150	17.8265	1.65000	0.000000E+00
151	17.2660	2.55000	0.000000E+00
152	16.3910	3.55000	0.000000E+00
153	17.2660	3.55000	0.000000E+00
154	16.9515	1.65000	0.000000E+00
155	20.2660	2.55000	0.000000E+00
156	19.9515	1.65000	0.000000E+00
157	19.2035	2.55000	0.000000E+00
158	18.1410	3.55000	0.000000E+00
159	19.2035	3.55000	0.000000E+00
160	18.8890	1.65000	0.000000E+00
161	24.1410	2.55000	0.000000E+00
162	23.8265	1.65000	0.000000E+00
163	21.2347	2.55000	0.000000E+00
164	22.2035	2.55000	0.000000E+00
165	23.1722	2.55000	0.000000E+00
166	20.2660	3.55000	0.000000E+00
167	21.2347	3.55000	0.000000E+00
168	22.2035	3.55000	0.000000E+00
169	23.1722	3.55000	0.000000E+00
170	20.9202	1.65000	0.000000E+00
171	21.8890	1.65000	0.000000E+00
172	22.8578	1.65000	0.000000E+00
173	28.0160	2.55000	0.000000E+00
174	27.7015	1.65000	0.000000E+00
175	25.1097	2.55000	0.000000E+00
176	26.0785	2.55000	0.000000E+00
177	27.0473	2.55000	0.000000E+00
178	24.1410	3.55000	0.000000E+00
179	25.1097	3.55000	0.000000E+00
180	26.0785	3.55000	0.000000E+00
181	27.0473	3.55000	0.000000E+00
182	24.7952	1.65000	0.000000E+00
183	25.7640	1.65000	0.000000E+00
184	26.7328	1.65000	0.000000E+00
185	30.1410	2.55000	0.000000E+00
186	29.8265	1.65000	0.000000E+00
187	29.0785	2.55000	0.000000E+00
188	28.0160	3.55000	0.000000E+00
189	29.0785	3.55000	0.000000E+00
190	28.7640	1.65000	0.000000E+00
191	31.8910	2.55000	0.000000E+00
192	31.5765	1.65000	0.000000E+00
193	31.0160	2.55000	0.000000E+00
194	30.1410	3.55000	0.000000E+00
195	31.0160	3.55000	0.000000E+00
196	30.7015	1.65000	0.000000E+00
197	35.7660	2.55000	0.000000E+00
198	35.4515	1.65000	0.000000E+00
199	32.8597	2.55000	0.000000E+00
200	33.8285	2.55000	0.000000E+00
201	34.7972	2.55000	0.000000E+00
202	31.8910	3.55000	0.000000E+00
203	32.8597	3.55000	0.000000E+00
204	33.8285	3.55000	0.000000E+00
205	34.7972	3.55000	0.000000E+00
206	32.5453	1.65000	0.000000E+00
207	33.5140	1.65000	0.000000E+00
208	34.4827	1.65000	0.000000E+00
209	39.6410	2.55000	0.000000E+00
210	39.3265	1.65000	0.000000E+00
211	36.7347	2.55000	0.000000E+00
212	37.7035	2.55000	0.000000E+00
213	38.6723	2.55000	0.000000E+00
214	35.7660	3.55000	0.000000E+00
215	36.7347	3.55000	0.000000E+00
216	37.7035	3.55000	0.000000E+00
217	38.6723	3.55000	0.000000E+00
218	36.4202	1.65000	0.000000E+00
219	37.3890	1.65000	0.000000E+00
220	38.3578	1.65000	0.000000E+00
221	40.1410	2.55000	0.000000E+00
222	39.8265	1.65000	0.000000E+00
223	39.6410	3.55000	0.000000E+00
224	43.5160	2.55000	0.000000E+00
225	43.2015	1.65000	0.000000E+00
226	41.2660	2.55000	0.000000E+00
227	42.3910	2.55000	0.000000E+00
228	40.1410	3.55000	0.000000E+00
229	41.2660	3.55000	0.000000E+00
230	42.3910	3.55000	0.000000E+00
231	40.9515	1.65000	0.000000E+00
232	42.0765	1.65000	0.000000E+00
233	47.3910	2.55000	0.000000E+00
234	47.0765	1.65000	0.000000E+00
235	44.4848	2.55000	0.000000E+00
236	45.4535	2.55000	0.000000E+00
237	46.4222	2.55000	0.000000E+00
238	43.5160	3.55000	0.000000E+00
239	44.4848	3.55000	0.000000E+00
240	45.4535	3.55000	0.000000E+00

241	46.4222	3.55000	0.000000E+00
242	44.1702	1.65000	0.000000E+00
243	45.1390	1.65000	0.000000E+00
244	46.1077	1.65000	0.000000E+00
245	3.18000	9.10000	0.000000E+00
246	7.05500	9.10000	0.000000E+00
247	4.14875	9.10000	0.000000E+00
248	5.11750	9.10000	0.000000E+00
249	6.08625	9.10000	0.000000E+00
250	3.18000	10.1000	0.000000E+00
251	4.14875	10.1000	0.000000E+00
252	5.11750	10.1000	0.000000E+00
253	6.08625	10.1000	0.000000E+00
254	7.61400	10.7000	0.000000E+00
255	7.33450	9.90000	0.000000E+00
256	3.73900	10.7000	0.000000E+00
257	4.70775	10.7000	0.000000E+00
258	5.67650	10.7000	0.000000E+00
259	6.64525	10.7000	0.000000E+00
260	3.45950	9.90000	0.000000E+00
261	4.42825	9.90000	0.000000E+00
262	5.39700	9.90000	0.000000E+00
263	6.36575	9.90000	0.000000E+00
264	10.4300	9.10000	0.000000E+00
265	8.18000	9.10000	0.000000E+00
266	9.30500	9.10000	0.000000E+00
267	7.05500	10.1000	0.000000E+00
268	8.18000	10.1000	0.000000E+00
269	9.30500	10.1000	0.000000E+00
270	10.9890	10.7000	0.000000E+00
271	10.7095	9.90000	0.000000E+00
272	8.73900	10.7000	0.000000E+00
273	9.86400	10.7000	0.000000E+00
274	8.45950	9.90000	0.000000E+00
275	9.58450	9.90000	0.000000E+00
276	10.9300	9.10000	0.000000E+00
277	10.4300	10.1000	0.000000E+00
278	11.4890	10.7000	0.000000E+00
279	11.2095	9.90000	0.000000E+00
280	14.8050	9.10000	0.000000E+00
281	11.8987	9.10000	0.000000E+00
282	12.8675	9.10000	0.000000E+00
283	13.8362	9.10000	0.000000E+00
284	10.9300	10.1000	0.000000E+00
285	11.8987	10.1000	0.000000E+00
286	12.8675	10.1000	0.000000E+00
287	13.8362	10.1000	0.000000E+00
288	15.3640	10.7000	0.000000E+00
289	15.0845	9.90000	0.000000E+00
290	12.4577	10.7000	0.000000E+00
291	13.4265	10.7000	0.000000E+00
292	14.3952	10.7000	0.000000E+00
293	12.1782	9.90000	0.000000E+00
294	13.1470	9.90000	0.000000E+00
295	14.1157	9.90000	0.000000E+00
296	18.6800	9.10000	0.000000E+00
297	15.7737	9.10000	0.000000E+00
298	16.7425	9.10000	0.000000E+00
299	17.7113	9.10000	0.000000E+00
300	14.8050	10.1000	0.000000E+00
301	15.7737	10.1000	0.000000E+00
302	16.7425	10.1000	0.000000E+00
303	17.7113	10.1000	0.000000E+00
304	19.2390	10.7000	0.000000E+00
305	18.9595	9.90000	0.000000E+00
306	16.3328	10.7000	0.000000E+00
307	17.3015	10.7000	0.000000E+00
308	18.2703	10.7000	0.000000E+00
309	16.0532	9.90000	0.000000E+00
310	17.0220	9.90000	0.000000E+00
311	17.9908	9.90000	0.000000E+00
312	20.4300	9.10000	0.000000E+00
313	19.5550	9.10000	0.000000E+00
314	18.6800	10.1000	0.000000E+00
315	19.5550	10.1000	0.000000E+00
316	20.9890	10.7000	0.000000E+00
317	20.7095	9.90000	0.000000E+00
318	20.1140	10.7000	0.000000E+00
319	19.8345	9.90000	0.000000E+00
320	22.5550	9.10000	0.000000E+00
321	21.4925	9.10000	0.000000E+00
322	20.4300	10.1000	0.000000E+00
323	21.4925	10.1000	0.000000E+00
324	23.1140	10.7000	0.000000E+00
325	22.8345	9.90000	0.000000E+00
326	22.0515	10.7000	0.000000E+00
327	21.7720	9.90000	0.000000E+00
328	26.4300	9.10000	0.000000E+00
329	23.5237	9.10000	0.000000E+00
330	24.4925	9.10000	0.000000E+00
331	25.4612	9.10000	0.000000E+00
332	22.5550	10.1000	0.000000E+00
333	23.5237	10.1000	0.000000E+00
334	24.4925	10.1000	0.000000E+00
335	25.4612	10.1000	0.000000E+00
336	26.9890	10.7000	0.000000E+00
337	26.7095	9.90000	0.000000E+00
338	24.0827	10.7000	0.000000E+00

339	25.0515	10.7000	0.000000E+00
340	26.0202	10.7000	0.000000E+00
341	23.8032	9.90000	0.000000E+00
342	24.7720	9.90000	0.000000E+00
343	25.7407	9.90000	0.000000E+00
344	30.3050	9.10000	0.000000E+00
345	27.3987	9.10000	0.000000E+00
346	28.3675	9.10000	0.000000E+00
347	29.3363	9.10000	0.000000E+00
348	26.4300	10.1000	0.000000E+00
349	27.3987	10.1000	0.000000E+00
350	28.3675	10.1000	0.000000E+00
351	29.3363	10.1000	0.000000E+00
352	30.8640	10.7000	0.000000E+00
353	30.5845	9.90000	0.000000E+00
354	27.9577	10.7000	0.000000E+00
355	28.9265	10.7000	0.000000E+00
356	29.8953	10.7000	0.000000E+00
357	27.6783	9.90000	0.000000E+00
358	28.6470	9.90000	0.000000E+00
359	29.6158	9.90000	0.000000E+00
360	32.4300	9.10000	0.000000E+00
361	31.3675	9.10000	0.000000E+00
362	30.3050	10.1000	0.000000E+00
363	31.3675	10.1000	0.000000E+00
364	32.9890	10.7000	0.000000E+00
365	32.7095	9.90000	0.000000E+00
366	31.9265	10.7000	0.000000E+00
367	31.6470	9.90000	0.000000E+00
368	34.1800	9.10000	0.000000E+00
369	33.3050	9.10000	0.000000E+00
370	32.4300	10.1000	0.000000E+00
371	33.3050	10.1000	0.000000E+00
372	34.7390	10.7000	0.000000E+00
373	34.4595	9.90000	0.000000E+00
374	33.8640	10.7000	0.000000E+00
375	33.5845	9.90000	0.000000E+00
376	38.0550	9.10000	0.000000E+00
377	35.1487	9.10000	0.000000E+00
378	36.1175	9.10000	0.000000E+00
379	37.0862	9.10000	0.000000E+00
380	34.1800	10.1000	0.000000E+00
381	35.1487	10.1000	0.000000E+00
382	36.1175	10.1000	0.000000E+00
383	37.0862	10.1000	0.000000E+00
384	38.6140	10.7000	0.000000E+00
385	38.3345	9.90000	0.000000E+00
386	35.7077	10.7000	0.000000E+00
387	36.6765	10.7000	0.000000E+00
388	37.6453	10.7000	0.000000E+00
389	35.4282	9.90000	0.000000E+00
390	36.3970	9.90000	0.000000E+00
391	37.3657	9.90000	0.000000E+00
392	41.9300	9.10000	0.000000E+00
393	39.0237	9.10000	0.000000E+00
394	39.9925	9.10000	0.000000E+00
395	40.9613	9.10000	0.000000E+00
396	38.0550	10.1000	0.000000E+00
397	39.0237	10.1000	0.000000E+00
398	39.9925	10.1000	0.000000E+00
399	40.9613	10.1000	0.000000E+00
400	42.4890	10.7000	0.000000E+00
401	42.2095	9.90000	0.000000E+00
402	39.5827	10.7000	0.000000E+00
403	40.5515	10.7000	0.000000E+00
404	41.5203	10.7000	0.000000E+00
405	39.3032	9.90000	0.000000E+00
406	40.2720	9.90000	0.000000E+00
407	41.2408	9.90000	0.000000E+00
408	42.4300	9.10000	0.000000E+00
409	41.9300	10.1000	0.000000E+00
410	42.9890	10.7000	0.000000E+00
411	42.7095	9.90000	0.000000E+00
412	45.8050	9.10000	0.000000E+00
413	43.5550	9.10000	0.000000E+00
414	44.6800	9.10000	0.000000E+00
415	42.4300	10.1000	0.000000E+00
416	43.5550	10.1000	0.000000E+00
417	44.6800	10.1000	0.000000E+00
418	46.3640	10.7000	0.000000E+00
419	46.0845	9.90000	0.000000E+00
420	44.1140	10.7000	0.000000E+00
421	45.2390	10.7000	0.000000E+00
422	43.8345	9.90000	0.000000E+00
423	44.9595	9.90000	0.000000E+00
424	49.6800	9.10000	0.000000E+00
425	46.7737	9.10000	0.000000E+00
426	47.7425	9.10000	0.000000E+00
427	48.7112	9.10000	0.000000E+00
428	45.8050	10.1000	0.000000E+00
429	46.7737	10.1000	0.000000E+00
430	47.7425	10.1000	0.000000E+00
431	48.7112	10.1000	0.000000E+00
432	50.2390	10.7000	0.000000E+00
433	49.9595	9.90000	0.000000E+00
434	47.3328	10.7000	0.000000E+00
435	48.3015	10.7000	0.000000E+00
436	49.2702	10.7000	0.000000E+00

437	47.0533	9.90000	0.000000E+00
438	48.0220	9.90000	0.000000E+00
439	48.9907	9.90000	0.000000E+00
440	7.87600	11.4500	0.000000E+00
441	4.00100	11.4500	0.000000E+00
442	4.96975	11.4500	0.000000E+00
443	5.93850	11.4500	0.000000E+00
444	6.90725	11.4500	0.000000E+00
445	11.2510	11.4500	0.000000E+00
446	9.00100	11.4500	0.000000E+00
447	10.1260	11.4500	0.000000E+00
448	11.7510	11.4500	0.000000E+00
449	15.6260	11.4500	0.000000E+00
450	12.7197	11.4500	0.000000E+00
451	13.6885	11.4500	0.000000E+00
452	14.6572	11.4500	0.000000E+00
453	19.5010	11.4500	0.000000E+00
454	16.5948	11.4500	0.000000E+00
455	17.5635	11.4500	0.000000E+00
456	18.5323	11.4500	0.000000E+00
457	21.2510	11.4500	0.000000E+00
458	20.3760	11.4500	0.000000E+00
459	23.3760	11.4500	0.000000E+00
460	22.3135	11.4500	0.000000E+00
461	27.2510	11.4500	0.000000E+00
462	24.3447	11.4500	0.000000E+00
463	25.3135	11.4500	0.000000E+00
464	26.2823	11.4500	0.000000E+00
465	31.1260	11.4500	0.000000E+00
466	28.2197	11.4500	0.000000E+00
467	29.1885	11.4500	0.000000E+00
468	30.1573	11.4500	0.000000E+00
469	33.2510	11.4500	0.000000E+00
470	32.1885	11.4500	0.000000E+00
471	35.0010	11.4500	0.000000E+00
472	34.1260	11.4500	0.000000E+00
473	38.8760	11.4500	0.000000E+00
474	35.9697	11.4500	0.000000E+00
475	36.9385	11.4500	0.000000E+00
476	37.9073	11.4500	0.000000E+00
477	42.7510	11.4500	0.000000E+00
478	39.8447	11.4500	0.000000E+00
479	40.8135	11.4500	0.000000E+00
480	41.7823	11.4500	0.000000E+00
481	43.2510	11.4500	0.000000E+00
482	46.6260	11.4500	0.000000E+00
483	44.3760	11.4500	0.000000E+00
484	45.5010	11.4500	0.000000E+00
485	50.5010	11.4500	0.000000E+00
486	47.5948	11.4500	0.000000E+00
487	48.5635	11.4500	0.000000E+00
488	49.5323	11.4500	0.000000E+00
489	5.91050	5.82500	0.000000E+00
490	5.14750	3.64167	0.000000E+00
491	5.52900	4.73333	0.000000E+00
492	2.03550	5.82500	0.000000E+00
493	4.94175	5.82500	0.000000E+00
494	3.97300	5.82500	0.000000E+00
495	3.00425	5.82500	0.000000E+00
496	1.27250	3.64167	0.000000E+00
497	1.65400	4.73333	0.000000E+00
498	2.24125	3.64167	0.000000E+00
499	3.21000	3.64167	0.000000E+00
500	4.17875	3.64167	0.000000E+00
501	2.62275	4.73333	0.000000E+00
502	3.59150	4.73333	0.000000E+00
503	4.56025	4.73333	0.000000E+00
504	6.29200	6.91667	0.000000E+00
505	6.67350	8.00833	0.000000E+00
506	2.41700	6.91667	0.000000E+00
507	2.79850	8.00833	0.000000E+00
508	3.38575	6.91667	0.000000E+00
509	4.35450	6.91667	0.000000E+00
510	5.32325	6.91667	0.000000E+00
511	3.76725	8.00833	0.000000E+00
512	4.73600	8.00833	0.000000E+00
513	5.70475	8.00833	0.000000E+00
514	9.28550	5.82500	0.000000E+00
515	8.52250	3.64167	0.000000E+00
516	8.90400	4.73333	0.000000E+00
517	8.16050	5.82500	0.000000E+00
518	7.03550	5.82500	0.000000E+00
519	6.27250	3.64167	0.000000E+00
520	7.39750	3.64167	0.000000E+00
521	6.65400	4.73333	0.000000E+00
522	7.77900	4.73333	0.000000E+00
523	9.66700	6.91667	0.000000E+00
524	10.0485	8.00833	0.000000E+00
525	7.41700	6.91667	0.000000E+00
526	8.54200	6.91667	0.000000E+00
527	7.79850	8.00833	0.000000E+00
528	8.92350	8.00833	0.000000E+00
529	9.78550	5.82500	0.000000E+00
530	9.02250	3.64167	0.000000E+00
531	9.40400	4.73333	0.000000E+00
532	10.1670	6.91667	0.000000E+00
533	10.5485	8.00833	0.000000E+00
534	13.6605	5.82500	0.000000E+00



535	12.8975	3.64167	0.000000E+00
536	13.2790	4.73333	0.000000E+00
537	12.6917	5.82500	0.000000E+00
538	11.7230	5.82500	0.000000E+00
539	10.7542	5.82500	0.000000E+00
540	9.99125	3.64167	0.000000E+00
541	10.9600	3.64167	0.000000E+00
542	11.9288	3.64167	0.000000E+00
543	10.3727	4.73333	0.000000E+00
544	11.3415	4.73333	0.000000E+00
545	12.3102	4.73333	0.000000E+00
546	14.0420	6.91667	0.000000E+00
547	14.4235	8.00833	0.000000E+00
548	11.1357	6.91667	0.000000E+00
549	12.1045	6.91667	0.000000E+00
550	13.0732	6.91667	0.000000E+00
551	11.5172	8.00833	0.000000E+00
552	12.4860	8.00833	0.000000E+00
553	13.4548	8.00833	0.000000E+00
554	17.5355	5.82500	0.000000E+00
555	16.7725	3.64167	0.000000E+00
556	17.1540	4.73333	0.000000E+00
557	16.5668	5.82500	0.277556E-16
558	15.5980	5.82500	0.277556E-16
559	14.6292	5.82500	0.277556E-16
560	13.8663	3.64167	0.000000E+00
561	14.8350	3.64167	0.000000E+00
562	15.8038	3.64167	0.000000E+00
563	14.2477	4.73333	0.000000E+00
564	15.2165	4.73333	0.000000E+00
565	16.1853	4.73333	0.000000E+00
566	17.9170	6.91667	0.000000E+00
567	18.2985	8.00833	0.000000E+00
568	15.0107	6.91667	0.000000E+00
569	15.9795	6.91667	0.000000E+00
570	16.9483	6.91667	0.000000E+00
571	15.3922	8.00833	0.000000E+00
572	16.3610	8.00833	0.000000E+00
573	17.3298	8.00833	0.000000E+00
574	19.2855	5.82500	0.000000E+00
575	18.5225	3.64167	0.000000E+00
576	18.9040	4.73333	0.000000E+00
577	18.4105	5.82500	0.000000E+00
578	17.6475	3.64167	0.000000E+00
579	18.0290	4.73333	0.000000E+00
580	19.6670	6.91667	0.000000E+00
581	20.0485	8.00833	0.000000E+00
582	18.7920	6.91667	0.000000E+00
583	19.1735	8.00833	0.000000E+00
584	21.4105	5.82500	0.000000E+00
585	20.6475	3.64167	0.000000E+00
586	21.0290	4.73333	0.000000E+00
587	20.3480	5.82500	0.000000E+00
588	19.5850	3.64167	0.000000E+00
589	19.9665	4.73333	0.000000E+00
590	21.7920	6.91667	0.000000E+00
591	22.1735	8.00833	0.000000E+00
592	20.7295	6.91667	0.000000E+00
593	21.1110	8.00833	0.000000E+00
594	25.2855	5.82500	0.000000E+00
595	24.5225	3.64167	0.000000E+00
596	24.9040	4.73333	0.000000E+00
597	24.3167	5.82500	0.000000E+00
598	23.3480	5.82500	0.000000E+00
599	22.3793	5.82500	0.000000E+00
600	21.6163	3.64167	0.000000E+00
601	22.5850	3.64167	0.000000E+00
602	23.5537	3.64167	0.000000E+00
603	21.9977	4.73333	0.000000E+00
604	22.9665	4.73333	0.000000E+00
605	23.9352	4.73333	0.000000E+00
606	25.6670	6.91667	0.000000E+00
607	26.0485	8.00833	0.000000E+00
608	22.7607	6.91667	0.000000E+00
609	23.7295	6.91667	0.000000E+00
610	24.6982	6.91667	0.000000E+00
611	23.1422	8.00833	0.000000E+00
612	24.1110	8.00833	0.000000E+00
613	25.0798	8.00833	0.000000E+00
614	29.1605	5.82500	0.000000E+00
615	28.3975	3.64167	0.000000E+00
616	28.7790	4.73333	0.000000E+00
617	28.1918	5.82500	0.000000E+00
618	27.2230	5.82500	0.000000E+00
619	26.2542	5.82500	0.000000E+00
620	25.4913	3.64167	0.000000E+00
621	26.4600	3.64167	0.000000E+00
622	27.4288	3.64167	0.000000E+00
623	25.8727	4.73333	0.000000E+00
624	26.8415	4.73333	0.000000E+00
625	27.8103	4.73333	0.000000E+00
626	29.5420	6.91667	0.000000E+00
627	29.9235	8.00833	0.000000E+00
628	26.6358	6.91667	0.000000E+00
629	27.6045	6.91667	0.000000E+00
630	28.5733	6.91667	0.000000E+00
631	27.0173	8.00833	0.000000E+00
632	27.9860	8.00833	0.000000E+00

633	28.9548	8.00833	0.00000E+00
634	31.2855	5.82500	0.00000E+00
635	30.5225	3.64167	0.00000E+00
636	30.9040	4.73333	0.00000E+00
637	30.2230	5.82500	0.00000E+00
638	29.4600	3.64167	0.00000E+00
639	29.8415	4.73333	0.00000E+00
640	31.6670	6.91667	0.00000E+00
641	32.0485	8.00833	0.00000E+00
642	30.6045	6.91667	0.00000E+00
643	30.9860	8.00833	0.00000E+00
644	33.0355	5.82500	0.00000E+00
645	32.2725	3.64167	0.00000E+00
646	32.6540	4.73333	0.00000E+00
647	32.1605	5.82500	0.00000E+00
648	31.3975	3.64167	0.00000E+00
649	31.7790	4.73333	0.00000E+00
650	33.4170	6.91667	0.00000E+00
651	33.7985	8.00833	0.00000E+00
652	32.5420	6.91667	0.00000E+00
653	32.9235	8.00833	0.00000E+00
654	36.9105	5.82500	0.00000E+00
655	36.1475	3.64167	0.00000E+00
656	36.5290	4.73333	0.00000E+00
657	35.9417	5.82500	0.12490E-15
658	34.9730	5.82500	0.971445E-16
659	34.0042	5.82500	0.971445E-16
660	33.2413	3.64167	0.00000E+00
661	34.2100	3.64167	0.00000E+00
662	35.1787	3.64167	0.00000E+00
663	33.6227	4.73333	0.00000E+00
664	34.5915	4.73333	0.00000E+00
665	35.5602	4.73333	0.00000E+00
666	37.2920	6.91667	0.00000E+00
667	37.6735	8.00833	0.00000E+00
668	34.3857	6.91667	0.00000E+00
669	35.3545	6.91667	0.00000E+00
670	36.3233	6.91667	0.00000E+00
671	34.7672	8.00833	0.00000E+00
672	35.7360	8.00833	0.00000E+00
673	36.7047	8.00833	0.00000E+00
674	40.7855	5.82500	0.00000E+00
675	40.0225	3.64167	0.00000E+00
676	40.4040	4.73333	0.00000E+00
677	39.8168	5.82500	-0.832667E-16
678	38.8480	5.82500	-0.832667E-16
679	37.8793	5.82500	-0.832667E-16
680	37.1162	3.64167	0.00000E+00
681	38.0850	3.64167	0.00000E+00
682	39.0538	3.64167	0.00000E+00
683	37.4978	4.73333	0.00000E+00
684	38.4665	4.73333	0.00000E+00
685	39.4353	4.73333	0.00000E+00
686	41.1670	6.91667	0.00000E+00
687	41.5485	8.00833	0.00000E+00
688	38.2607	6.91667	0.00000E+00
689	39.2295	6.91667	0.00000E+00
690	40.1983	6.91667	0.00000E+00
691	38.6422	8.00833	0.00000E+00
692	39.6110	8.00833	0.00000E+00
693	40.5798	8.00833	0.00000E+00
694	41.2855	5.82500	0.00000E+00
695	40.5225	3.64167	0.00000E+00
696	40.9040	4.73333	0.00000E+00
697	41.6670	6.91667	0.00000E+00
698	42.0485	8.00833	0.00000E+00
699	44.6605	5.82500	0.00000E+00
700	43.8975	3.64167	0.00000E+00
701	44.2790	4.73333	0.00000E+00
702	43.5355	5.82500	0.00000E+00
703	42.4105	5.82500	0.00000E+00
704	41.6475	3.64167	0.00000E+00
705	42.7725	3.64167	0.00000E+00
706	42.0290	4.73333	0.00000E+00
707	43.1540	4.73333	0.00000E+00
708	45.0420	6.91667	0.00000E+00
709	45.4235	8.00833	0.00000E+00
710	42.7920	6.91667	0.00000E+00
711	43.9170	6.91667	0.00000E+00
712	43.1735	8.00833	0.00000E+00
713	44.2985	8.00833	0.00000E+00
714	48.5355	5.82500	0.00000E+00
715	47.7725	3.64167	0.00000E+00
716	48.1540	4.73333	0.00000E+00
717	47.5668	5.82500	0.00000E+00
718	46.5980	5.82500	0.00000E+00
719	45.6292	5.82500	0.00000E+00
720	44.8663	3.64167	0.00000E+00
721	45.8350	3.64167	0.00000E+00
722	46.8037	3.64167	0.00000E+00
723	45.2477	4.73333	0.00000E+00
724	46.2165	4.73333	0.00000E+00
725	47.1852	4.73333	0.00000E+00
726	48.9170	6.91667	0.00000E+00
727	49.2985	8.00833	0.00000E+00
728	46.0108	6.91667	0.00000E+00
729	46.9795	6.91667	0.00000E+00
730	47.9482	6.91667	0.00000E+00

731	46.3923	8.00833	0.00000E+00
732	47.3610	8.00833	0.00000E+00
733	48.3297	8.00833	0.00000E+00
734	0.891000	2.55000	-0.550000
735	0.891000	2.55000	-0.275000
736	-0.109000	2.55000	0.00000E+00
737	-0.109000	2.55000	-0.275000
738	4.76600	2.55000	-0.605000
739	4.76600	2.55000	-0.302500
740	3.76600	2.55000	0.00000E+00
741	3.76600	2.55000	-0.302500
742	8.64100	2.55000	-0.605000
743	8.64100	2.55000	-0.302500
744	7.64100	2.55000	0.00000E+00
745	7.64100	2.55000	-0.302500
746	12.5160	2.55000	-0.605000
747	12.5160	2.55000	-0.302500
748	11.5160	2.55000	0.00000E+00
749	11.5160	2.55000	-0.302500
750	16.3910	2.55000	-0.605000
751	16.3910	2.55000	-0.302500
752	15.3910	2.55000	0.00000E+00
753	15.3910	2.55000	-0.302500
754	20.2660	2.55000	-0.605000
755	20.2660	2.55000	-0.302500
756	19.2660	2.55000	0.00000E+00
757	19.2660	2.55000	-0.302500
758	24.1410	2.55000	-0.605000
759	24.1410	2.55000	-0.302500
760	23.1410	2.55000	0.00000E+00
761	23.1410	2.55000	-0.302500
762	28.0160	2.55000	-0.605000
763	28.0160	2.55000	-0.302500
764	27.0160	2.55000	0.00000E+00
765	27.0160	2.55000	-0.302500
766	31.8910	2.55000	-0.605000
767	31.8910	2.55000	-0.302500
768	30.8910	2.55000	0.00000E+00
769	30.8910	2.55000	-0.302500
770	35.7660	2.55000	-0.605000
771	35.7660	2.55000	-0.302500
772	34.7660	2.55000	0.00000E+00
773	34.7660	2.55000	-0.302500
774	39.6410	2.55000	-0.605000
775	39.6410	2.55000	-0.302500
776	38.6410	2.55000	0.00000E+00
777	38.6410	2.55000	-0.302500
778	43.5160	2.55000	-0.605000
779	43.5160	2.55000	-0.302500
780	42.5160	2.55000	0.00000E+00
781	42.5160	2.55000	-0.302500
782	47.3910	2.55000	-0.550000
783	47.3910	2.55000	-0.275000
784	46.3910	2.55000	0.00000E+00
785	46.3910	2.55000	-0.275000
786	3.18000	9.10000	-0.550000
787	3.18000	9.10000	-0.275000
788	4.18000	9.10000	0.00000E+00
789	4.18000	9.10000	-0.275000
790	7.05500	9.10000	-0.605000
791	7.05500	9.10000	-0.302500
792	8.05500	9.10000	0.00000E+00
793	8.05500	9.10000	-0.302500
794	10.9300	9.10000	-0.605000
795	10.9300	9.10000	-0.302500
796	11.9300	9.10000	0.00000E+00
797	11.9300	9.10000	-0.302500
798	14.8050	9.10000	-0.605000
799	14.8050	9.10000	-0.302500
800	15.8050	9.10000	0.00000E+00
801	15.8050	9.10000	-0.302500
802	18.6800	9.10000	-0.605000
803	18.6800	9.10000	-0.302500
804	19.6800	9.10000	0.00000E+00
805	19.6800	9.10000	-0.302500
806	22.5550	9.10000	-0.605000
807	22.5550	9.10000	-0.302500
808	23.5550	9.10000	0.00000E+00
809	23.5550	9.10000	-0.302500
810	26.4300	9.10000	-0.605000
811	26.4300	9.10000	-0.302500
812	27.4300	9.10000	0.00000E+00
813	27.4300	9.10000	-0.302500
814	30.3050	9.10000	-0.605000
815	30.3050	9.10000	-0.302500
816	31.3050	9.10000	0.00000E+00
817	31.3050	9.10000	-0.302500
818	34.1800	9.10000	-0.605000
819	34.1800	9.10000	-0.302500
820	35.1800	9.10000	0.00000E+00
821	35.1800	9.10000	-0.302500
822	38.0550	9.10000	-0.605000
823	38.0550	9.10000	-0.302500
824	39.0550	9.10000	0.00000E+00
825	39.0550	9.10000	-0.302500
826	41.9300	9.10000	-0.605000
827	41.9300	9.10000	-0.302500
828	42.9300	9.10000	0.00000E+00

829	42.9300	9.10000	-0.302500
830	45.8050	9.10000	-0.605000
831	45.8050	9.10000	-0.302500
832	46.8050	9.10000	0.000000E+00
833	46.8050	9.10000	-0.302500
834	49.6800	9.10000	-0.550000
835	49.6800	9.10000	-0.275000
836	50.6800	9.10000	0.000000E+00
837	50.6800	9.10000	-0.275000
838	0.891000	2.55000	-1.00000
839	0.891000	2.55000	-0.775000
840	-0.109000	2.55000	-0.550000
841	-0.109000	2.55000	-0.775000
842	47.3910	2.55000	-1.00000
843	47.3910	2.55000	-0.775000
844	46.3910	2.55000	-0.550000
845	46.3910	2.55000	-0.775000
846	3.18000	9.10000	-1.00000
847	3.18000	9.10000	-0.775000
848	4.18000	9.10000	-0.550000
849	4.18000	9.10000	-0.775000
850	49.6800	9.10000	-1.00000
851	49.6800	9.10000	-0.775000
852	50.6800	9.10000	-0.550000
853	50.6800	9.10000	-0.775000
854	4.76600	2.55000	-1.00500
855	4.76600	2.55000	-0.805000
856	3.76600	2.55000	-0.605000
857	3.76600	2.55000	-0.805000
858	8.64100	2.55000	-1.00500
859	8.64100	2.55000	-0.805000
860	7.64100	2.55000	-0.605000
861	7.64100	2.55000	-0.805000
862	12.5160	2.55000	-1.00500
863	12.5160	2.55000	-0.805000
864	11.5160	2.55000	-0.605000
865	11.5160	2.55000	-0.805000
866	16.3910	2.55000	-1.00500
867	16.3910	2.55000	-0.805000
868	15.3910	2.55000	-0.605000
869	15.3910	2.55000	-0.805000
870	20.2660	2.55000	-1.00500
871	20.2660	2.55000	-0.805000
872	19.2660	2.55000	-0.605000
873	19.2660	2.55000	-0.805000
874	24.1410	2.55000	-1.00500
875	24.1410	2.55000	-0.805000
876	23.1410	2.55000	-0.605000
877	23.1410	2.55000	-0.805000
878	28.0160	2.55000	-1.00500
879	28.0160	2.55000	-0.805000
880	27.0160	2.55000	-0.605000
881	27.0160	2.55000	-0.805000
882	31.8910	2.55000	-1.00500
883	31.8910	2.55000	-0.805000
884	30.8910	2.55000	-0.605000
885	30.8910	2.55000	-0.805000
886	35.7660	2.55000	-1.00500
887	35.7660	2.55000	-0.805000
888	34.7660	2.55000	-0.605000
889	34.7660	2.55000	-0.805000
890	39.6410	2.55000	-1.00500
891	39.6410	2.55000	-0.805000
892	38.6410	2.55000	-0.605000
893	38.6410	2.55000	-0.805000
894	43.5160	2.55000	-1.00500
895	43.5160	2.55000	-0.805000
896	42.5160	2.55000	-0.605000
897	42.5160	2.55000	-0.805000
898	7.05500	9.10000	-1.00500
899	7.05500	9.10000	-0.805000
900	8.05500	9.10000	-0.605000
901	8.05500	9.10000	-0.805000
902	10.9300	9.10000	-1.00500
903	10.9300	9.10000	-0.805000
904	11.9300	9.10000	-0.605000
905	11.9300	9.10000	-0.805000
906	14.8050	9.10000	-1.00500
907	14.8050	9.10000	-0.805000
908	15.8050	9.10000	-0.605000
909	15.8050	9.10000	-0.805000
910	18.6800	9.10000	-1.00500
911	18.6800	9.10000	-0.805000
912	19.6800	9.10000	-0.605000
913	19.6800	9.10000	-0.805000
914	22.5550	9.10000	-1.00500
915	22.5550	9.10000	-0.805000
916	23.5550	9.10000	-0.605000
917	23.5550	9.10000	-0.805000
918	26.4300	9.10000	-1.00500
919	26.4300	9.10000	-0.805000
920	27.4300	9.10000	-0.605000
921	27.4300	9.10000	-0.805000
922	30.3050	9.10000	-1.00500
923	30.3050	9.10000	-0.805000
924	31.3050	9.10000	-0.605000
925	31.3050	9.10000	-0.805000
926	34.1800	9.10000	-1.00500

927	34.1800	9.10000	-0.805000
928	35.1800	9.10000	-0.605000
929	35.1800	9.10000	-0.805000
930	38.0550	9.10000	-1.00500
931	38.0550	9.10000	-0.805000
932	39.0550	9.10000	-0.605000
933	39.0550	9.10000	-0.805000
934	41.9300	9.10000	-1.00500
935	41.9300	9.10000	-0.805000
936	42.9300	9.10000	-0.605000
937	42.9300	9.10000	-0.805000
938	45.8050	9.10000	-1.00500
939	45.8050	9.10000	-0.805000
940	46.8050	9.10000	-0.605000
941	46.8050	9.10000	-0.805000
942	1.21800	3.48571	-1.00000
943	1.54500	4.42143	-1.00000
944	1.87200	5.35714	-1.00000
945	2.19900	6.29286	-1.00000
946	2.52600	7.22857	-1.00000
947	2.85300	8.16429	-1.00000
948	-0.530155E-01	2.87990	-1.00000
949	0.273984	3.81562	-1.00000
950	0.600984	4.75133	-1.00000
951	0.927984	5.68704	-1.00000
952	1.25498	6.62276	-1.00000
953	1.58198	7.55847	-1.00000
954	1.90898	8.49419	-1.00000
955	47.7180	3.48571	-1.00000
956	48.0450	4.42143	-1.00000
957	48.3720	5.35714	-1.00000
958	48.6990	6.29286	-1.00000
959	49.0260	7.22857	-1.00000
960	49.3530	8.16429	-1.00000
961	46.4470	2.87990	-1.00000
962	46.7740	3.81562	-1.00000
963	47.1010	4.75133	-1.00000
964	47.4280	5.68704	-1.00000
965	47.7550	6.62276	-1.00000
966	48.0820	7.55847	-1.00000
967	48.4090	8.49419	-1.00000
968	5.09300	3.48571	-1.00500
969	5.42000	4.42143	-1.00500
970	5.74700	5.35714	-1.00500
971	6.07400	6.29286	-1.00500
972	6.40100	7.22857	-1.00500
973	6.72800	8.16429	-1.00500
974	3.82198	2.87990	-1.00500
975	4.14898	3.81562	-1.00500
976	4.47598	4.75133	-1.00500
977	4.80298	5.68704	-1.00500
978	5.12998	6.62276	-1.00500
979	5.45698	7.55847	-1.00500
980	5.78398	8.49419	-1.00500
981	8.96800	3.48571	-1.00500
982	9.29500	4.42143	-1.00500
983	9.62200	5.35714	-1.00500
984	9.94900	6.29286	-1.00500
985	10.2760	7.22857	-1.00500
986	10.6030	8.16429	-1.00500
987	7.69698	2.87990	-1.00500
988	8.02398	3.81562	-1.00500
989	8.35098	4.75133	-1.00500
990	8.67798	5.68704	-1.00500
991	9.00498	6.62276	-1.00500
992	9.33198	7.55847	-1.00500
993	9.65898	8.49419	-1.00500
994	12.8430	3.48571	-1.00500
995	13.1700	4.42143	-1.00500
996	13.4970	5.35714	-1.00500
997	13.8240	6.29286	-1.00500
998	14.1510	7.22857	-1.00500
999	14.4780	8.16429	-1.00500
1000	11.5720	2.87990	-1.00500
1001	11.8990	3.81562	-1.00500
1002	12.2260	4.75133	-1.00500
1003	12.5530	5.68704	-1.00500
1004	12.8800	6.62276	-1.00500
1005	13.2070	7.55847	-1.00500
1006	13.5340	8.49419	-1.00500
1007	16.7180	3.48571	-1.00500
1008	17.0450	4.42143	-1.00500
1009	17.3720	5.35714	-1.00500
1010	17.6990	6.29286	-1.00500
1011	18.0260	7.22857	-1.00500
1012	18.3530	8.16429	-1.00500
1013	15.4470	2.87990	-1.00500
1014	15.7740	3.81562	-1.00500
1015	16.1010	4.75133	-1.00500
1016	16.4280	5.68704	-1.00500
1017	16.7550	6.62276	-1.00500
1018	17.0820	7.55847	-1.00500
1019	17.4090	8.49419	-1.00500
1020	20.5930	3.48571	-1.00500
1021	20.9200	4.42143	-1.00500
1022	21.2470	5.35714	-1.00500
1023	21.5740	6.29286	-1.00500
1024	21.9010	7.22857	-1.00500

1025	22.2280	8.16429	-1.00500
1026	19.3220	2.87990	-1.00500
1027	19.6490	3.81562	-1.00500
1028	19.9760	4.75133	-1.00500
1029	20.3030	5.68704	-1.00500
1030	20.6300	6.62276	-1.00500
1031	20.9570	7.55847	-1.00500
1032	21.2840	8.49419	-1.00500
1033	24.4680	3.48571	-1.00500
1034	24.7950	4.42143	-1.00500
1035	25.1220	5.35714	-1.00500
1036	25.4490	6.29286	-1.00500
1037	25.7760	7.22857	-1.00500
1038	26.1030	8.16429	-1.00500
1039	23.1970	2.87990	-1.00500
1040	23.5240	3.81562	-1.00500
1041	23.8510	4.75133	-1.00500
1042	24.1780	5.68704	-1.00500
1043	24.5050	6.62276	-1.00500
1044	24.8320	7.55847	-1.00500
1045	25.1590	8.49419	-1.00500
1046	28.3430	3.48571	-1.00500
1047	28.6700	4.42143	-1.00500
1048	28.9970	5.35714	-1.00500
1049	29.3240	6.29286	-1.00500
1050	29.6510	7.22857	-1.00500
1051	29.9780	8.16429	-1.00500
1052	27.0720	2.87990	-1.00500
1053	27.3990	3.81562	-1.00500
1054	27.7260	4.75133	-1.00500
1055	28.0530	5.68704	-1.00500
1056	28.3800	6.62276	-1.00500
1057	28.7070	7.55847	-1.00500
1058	29.0340	8.49419	-1.00500
1059	32.2180	3.48571	-1.00500
1060	32.5450	4.42143	-1.00500
1061	32.8720	5.35714	-1.00500
1062	33.1990	6.29286	-1.00500
1063	33.5260	7.22857	-1.00500
1064	33.8530	8.16429	-1.00500
1065	30.9470	2.87990	-1.00500
1066	31.2740	3.81562	-1.00500
1067	31.6010	4.75133	-1.00500
1068	31.9280	5.68704	-1.00500
1069	32.2550	6.62276	-1.00500
1070	32.5820	7.55847	-1.00500
1071	32.9090	8.49419	-1.00500
1072	36.0930	3.48571	-1.00500
1073	36.4200	4.42143	-1.00500
1074	36.7470	5.35714	-1.00500
1075	37.0740	6.29286	-1.00500
1076	37.4010	7.22857	-1.00500
1077	37.7280	8.16429	-1.00500
1078	34.8220	2.87990	-1.00500
1079	35.1490	3.81562	-1.00500
1080	35.4760	4.75133	-1.00500
1081	35.8030	5.68704	-1.00500
1082	36.1300	6.62276	-1.00500
1083	36.4570	7.55847	-1.00500
1084	36.7840	8.49419	-1.00500
1085	39.9680	3.48571	-1.00500
1086	40.2950	4.42143	-1.00500
1087	40.6220	5.35714	-1.00500
1088	40.9490	6.29286	-1.00500
1089	41.2760	7.22857	-1.00500
1090	41.6030	8.16429	-1.00500
1091	38.6970	2.87990	-1.00500
1092	39.0240	3.81562	-1.00500
1093	39.3510	4.75133	-1.00500
1094	39.6780	5.68704	-1.00500
1095	40.0050	6.62276	-1.00500
1096	40.3320	7.55847	-1.00500
1097	40.6590	8.49419	-1.00500
1098	43.8430	3.48571	-1.00500
1099	44.1700	4.42143	-1.00500
1100	44.4970	5.35714	-1.00500
1101	44.8240	6.29286	-1.00500
1102	45.1510	7.22857	-1.00500
1103	45.4780	8.16429	-1.00500
1104	42.5720	2.87990	-1.00500
1105	42.8990	3.81562	-1.00500
1106	43.2260	4.75133	-1.00500
1107	43.5530	5.68704	-1.00500
1108	43.8800	6.62276	-1.00500
1109	44.2070	7.55847	-1.00500
1110	44.5340	8.49419	-1.00500
1111	4.76600	2.55000	-1.40500
1112	4.76600	2.55000	-2.40000
1113	4.76600	2.55000	-1.90250
1114	3.76600	2.55000	-1.40500
1115	3.76600	2.55000	-1.90250
1116	4.76600	2.55000	-1.20500
1117	3.76600	2.55000	-1.00500
1118	3.76600	2.55000	-1.20500
1119	8.64100	2.55000	-1.40500
1120	8.64100	2.55000	-2.40000
1121	8.64100	2.55000	-1.90250
1122	7.64100	2.55000	-1.40500

1123	7.64100	2.55000	-1.90250
1124	8.64100	2.55000	-1.20500
1125	7.64100	2.55000	-1.00500
1126	7.64100	2.55000	-1.20500
1127	12.5160	2.55000	-1.40500
1128	12.5160	2.55000	-2.40000
1129	12.5160	2.55000	-1.90250
1130	11.5160	2.55000	-1.40500
1131	11.5160	2.55000	-1.90250
1132	12.5160	2.55000	-1.20500
1133	11.5160	2.55000	-1.00500
1134	11.5160	2.55000	-1.20500
1135	16.3910	2.55000	-1.40500
1136	16.3910	2.55000	-2.40000
1137	16.3910	2.55000	-1.90250
1138	15.3910	2.55000	-1.40500
1139	15.3910	2.55000	-1.90250
1140	16.3910	2.55000	-1.20500
1141	15.3910	2.55000	-1.00500
1142	15.3910	2.55000	-1.20500
1143	20.2660	2.55000	-1.40500
1144	20.2660	2.55000	-2.40000
1145	20.2660	2.55000	-1.90250
1146	19.2660	2.55000	-1.40500
1147	19.2660	2.55000	-1.90250
1148	20.2660	2.55000	-1.20500
1149	19.2660	2.55000	-1.00500
1150	19.2660	2.55000	-1.20500
1151	24.1410	2.55000	-1.40500
1152	24.1410	2.55000	-2.40000
1153	24.1410	2.55000	-1.90250
1154	23.1410	2.55000	-1.40500
1155	23.1410	2.55000	-1.90250
1156	24.1410	2.55000	-1.20500
1157	23.1410	2.55000	-1.00500
1158	23.1410	2.55000	-1.20500
1159	28.0160	2.55000	-1.40500
1160	28.0160	2.55000	-2.40000
1161	28.0160	2.55000	-1.90250
1162	27.0160	2.55000	-1.40500
1163	27.0160	2.55000	-1.90250
1164	28.0160	2.55000	-1.20500
1165	27.0160	2.55000	-1.00500
1166	27.0160	2.55000	-1.20500
1167	31.8910	2.55000	-1.40500
1168	31.8910	2.55000	-2.40000
1169	31.8910	2.55000	-1.90250
1170	30.8910	2.55000	-1.40500
1171	30.8910	2.55000	-1.90250
1172	31.8910	2.55000	-1.20500
1173	30.8910	2.55000	-1.00500
1174	30.8910	2.55000	-1.20500
1175	35.7660	2.55000	-1.40500
1176	35.7660	2.55000	-2.40000
1177	35.7660	2.55000	-1.90250
1178	34.7660	2.55000	-1.40500
1179	34.7660	2.55000	-1.90250
1180	35.7660	2.55000	-1.20500
1181	34.7660	2.55000	-1.00500
1182	34.7660	2.55000	-1.20500
1183	39.6410	2.55000	-1.40500
1184	39.6410	2.55000	-2.40000
1185	39.6410	2.55000	-1.90250
1186	38.6410	2.55000	-1.40500
1187	38.6410	2.55000	-1.90250
1188	39.6410	2.55000	-1.20500
1189	38.6410	2.55000	-1.00500
1190	38.6410	2.55000	-1.20500
1191	43.5160	2.55000	-1.40500
1192	43.5160	2.55000	-2.40000
1193	43.5160	2.55000	-1.90250
1194	42.5160	2.55000	-1.40500
1195	42.5160	2.55000	-1.90250
1196	43.5160	2.55000	-1.20500
1197	42.5160	2.55000	-1.00500
1198	42.5160	2.55000	-1.20500
1199	7.05500	9.10000	-1.40500
1200	7.05500	9.10000	-2.40000
1201	7.05500	9.10000	-1.90250
1202	8.05500	9.10000	-1.40500
1203	8.05500	9.10000	-1.90250
1204	7.05500	9.10000	-1.20500
1205	8.05500	9.10000	-1.00500
1206	8.05500	9.10000	-1.20500
1207	10.9300	9.10000	-1.40500
1208	10.9300	9.10000	-2.40000
1209	10.9300	9.10000	-1.90250
1210	11.9300	9.10000	-1.40500
1211	11.9300	9.10000	-1.90250
1212	10.9300	9.10000	-1.20500
1213	11.9300	9.10000	-1.00500
1214	11.9300	9.10000	-1.20500
1215	14.8050	9.10000	-1.40500
1216	14.8050	9.10000	-2.40000
1217	14.8050	9.10000	-1.90250
1218	15.8050	9.10000	-1.40500
1219	15.8050	9.10000	-1.90250
1220	14.8050	9.10000	-1.20500

1221	15.8050	9.10000	-1.00500
1222	15.8050	9.10000	-1.20500
1223	18.6800	9.10000	-1.40500
1224	18.6800	9.10000	-2.40000
1225	18.6800	9.10000	-1.90250
1226	19.6800	9.10000	-1.40500
1227	19.6800	9.10000	-1.90250
1228	18.6800	9.10000	-1.20500
1229	19.6800	9.10000	-1.00500
1230	19.6800	9.10000	-1.20500
1231	22.5550	9.10000	-1.40500
1232	22.5550	9.10000	-2.40000
1233	22.5550	9.10000	-1.90250
1234	23.5550	9.10000	-1.40500
1235	23.5550	9.10000	-1.90250
1236	22.5550	9.10000	-1.20500
1237	23.5550	9.10000	-1.00500
1238	23.5550	9.10000	-1.20500
1239	26.4300	9.10000	-1.40500
1240	26.4300	9.10000	-2.40000
1241	26.4300	9.10000	-1.90250
1242	27.4300	9.10000	-1.40500
1243	27.4300	9.10000	-1.90250
1244	26.4300	9.10000	-1.20500
1245	27.4300	9.10000	-1.00500
1246	27.4300	9.10000	-1.20500
1247	30.3050	9.10000	-1.40500
1248	30.3050	9.10000	-2.40000
1249	30.3050	9.10000	-1.90250
1250	31.3050	9.10000	-1.40500
1251	31.3050	9.10000	-1.90250
1252	30.3050	9.10000	-1.20500
1253	31.3050	9.10000	-1.00500
1254	31.3050	9.10000	-1.20500
1255	34.1800	9.10000	-1.40500
1256	34.1800	9.10000	-2.40000
1257	34.1800	9.10000	-1.90250
1258	35.1800	9.10000	-1.40500
1259	35.1800	9.10000	-1.90250
1260	34.1800	9.10000	-1.20500
1261	35.1800	9.10000	-1.00500
1262	35.1800	9.10000	-1.20500
1263	38.0550	9.10000	-1.40500
1264	38.0550	9.10000	-2.40000
1265	38.0550	9.10000	-1.90250
1266	39.0550	9.10000	-1.40500
1267	39.0550	9.10000	-1.90250
1268	38.0550	9.10000	-1.20500
1269	39.0550	9.10000	-1.00500
1270	39.0550	9.10000	-1.20500
1271	41.9300	9.10000	-1.40500
1272	41.9300	9.10000	-2.40000
1273	41.9300	9.10000	-1.90250
1274	42.9300	9.10000	-1.40500
1275	42.9300	9.10000	-1.90250
1276	41.9300	9.10000	-1.20500
1277	42.9300	9.10000	-1.00500
1278	42.9300	9.10000	-1.20500
1279	45.8050	9.10000	-1.40500
1280	45.8050	9.10000	-2.40000
1281	45.8050	9.10000	-1.90250
1282	46.8050	9.10000	-1.40500
1283	46.8050	9.10000	-1.90250
1284	45.8050	9.10000	-1.20500
1285	46.8050	9.10000	-1.00500
1286	46.8050	9.10000	-1.20500
1287	0.891000	2.55000	-1.45000
1288	0.891000	2.55000	-2.40000
1289	0.891000	2.55000	-1.92500
1290	-0.109000	2.55000	-1.45000
1291	-0.109000	2.55000	-1.92500
1292	0.891000	2.55000	-1.22500
1293	-0.109000	2.55000	-1.00000
1294	-0.109000	2.55000	-1.22500
1295	3.18000	9.10000	-1.45000
1296	3.18000	9.10000	-2.40000
1297	3.18000	9.10000	-1.92500
1298	4.18000	9.10000	-1.45000
1299	4.18000	9.10000	-1.92500
1300	3.18000	9.10000	-1.22500
1301	4.18000	9.10000	-1.00000
1302	4.18000	9.10000	-1.22500
1303	47.3910	2.55000	-1.45000
1304	47.3910	2.55000	-2.40000
1305	47.3910	2.55000	-1.92500
1306	46.3910	2.55000	-1.45000
1307	46.3910	2.55000	-1.92500
1308	47.3910	2.55000	-1.22500
1309	46.3910	2.55000	-1.00000
1310	46.3910	2.55000	-1.22500
1311	49.6800	9.10000	-1.45000
1312	49.6800	9.10000	-2.40000
1313	49.6800	9.10000	-1.92500
1314	50.6800	9.10000	-1.45000
1315	50.6800	9.10000	-1.92500
1316	49.6800	9.10000	-1.22500
1317	50.6800	9.10000	-1.00000
1318	50.6800	9.10000	-1.22500



1319	0.891000	2.55000	-2.40000
1320	0.891000	2.55000	-3.20000
1321	1.22079	3.49405	-2.40000
1322	47.3910	2.55000	-2.40000
1323	47.3910	2.55000	-3.20000
1324	47.7208	3.49405	-2.40000
1325	3.18000	9.10000	-2.40000
1326	3.18000	9.10000	-3.20000
1327	3.50979	10.0441	-2.40000
1328	49.6800	9.10000	-2.40000
1329	49.6800	9.10000	-3.20000
1330	50.0098	10.0441	-2.40000
1331	0.469075	12.2689	-8.90000
1332	0.469075	12.2689	-6.90000
1333	0.154420	11.3197	-8.90000
1334	1.57598	6.46984	-6.90000
1335	1.57598	6.46984	-3.20000
1336	1.57598	6.46984	-6.37143
1337	1.57598	6.46984	-5.84286
1338	1.57598	6.46984	-5.31429
1339	1.57598	6.46984	-4.78571
1340	1.57598	6.46984	-4.25714
1341	1.57598	6.46984	-3.72857
1342	1.26132	5.52064	-6.90000
1343	1.26132	5.52064	-6.37143
1344	1.26132	5.52064	-5.84286
1345	1.26132	5.52064	-5.31429
1346	1.26132	5.52064	-4.78571
1347	1.26132	5.52064	-4.25714
1348	1.26132	5.52064	-3.72857
1349	1.57498	6.46984	0.600000
1350	1.57585	6.46984	-2.72500
1351	1.57573	6.46984	-2.25000
1352	1.57560	6.46984	-1.77500
1353	1.57548	6.46984	-1.30000
1354	1.57535	6.46984	-0.825000
1355	1.57523	6.46984	-0.350000
1356	1.57510	6.46984	0.125000
1357	1.26132	5.52064	-3.20008
1358	1.26120	5.52064	-2.72508
1359	1.26107	5.52064	-2.25008
1360	1.26095	5.52064	-1.77508
1361	1.26082	5.52064	-1.30008
1362	1.26070	5.52064	-0.825083
1363	1.26057	5.52064	-0.350083
1364	1.26045	5.52064	0.124917
1365	5.41889	18.0655	-6.90000
1366	5.41889	18.0655	-3.20000
1367	5.41889	18.0655	-6.37143
1368	5.41889	18.0655	-5.84286
1369	5.41889	18.0655	-5.31429
1370	5.41889	18.0655	-4.78571
1371	5.41889	18.0655	-4.25714
1372	5.41889	18.0655	-3.72857
1373	5.10423	17.1163	-6.90000
1374	5.10423	17.1163	-6.37143
1375	5.10423	17.1163	-5.84286
1376	5.10423	17.1163	-5.31429
1377	5.10423	17.1163	-4.78571
1378	5.10423	17.1163	-4.25714
1379	5.10423	17.1163	-3.72857
1380	5.41789	18.0655	0.600000
1381	5.41876	18.0655	-2.72500
1382	5.41864	18.0655	-2.25000
1383	5.41851	18.0655	-1.77500
1384	5.41839	18.0655	-1.30000
1385	5.41826	18.0655	-0.825000
1386	5.41814	18.0655	-0.350000
1387	5.41801	18.0655	0.125000
1388	5.10424	17.1163	-3.20008
1389	5.10412	17.1163	-2.72508
1390	5.10399	17.1163	-2.25008
1391	5.10387	17.1163	-1.77508
1392	5.10374	17.1163	-1.30008
1393	5.10362	17.1163	-0.825083
1394	5.10349	17.1163	-0.350083
1395	5.10337	17.1163	0.124917
1396	1.57598	6.46984	-8.90000
1397	1.57598	6.46984	-8.40000
1398	1.57598	6.46984	-7.90000
1399	1.57598	6.46984	-7.40000
1400	1.24619	5.52579	-8.90000
1401	1.24619	5.52579	-8.40000
1402	1.24619	5.52579	-7.90000
1403	1.24619	5.52579	-7.40000
1404	5.41889	18.0655	-8.90000
1405	5.41889	18.0655	-8.40000
1406	5.41889	18.0655	-7.90000
1407	5.41889	18.0655	-7.40000
1408	5.08910	17.1214	-8.90000
1409	5.08910	17.1214	-8.40000
1410	5.08910	17.1214	-7.90000
1411	5.08910	17.1214	-7.40000
1412	2.03550	5.82500	-3.20000
1413	48.5355	5.82500	-3.20000
1414	2.03550	5.82500	-3.20000
1415	48.5355	5.82500	-3.20000
1416	6.30657	18.6936	-3.20000

1417	-1.19156	12.2647	-3.15000
1418	-0.191563	12.2647	-3.15000
1419	-1.19156	13.2647	-3.15000
1420	0.469075	12.2689	-8.90000
1421	2.03550	5.82500	-3.20000
1422	2.03550	5.82500	0.00000E+00
1423	48.5355	5.82500	0.00000E+00
1424	6.30657	18.6936	-3.20000
1425	2.03550	5.82500	-3.20000
1426	1.89100	2.55000	-2.40000
1427	0.891000	3.55000	-2.40000
1428	4.18000	9.10000	-2.40000
1429	3.18000	10.1000	-2.40000
1430	46.3910	2.55000	-2.40000
1431	47.3910	1.55000	-2.40000
1432	48.6800	9.10000	-2.40000
1433	49.6800	8.10000	-2.40000
1434	3.03550	5.82500	-3.20000
1435	2.03550	6.82500	-3.20000
1436	49.5355	5.82500	-3.20000
1437	48.5355	6.82500	-3.20000
1438	7.30657	18.6936	-3.20000
1439	6.30657	19.6936	-3.20000
1440	1.41828	11.9543	-8.90000
1441	0.783730	13.2181	-8.90000
1442	3.03550	5.82500	-3.20000
1443	2.03550	6.82500	-3.20000
1444	2.98471	5.51034	0.00000E+00
1445	2.35016	6.77421	0.00000E+00
1446	47.5863	6.13966	0.00000E+00
1447	48.2208	4.87579	0.00000E+00

TOTAL NUMBER OF NODES = 1447  
LARGEST NODE NUMBER = 1447  
DATA STORAGE LOCATIONS USED = 10129

G E O M E T R I C P R O P E R T I E S

C1\_F1  
PROPERTY

BMI21 ELEMENTS								
1	1ST NODE	AREA =0.1085	IYY =0.1034	IZZ =0.4325E-02	KT =0.2541E-04	ASZ =0.5148E-01		
		ASY =0.5700E-01	EZ =1.233	EY =0.0000E+00	IYZ =0.0000E+00			
	2ND NODE	AREA =0.1085	IYY =0.1034	IZZ =0.4325E-02	KT =0.2541E-04	ASZ =0.5148E-01		
		ASY =0.5700E-01	EZ =1.233	EY =0.0000E+00	IYZ =0.0000E+00			

G E O M E T R I C P R O P E R T I E S

C2\_F1  
PROPERTY

BMI21 ELEMENTS								
2	1ST NODE	AREA =0.1469	IYY =0.1516	IZZ =0.7848E-02	KT =0.1169E-03	ASZ =0.4590E-01		
		ASY =0.1010	EZ =1.424	EY =0.0000E+00	IYZ =0.0000E+00			
	2ND NODE	AREA =0.1469	IYY =0.1516	IZZ =0.7848E-02	KT =0.1169E-03	ASZ =0.4590E-01		
		ASY =0.1010	EZ =1.424	EY =0.0000E+00	IYZ =0.0000E+00			

G E O M E T R I C P R O P E R T I E S

C3\_F1  
PROPERTY

BMI21 ELEMENTS								
3	1ST NODE	AREA =0.1610	IYY =0.1741	IZZ =0.9289E-02	KT =0.1825E-03	ASZ =0.4095E-01		
		ASY =0.1200	EZ =1.410	EY =0.0000E+00	IYZ =0.0000E+00			
	2ND NODE	AREA =0.1610	IYY =0.1741	IZZ =0.9289E-02	KT =0.1825E-03	ASZ =0.4095E-01		
		ASY =0.1200	EZ =1.410	EY =0.0000E+00	IYZ =0.0000E+00			

G E O M E T R I C P R O P E R T I E S

plinto (sz\_plinto Mirror y-y)  
PROPERTY

BMI21 ELEMENTS								
4	1ST NODE	AREA =257.6	IYY =1897.	IZZ =0.1632E+05	KT =5900.	ASZ =211.5		
		ASY =215.9	EZ =0.0000E+00	EY =0.0000E+00	IYZ =-628.5			

2ND NODE	AREA =257.6	IYY =1897.	IZZ =0.1632E+05	KT =5900.	ASZ =211.5
	ASY =215.9	EZ =0.0000E+00	EY =0.0000E+00	IYZ =-628.5	

G E O M E T R I C P R O P E R T I E S

paramento (RSS D=2.65 B=12.215)  
PROPERTY

BMI21 ELEMENTS							
5	1ST NODE	AREA =32.37	IYY =18.94	IZZ =402.5	KT =65.42	ASZ =26.99	
		ASY =26.98	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		
	2ND NODE	AREA =32.37	IYY =18.94	IZZ =402.5	KT =65.42	ASZ =26.99	
		ASY =26.98	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Traversi\_campata (HE 800 A)  
PROPERTY

BMI21 ELEMENTS							
6	1ST NODE	AREA =0.2858E-01	IYY =0.3034E-02	IZZ =0.1264E-03	KT =0.6186E-05	ASZ =0.1160E-01	
		ASY =0.1520E-01	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		
	2ND NODE	AREA =0.2858E-01	IYY =0.3034E-02	IZZ =0.1264E-03	KT =0.6186E-05	ASZ =0.1160E-01	
		ASY =0.1520E-01	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Traversi\_appoggio (I D=0.9 B=0.3 tf=0.04 tw=0.03 r=0)  
PROPERTY

BMI21 ELEMENTS							
7	1ST NODE	AREA =0.4860E-01	IYY =0.5819E-02	IZZ =0.1818E-03	KT =0.1991E-04	ASZ =0.2532E-01	
		ASY =0.2087E-01	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		
	2ND NODE	AREA =0.4860E-01	IYY =0.5819E-02	IZZ =0.1818E-03	KT =0.1991E-04	ASZ =0.2532E-01	
		ASY =0.2087E-01	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_appoggi  
PROPERTY

BMI21 ELEMENTS							
8	1ST NODE	AREA =0.6516E-01	IYY =0.6144E-02	IZZ =100.0	KT =0.2287E-04	ASZ =0.2669E-01	
		ASY =0.2588E-01	EZ =-0.2200	EY =0.8000E-01	IYZ =-0.1839E-02		
	2ND NODE	AREA =0.6516E-01	IYY =0.6144E-02	IZZ =100.0	KT =0.2287E-04	ASZ =0.2669E-01	
		ASY =0.2588E-01	EZ =-0.2200	EY =0.8000E-01	IYZ =-0.1839E-02		

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_campata (irrigidente campata)  
PROPERTY

BMI21 ELEMENTS							
9	1ST NODE	AREA =0.1628E-01	IYY =0.1684E-03	IZZ =0.1745E-03	KT =0.1920E-05	ASZ =0.3892E-02	
		ASY =0.8105E-02	EZ =-0.8500E-01	EY =0.3000E-01	IYZ =-0.5282E-04		
	2ND NODE	AREA =0.1628E-01	IYY =0.1684E-03	IZZ =0.1745E-03	KT =0.1920E-05	ASZ =0.3892E-02	
		ASY =0.8105E-02	EZ =-0.8500E-01	EY =0.3000E-01	IYZ =-0.5282E-04		

G E O M E T R I C P R O P E R T I E S

paraghiaia (RSS D=0.55 B=12.215)  
PROPERTY

BMI21 ELEMENTS							
10	1ST NODE	AREA =6.718	IYY =0.1694	IZZ =83.53	KT =0.6582	ASZ =5.610	
		ASY =5.599	EZ =1.050	EY =0.0000E+00	IYZ =0.0000E+00		
	2ND NODE	AREA =6.718	IYY =0.1694	IZZ =83.53	KT =0.6582	ASZ =5.610	
		ASY =5.599	EZ =1.050	EY =0.0000E+00	IYZ =0.0000E+00		

G E O M E T R I C P R O P E R T I E S

rigida  
PROPERTY

BMI21		ELEMENTS									
11	1ST NODE	AREA	=10.00	IYY	=100.0	IZZ	=100.0	KT	=100.0	ASZ	=0.1000E+05
		ASY	=0.1000E+05	EZ	=0.0000E+00	EY	=0.0000E+00	IYZ	=0.0000E+00		
	2ND NODE	AREA	=10.00	IYY	=100.0	IZZ	=100.0	KT	=100.0	ASZ	=0.1000E+05
		ASY	=0.1000E+05	EZ	=0.0000E+00	EY	=0.0000E+00	IYZ	=0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Baggioli (RSS D=1.2 B=1.2)  
PROPERTY

BMI21		ELEMENTS									
12	1ST NODE	AREA	=1.440	IYY	=0.1728	IZZ	=0.1728	KT	=0.2915	ASZ	=1.200
		ASY	=1.200	EZ	=0.0000E+00	EY	=0.0000E+00	IYZ	=0.0000E+00		
	2ND NODE	AREA	=1.440	IYY	=0.1728	IZZ	=0.1728	KT	=0.2915	ASZ	=1.200
		ASY	=1.200	EZ	=0.0000E+00	EY	=0.0000E+00	IYZ	=0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Soletta\_sp\_0.3  
PROPERTY

QTS4		ELEMENTS								
14	EZ	= -0.1500	T1	= 0.3000	T2	= 0.3000	T3	= 0.3000	T4	= 0.3000

G E O M E T R I C P R O P E R T I E S

Ecc0  
PROPERTY

JSH4		ELEMENTS	
13	ECCENTRICITY	=	0.0000E+00
DATA STORAGE LOCATIONS USED		=	678

G E O M E T R I C A S S I G N M E N T S

FIRST ELEMENT	LAST ELEMENT	DIFF-ERENCE	GEOMETRIC SET	LUSASM ID NO.
1	48	1	14	14
49	52	1	1	1
53	60	1	14	14
61	63	1	1	1
64	69	1	14	14
70	0	0	2	2
71	72	1	14	14
73	76	1	2	2
77	84	1	14	14
85	88	1	2	2
89	96	1	14	14
97	98	1	2	2
99	102	1	14	14
103	104	1	3	3
105	108	1	14	14
109	112	1	3	3
113	120	1	14	14
121	124	1	3	3
125	132	1	14	14
133	134	1	3	3
135	138	1	14	14
139	140	1	2	2
141	144	1	14	14
145	148	1	2	2
149	156	1	14	14
157	160	1	2	2

161	168	1	14	14
169	0	0	2	2
170	171	1	14	14
172	174	1	1	1
175	180	1	14	14
181	184	1	1	1
185	192	1	14	14
193	196	1	1	1
197	204	1	14	14
205	207	1	1	1
208	213	1	14	14
214	0	0	2	2
215	216	1	14	14
217	220	1	2	2
221	228	1	14	14
229	232	1	2	2
233	240	1	14	14
241	242	1	2	2
243	246	1	14	14
247	248	1	3	3
249	252	1	14	14
253	256	1	3	3
257	264	1	14	14
265	268	1	3	3
269	276	1	14	14
277	278	1	3	3
279	282	1	14	14
283	284	1	2	2
285	288	1	14	14
289	292	1	2	2
293	300	1	14	14
301	304	1	2	2
305	312	1	14	14
313	0	0	2	2
314	315	1	14	14
316	318	1	1	1
319	324	1	14	14
325	328	1	1	1
329	672	1	14	14
673	674	1	8	8
675	696	1	9	9
697	700	1	8	8
701	722	1	9	9
723	732	1	8	8
733	776	1	9	9
777	790	1	7	7
791	867	1	6	6
868	955	1	9	9
956	971	1	8	8
972	975	1	12	13
976	0	0	4	4
977	983	1	5	5
984	991	1	10	10
992	998	1	5	5
999	1006	1	10	10
1007	1014	1	11	11
1016	1026	1	13	15

TOTAL NUMBER OF GEOMETRIC ASSIGNMENT SETS = 83  
 TOTAL NUMBER OF ELEMENTS = 1025  
 LARGEST ELEMENT NUMBER = 1026  
 LARGEST GEOMETRIC ASSIGNMENT SET NUMBER = 14  
 DATA STORAGE LOCATIONS USED = 3075

J O I N T P R O P E R T I E S

MATERIAL

giunti  
 8 KX = 1.000 KY = 1.000 KZ = 1.000 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Isolatori\_spalle  
 9 KX = 0.2230E+07 KY = 0.2230E+07 KZ = 0.2186E+10 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Incastro  
10 KX = 0.1000E+16 KY = 0.1000E+16 KZ = 0.1000E+16 KTX = 0.1000E+16 KTY = 0.1000E+16 KTZ = 0.1000E+16

M A T E R I A L P R O P E R T I E S M A S S

MATERIAL

Massa\_nulla  
15 MX = 0.0000E+00 MY = 0.0000E+00 MZ = 0.0000E+00

M A T E R I A L P R O P E R T I E S M A S S

MATERIAL

Massa\_terreno\_SP1  
11 MX = 0.2213E+07 MY = 0.2213E+07 MZ = 0.2213E+07

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel (elastic)  
1 E = 0.2100E+12 NU = 0.3000 RHO = 7850. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3 (elastic)  
2 E = 0.3364E+11 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle (elastic)  
3 E = 0.1000E+16 NU = 0.2000 RHO = 2500. ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle\_nomassa (elastic)  
4 E = 0.1000E+16 NU = 0.2000 RHO = 0.0000E+00 ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle\_nomassa (elastic)  
14 E = 0.1000E+16 NU = 0.2000 RHO = 0.0000E+00 ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel\_rho=0 (elastic)

5 E = 0.2100E+12 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Rigid\_rho=0 (elastic)

6 E = 0.2100E+15 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3\_Rigid (elastic)

7 E = 0.3364E+14 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

DATA STORAGE LOCATIONS USED = 530

M A T E R I A L A S S I G N M E N T S

SM EARED_REINFORCEMENT SET	FIRST ELEMENT	LAST ELEMENT	DIFF- ERENCE	MATERIAL SET	NSET	STRESS PLASTIC	POTENTIAL DATA SET	CREEP SET	DAMAGE SET	LusasM ID NO.	VISCOELASTIC SET	TWO PHASE MATERIAL SET	SHRINKAGE SET	KO SET
0		1	48	1	2	0	0	0	0	5	0	0	0	0
0		49	52	1	1	0	0	0	0	1	0	0	0	0
0		53	60	1	2	0	0	0	0	5	0	0	0	0
0		61	63	1	1	0	0	0	0	1	0	0	0	0
0		64	69	1	2	0	0	0	0	5	0	0	0	0
0		70	0	0	1	0	0	0	0	1	0	0	0	0
0		71	72	1	2	0	0	0	0	5	0	0	0	0
0		73	76	1	1	0	0	0	0	1	0	0	0	0
0		77	84	1	2	0	0	0	0	5	0	0	0	0
0		85	88	1	1	0	0	0	0	1	0	0	0	0
0		89	96	1	2	0	0	0	0	5	0	0	0	0
0		97	98	1	1	0	0	0	0	1	0	0	0	0
0		99	102	1	2	0	0	0	0	5	0	0	0	0
0		103	104	1	1	0	0	0	0	1	0	0	0	0
0		105	108	1	2	0	0	0	0	5	0	0	0	0
0		109	112	1	1	0	0	0	0	1	0	0	0	0
0		113	120	1	2	0	0	0	0	5	0	0	0	0
0		121	124	1	1	0	0	0	0	1	0	0	0	0
0		125	132	1	2	0	0	0	0	5	0	0	0	0
0		133	134	1	1	0	0	0	0	1	0	0	0	0
0		135	138	1	2	0	0	0	0	5	0	0	0	0
0		139	140	1	1	0	0	0	0	1	0	0	0	0
0		141	144	1	2	0	0	0	0	5	0	0	0	0
0		145	148	1	1	0	0	0	0	1	0	0	0	0
0		149	156	1	2	0	0	0	0	5	0	0	0	0
0		157	160	1	1	0	0	0	0	1	0	0	0	0

0	161	168	1	2	0	0	0	0	5	0	0	0	0
0	169	0	0	1	0	0	0	0	1	0	0	0	0
0	170	171	1	2	0	0	0	0	5	0	0	0	0
0	172	174	1	1	0	0	0	0	1	0	0	0	0
0	175	180	1	2	0	0	0	0	5	0	0	0	0
0	181	184	1	1	0	0	0	0	1	0	0	0	0
0	185	192	1	2	0	0	0	0	5	0	0	0	0
0	193	196	1	1	0	0	0	0	1	0	0	0	0
0	197	204	1	2	0	0	0	0	5	0	0	0	0
0	205	207	1	1	0	0	0	0	1	0	0	0	0
0	208	213	1	2	0	0	0	0	5	0	0	0	0
0	214	0	0	1	0	0	0	0	1	0	0	0	0
0	215	216	1	2	0	0	0	0	5	0	0	0	0
0	217	220	1	1	0	0	0	0	1	0	0	0	0
0	221	228	1	2	0	0	0	0	5	0	0	0	0
0	229	232	1	1	0	0	0	0	1	0	0	0	0
0	233	240	1	2	0	0	0	0	5	0	0	0	0
0	241	242	1	1	0	0	0	0	1	0	0	0	0
0	243	246	1	2	0	0	0	0	5	0	0	0	0
0	247	248	1	1	0	0	0	0	1	0	0	0	0
0	249	252	1	2	0	0	0	0	5	0	0	0	0
0	253	256	1	1	0	0	0	0	1	0	0	0	0
0	257	264	1	2	0	0	0	0	5	0	0	0	0
0	265	268	1	1	0	0	0	0	1	0	0	0	0
0	269	276	1	2	0	0	0	0	5	0	0	0	0
0	277	278	1	1	0	0	0	0	1	0	0	0	0
0	279	282	1	2	0	0	0	0	5	0	0	0	0
0	283	284	1	1	0	0	0	0	1	0	0	0	0
0	285	288	1	2	0	0	0	0	5	0	0	0	0
0	289	292	1	1	0	0	0	0	1	0	0	0	0
0	293	300	1	2	0	0	0	0	5	0	0	0	0
0	301	304	1	1	0	0	0	0	1	0	0	0	0
0	305	312	1	2	0	0	0	0	5	0	0	0	0
0	313	0	0	1	0	0	0	0	1	0	0	0	0
0	314	315	1	2	0	0	0	0	5	0	0	0	0
0	316	318	1	1	0	0	0	0	1	0	0	0	0
0	319	324	1	2	0	0	0	0	5	0	0	0	0
0	325	328	1	1	0	0	0	0	1	0	0	0	0
0	329	672	1	2	0	0	0	0	5	0	0	0	0
0	673	674	1	6	0	0	0	0	14	0	0	0	0
0	675	696	1	5	0	0	0	0	13	0	0	0	0
0	697	700	1	6	0	0	0	0	14	0	0	0	0
0	701	722	1	5	0	0	0	0	13	0	0	0	0
0	723	776	1	6	0	0	0	0	14	0	0	0	0
0	777	867	1	1	0	0	0	0	1	0	0	0	0
0	868	869	1	5	0	0	0	0	13	0	0	0	0
0	870	871	1	6	0	0	0	0	14	0	0	0	0
0	872	873	1	5	0	0	0	0	13	0	0	0	0
0	874	875	1	6	0	0	0	0	14	0	0	0	0



0	876	877	1	5	0	0	0	0	13	0	0	0	0
0	878	879	1	6	0	0	0	0	14	0	0	0	0
0	880	881	1	5	0	0	0	0	13	0	0	0	0
0	882	883	1	6	0	0	0	0	14	0	0	0	0
0	884	885	1	5	0	0	0	0	13	0	0	0	0
0	886	887	1	6	0	0	0	0	14	0	0	0	0
0	888	889	1	5	0	0	0	0	13	0	0	0	0
0	890	891	1	6	0	0	0	0	14	0	0	0	0
0	892	893	1	5	0	0	0	0	13	0	0	0	0
0	894	895	1	6	0	0	0	0	14	0	0	0	0
0	896	897	1	5	0	0	0	0	13	0	0	0	0
0	898	899	1	6	0	0	0	0	14	0	0	0	0
0	900	901	1	5	0	0	0	0	13	0	0	0	0
0	902	903	1	6	0	0	0	0	14	0	0	0	0
0	904	905	1	5	0	0	0	0	13	0	0	0	0
0	906	907	1	6	0	0	0	0	14	0	0	0	0
0	908	909	1	5	0	0	0	0	13	0	0	0	0
0	910	911	1	6	0	0	0	0	14	0	0	0	0
0	912	913	1	5	0	0	0	0	13	0	0	0	0
0	914	915	1	6	0	0	0	0	14	0	0	0	0
0	916	917	1	5	0	0	0	0	13	0	0	0	0
0	918	919	1	6	0	0	0	0	14	0	0	0	0
0	920	921	1	5	0	0	0	0	13	0	0	0	0
0	922	923	1	6	0	0	0	0	14	0	0	0	0
0	924	925	1	5	0	0	0	0	13	0	0	0	0
0	926	927	1	6	0	0	0	0	14	0	0	0	0
0	928	929	1	5	0	0	0	0	13	0	0	0	0
0	930	931	1	6	0	0	0	0	14	0	0	0	0
0	932	933	1	5	0	0	0	0	13	0	0	0	0
0	934	935	1	6	0	0	0	0	14	0	0	0	0
0	936	937	1	5	0	0	0	0	13	0	0	0	0
0	938	939	1	6	0	0	0	0	14	0	0	0	0
0	940	941	1	5	0	0	0	0	13	0	0	0	0
0	942	943	1	6	0	0	0	0	14	0	0	0	0
0	944	945	1	5	0	0	0	0	13	0	0	0	0
0	946	947	1	6	0	0	0	0	14	0	0	0	0
0	948	949	1	5	0	0	0	0	13	0	0	0	0
0	950	951	1	6	0	0	0	0	14	0	0	0	0
0	952	953	1	5	0	0	0	0	13	0	0	0	0
0	954	971	1	6	0	0	0	0	14	0	0	0	0
0	972	975	1	7	0	0	0	0	19	0	0	0	0
0	976	1006	1	14	0	0	0	0	8	0	0	0	0
0	1007	1014	1	4	0	0	0	0	8	0	0	0	0
0	1015	0	0	15	0	0	0	0	6	0	0	0	0
0	1016	1019	1	9	0	0	0	0	16	0	0	0	0
0	1020	1024	1	10	0	0	0	0	17	0	0	0	0
0	1025	1026	1	8	0	0	0	0	9	0	0	0	0

TOTAL NUMBER OF MATERIAL ASSIGNMENT SETS = 122

F R E E D O M T E M P L A T E

COLM.  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21  
 U V W THX THY THZ

C O N S T R A I N T E Q U A T I O N S

EQUATION 1 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1332 0 0 THX -1.00000  
 1365 0 0 THX 1.00000  
 TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1332 0 0 THY -1.00000  
 1365 0 0 THY 1.00000  
 TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1332 0 0 THZ -1.00000  
 1365 0 0 THZ 1.00000  
 TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1332 0 0 U -0.172516  
 1332 0 0 THZ 1.00000  
 1365 0 0 U 0.172516  
 TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1332 0 0 V -0.202028  
 1332 0 0 THZ -1.00000  
 1365 0 0 V 0.202028  
 TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1332 0 0 W -0.172516  
 1332 0 0 THX -1.00000  
 1332 0 0 THY 0.853922  
 1365 0 0 W 0.172516  
 TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 2 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1335 0 0 THX 1.00000  
 1421 0 0 THX -1.00000  
 TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1335 0 0 THY 1.00000  
 1421 0 0 THY -1.00000  
 TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.000000E+00  
 FIRST LAST DIFF FREEDOM COEFFICIENT  
 NODE NODE RNCE TYPE  
 1335 0 0 THZ 1.00000  
 1421 0 0 THZ -1.00000  
 TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	U	1.00000
1421	0	0	U	-1.00000
1421	0	0	THZ	0.644845

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	V	1.00000
1421	0	0	V	-1.00000
1421	0	0	THZ	0.459523

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1335	0	0	W	1.00000
1421	0	0	W	-1.00000
1421	0	0	THX	-0.644845
1421	0	0	THY	-0.459523

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THX	-1.00000
1416	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THY	-1.00000
1416	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	THZ	-1.00000
1416	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	U	-1.00000
1366	0	0	THZ	0.628174
1416	0	0	U	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	V	-1.00000
1366	0	0	THZ	-0.887682
1416	0	0	V	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1366	0	0	W	-1.00000
1366	0	0	THX	-0.628174
1366	0	0	THY	0.887682
1416	0	0	W	1.00000

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1334	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1334	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1334	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172442
1332	0	0	THZ	-1.00000
1334	0	0	U	0.172442

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.903422
1332	0	0	THZ	-1.00000
1334	0	0	V	0.903422

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172442
1332	0	0	THX	1.00000
1332	0	0	THY	0.190876
1334	0	0	W	0.172442

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1326	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1320	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1320	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1326	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1326	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1320	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	1.00000
1414	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1326	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	-1.00000
1414	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1323	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1323	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1323	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	1.00000
1415	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	-1.00000
1415	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.266667
1332	0	0	THY	-1.00000
1332	0	0	THZ	-0.112423E-02
1417	0	0	U	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.266667
1332	0	0	THX	1.00000
1332	0	0	THZ	0.442837
1417	0	0	V	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.602178
1332	0	0	THX	0.253870E-02
1332	0	0	THY	-1.00000
1417	0	0	W	0.602178

TOTAL NUMBER OF COEFFICIENTS = 4

TOTAL NUMBER OF CONSTRAINT EQUATIONS = 51  
 MAXIMUM NUMBER OF COEFFICIENTS PER EQUATION = 4  
 LARGEST NODE NUMBER ENCOUNTERED = 1421  
 DATA STORAGE LOCATIONS USED = 487

S U P P O R T N O D E S

F = FREE  
 R = RESTRAINED OR RESTRAINED WITH PRESCRIBED DISPLACEMENT  
 S = SPRING

FIRST NODE	LAST NODE	DIFF RNCE	SUPPORT CONDITION	SPRING	SUPPORT	SPRING	SUPPORT	SPRING	SUPPORT	SPRING	SUPPORT	SPRING	SUPPORT	SPRING	SUPPORT
				OR PRESCRIBED VALUE	CONSTANT	OR PRESCRIBED VALUE	CONSTANT	OR PRESCRIBED VALUE	CONSTANT	OR PRESCRIBED VALUE	CONSTANT	OR PRESCRIBED VALUE	CONSTANT	OR PRESCRIBED VALUE	CONSTANT
1412	1413	1	R R R R R R R	0.00000E+00	FREEDOM U	0.00000E+00	FREEDOM V	0.00000E+00	FREEDOM W	0.00000E+00	FREEDOM THX	0.00000E+00	FREEDOM THY	0.00000E+00	FREEDOM THZ
1420	1422	2	R R R R R R R	0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00	
1423	0	0	R R R R R R R	0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00	

TOTAL NUMBER OF SUPPORT NODES = 5  
 LARGEST NODE NUMBER = 1423  
 DATA STORAGE LOCATIONS USED = 168

L O A D C A S E 12

Mode

CONCENTRATED LOAD

FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
1	0	0	0.00000E+00	0.00000E+00	-2543.0	0.00000E+00	0.00000E+00	0.00000E+00
2	0	0	0.00000E+00	0.00000E+00	-5496.1	0.00000E+00	0.00000E+00	0.00000E+00
3	5	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
6	0	0	0.00000E+00	0.00000E+00	-2814.0	0.00000E+00	0.00000E+00	0.00000E+00
7	0	0	0.00000E+00	0.00000E+00	-1302.0	0.00000E+00	0.00000E+00	0.00000E+00
8	10	1	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
11	0	0	0.00000E+00	0.00000E+00	-4265.6	0.00000E+00	0.00000E+00	0.00000E+00
12	13	1	0.00000E+00	0.00000E+00	-5906.2	0.00000E+00	0.00000E+00	0.00000E+00
14	0	0	0.00000E+00	0.00000E+00	-2184.0	0.00000E+00	0.00000E+00	0.00000E+00
15	16	1	0.00000E+00	0.00000E+00	-3024.0	0.00000E+00	0.00000E+00	0.00000E+00
17	0	0	0.00000E+00	0.00000E+00	-3855.5	0.00000E+00	0.00000E+00	0.00000E+00
18	0	0	0.00000E+00	0.00000E+00	-1974.0	0.00000E+00	0.00000E+00	0.00000E+00
19	0	0	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
20	22	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
23	0	0	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
24	26	1	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
27	0	0	0.00000E+00	0.00000E+00	-4839.8	0.00000E+00	0.00000E+00	0.00000E+00
28	30	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
31	0	0	0.00000E+00	0.00000E+00	-2478.0	0.00000E+00	0.00000E+00	0.00000E+00
32	34	1	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
35	0	0	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
36	0	0	0.00000E+00	0.00000E+00	-4593.7	0.00000E+00	0.00000E+00	0.00000E+00
37	0	0	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
38	0	0	0.00000E+00	0.00000E+00	-2352.0	0.00000E+00	0.00000E+00	0.00000E+00
39	0	0	0.00000E+00	0.00000E+00	-5332.0	0.00000E+00	0.00000E+00	0.00000E+00
40	0	0	0.00000E+00	0.00000E+00	-5578.1	0.00000E+00	0.00000E+00	0.00000E+00
41	0	0	0.00000E+00	0.00000E+00	-2730.0	0.00000E+00	0.00000E+00	0.00000E+00
42	0	0	0.00000E+00	0.00000E+00	-2856.0	0.00000E+00	0.00000E+00	0.00000E+00
43	0	0	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
44	46	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
47	0	0	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
48	50	1	0.00000E+00	0.00000E+00	-2604.0	0.00000E+00	0.00000E+00	0.00000E+00
51	0	0	0.00000E+00	0.00000E+00	-5332.0	0.00000E+00	0.00000E+00	0.00000E+00
52	54	1	0.00000E+00	0.00000E+00	-5085.9	0.00000E+00	0.00000E+00	0.00000E+00
55	0	0	0.00000E+00	0.00000E+00	-2730.0	0.00000E+00	0.00000E+00	0.00000E+00











CBF LOAD INPUT

NUMBER OF VALUES = 9 START LOCATION = 1

FIRST ELEMENT	LAST ELEMENT	DIFF	VALUE 1	VALUE 2	VALUE 3	VALUE 4	VALUE 5	VALUE 6
972	975	1	0.000000E+00	0.000000E+00	-9.81000	0.000000E+00 0.000000E+00	0.000000E+00 0.000000E+00	0.000000E+00 0.000000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 4  
 LARGEST NODE OR ELEMENT NUMBER = 975

DATA STORAGE LOCATIONS USED = 3792

E L E M E N T O U T P U T

ELEMENTS WILL BE OUTPUT IN ASCENDING ORDER

FIRST ELT	LAST ELT	DIFF RNCE	OUTPUT CONTROL	AVERAGED NODAL VALUES GROUP	NODAL FORCE OUTPUT GROUP	HISTORY CONTROL	PLOT FILE CONTROL
1	1026	1	0	0	0	0	0

TOTAL NUMBER OF ELEMENT OUTPUT SETS = 1  
 TOTAL NUMBER OF ELEMENTS OUTPUT = 1026  
 LARGEST ELEMENT NUMBER INPUT = 1026  
 LARGEST ELEMENT OUTPUT CONTROL NUMBER = 0

DATA STORAGE LOCATIONS USED = 4

N O D E O U T P U T

FIRST NODE	LAST NODE	DIFF RNCE	OUTPUT CONTROL	HISTORY CONTROL
1	1447	1	0	0

TOTAL NUMBER OF NODE OUTPUT SETS = 1  
 TOTAL NUMBER OF NODES OUTPUT = 0  
 LARGEST NODE NUMBER INPUT = 1447  
 LARGEST NODE OUTPUT CONTROL NUMBER = 0  
 LARGEST NODE HISTORY CONTROL NUMBER = 0

DATA STORAGE LOCATIONS USED = 0

E I G E N V A L U E C O N T R O L 12

Mode

D E F A U L T E I G E N S O L V E R C H O S E N

CONSTANTS

NUMBER OF REQUIRED EIGENVALUES AND EIGENVECTORS = 40  
 NUMBER OF ITERATION VECTORS USED = 48 (DEFAULT VALUE)  
 SHIFT OF ORIGIN APPLIED TO EXTRACTION PROCEDURE = 0.000000E+00 (DEFAULT VALUE)  
 NORMALISATION WITH RESPECT TO TOTAL MASS  
 STURM SEQUENCE CHECK  
 EIGEN-SOLUTION OBTAINED USING JACOBI ITERATION  
 SMALLEST EIGENVALUES REQUIRED

CONVERGENCE

CONVERGENCE TOLERANCE ON EIGENVALUES = 0.100000E-03  
 MAXIMUM NUMBER OF SUBSPACE ITERATIONS PERMITTED = 30

S U M M A R Y O F D A T A

TOTAL NUMBER OF ELEMENTS = 1026  
 TOTAL NUMBER OF CONSTRAINTS = 51  
 TOTAL NUMBER OF NODES = 1447  
 TOTAL NUMBER OF SUPPORT NODES = 5  
 TOTAL NUMBER OF LOADING CASES = 1

LOCATIONS USED DURING DATA PROCESSING = 78682046  
 LOCATIONS AVAILABLE = 98304000

TIME USED TO PROCESS INPUT DATA = 0.50800 SEC.  
 TIME AT CENTRAL PROCESSOR = 10:59:32 ON 14/05/21 (DAY/MTH/YR)

INITIAL ESTIMATE OF NUMBER OF EDGES IN STRUCTURE = 2178  
 INITIAL ESTIMATE OF NUMBER OF FACES IN STRUCTURE = 576

\*\*\*WARNING\*\*\* THE STANDARD FRONTAL SOLVER WILL BE USED AS DEFAULT IF  
 CONSTRAINT EQUATIONS ARE PRESENT - EXPLICITLY SPECIFYING  
 THE SOLVER TYPE WILL OVERRIDE (SOLTYP PROCESSOR)

DEFAULT EIGENSOLVER TYPE : SUBSPACE ITERATION EIGENSOLVER SELECTED (SOLTYP PROCESSOR)

\*\*\*WARNING\*\*\* VERTICAL COMPONENTS OF LOAD HAVE BEEN TRANSFORMED TO MASS  
 ANY LOAD COMPONENTS IN OTHER DIRECTIONS WILL BE IGNORED (PSEPRC PROCESSOR)

E S T I M A T E O F M O D E L G E O M E T R I C P R O P E R T I E S A N D L O A D I N G

MATERIAL SET	GEOMETRIC SUMMARY			ELEMENT MASS KG	CENTRE OF GRAVITY		
	LENGTH M	AREA sq M	VOLUME cu M		X-COORD M	Y-COORD M	Z-COORD M
2	0.000000E+00	532.425	159.728	563524.	25.0764	5.62499	0.167203E-12
1	183.200	0.000000E+00	15.7406	147862.	25.2022	5.81114	-0.152200
6	27.2001	0.000000E+00	0.912090	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
5	35.1999	0.000000E+00	0.573070	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
7	3.20000	0.000000E+00	4.60800	23040.0	25.2855	5.82500	-2.80000
14	17.0000	0.000000E+00	805.715	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
4	4.00000	0.000000E+00	40.0000	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
15	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
9	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
10	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
8	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
TOTALS FOR STRUCTURE	269.800	532.425	1027.28	734426.	25.1083	5.66874	-0.118483

MATERIAL SET	MOMENTS OF INERTIA ABOUT GLOBAL DIRECTIONS WITH ORIGIN AT (0,0,0)					
	Ixx KG M **2	Iyy KG M **2	Izz KG M **2	Ixy KG M **2	Iyz KG M **2	Ixz KG M **2
2	0.248793E+08	0.456854E+09	0.481733E+09	-0.819699E+08	-0.973955E-12	-0.311195E-11
1	0.644463E+07	0.119892E+09	0.126291E+09	-0.221550E+08	131089.	569040.
6	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
5	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
7	0.121320E+07	0.273998E+08	0.282444E+08	-0.347988E+07	375782.	0.163122E+07
14	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
4	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
15	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
9	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
10	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
8	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
TOTALS FOR STRUCTURE	0.325371E+08	0.604145E+09	0.636269E+09	-0.107605E+09	506872.	0.220026E+07

MATERIAL SET	MOMENTS OF INERTIA ABOUT GLOBAL DIRECTIONS WITH ORIGINS AT CENTROIDS					
	Ixx KG M **2	Iyy KG M **2	Izz KG M **2	Ixy KG M **2	Iyz KG M **2	Ixz KG M **2
2	0.704915E+07	0.102495E+09	0.109545E+09	-0.248239E+07	0.530000E-06	0.236276E-05
1	0.144801E+07	0.259740E+08	0.273837E+08	-500151.	311.878	1875.37
6	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
5	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
7	250805.	0.124884E+08	0.127319E+08	-86359.4	0.000000E+00	0.232831E-09
14	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
4	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
15	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
9	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
10	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
8	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
TOTALS FOR STRUCTURE	0.892635E+07	0.141134E+09	0.149667E+09	-0.307230E+07	13597.2	15420.6

MATERIAL SET	PRINCIPAL MOMENTS OF INERTIA ABOUT CENTROIDAL AXES									
	I 11			I 22			I 33			PRINCIPAL DIRECTIONS
	KG	M	**2	KG	M	**2	KG	M	**2	
2	0.109545E+09			0.102560E+09			0.698463E+07	( 0.00, 0.00, 1.00)	(-0.03, 1.00, -0.00)	( 1.00, 0.03, -0.00)
1	0.273837E+08			0.259842E+08			0.143782E+07	( 0.00, 0.259842E+08, 1.00)	(-0.02, 1.00, -0.00)	( 1.00, 0.02, -0.00)
6	0.000000E+00			0.000000E+00			0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)
5	0.000000E+00			0.000000E+00			0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)
7	0.127319E+08			0.124890E+08			250195.	( 0.00, 0.00, 1.00)	(-0.01, 1.00, 0.00)	( 1.00, 0.01, -0.00)
14	0.000000E+00			0.000000E+00			0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)
4	0.000000E+00			0.000000E+00			0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)
15	0.000000E+00			0.000000E+00			0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)
9	0.000000E+00			0.000000E+00			0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)
10	0.000000E+00			0.000000E+00			0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)
8	0.000000E+00			0.000000E+00			0.000000E+00	( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)
TOTALS FOR STRUCTURE	0.149667E+09			0.141205E+09			0.885499E+07	( 0.00, 0.00, 1.00)	(-0.02, 1.00, -0.00)	( 1.00, 0.02, -0.00)

FORCE OUTPUT GROUP	RESULTANT APPLIED LOAD AT ORIGIN IN GLOBAL DIRECTIONS						
	Fx	Fy	Fz	Mx	My	Mz	
	N	N	N	N .M	N .M	N .M	
LOAD CASE	12						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.196222E+07	-0.112450E+08	0.495511E+08	0.000000E+00	

AVERAGE ASPECT RATIO OF STRUCTURAL ELEMENTS (EXCEPT JOINTS, BARS AND BEAMS) = 1.200  
AVERAGE VALUE OF POISSON'S RATIO (FOR ISOTROPIC MATERIALS ONLY) = 0.2390

LOCATIONS USED DURING PRE-SOLUTION PROCESS = 1191070  
LOCATIONS AVAILABLE = 98304000  
TOTAL NO. OF STRUCTURAL DEGREES OF FREEDOM = 5907  
TOTAL NO. OF ACTIVE DEGREES OF FREEDOM = 5907  
TOTAL NO. OF EQUATIONS = 5958  
TOTAL NO. OF ACTIVE NODES = 985

NUMBER OF ELEMENT GROUPS = 34  
MAXIMUM NUMBER OF ELEMENTS IN A GROUP = 32

MAXIMUM SIZE OF ELEMENT DATA RECORDS = 183832  
MAXIMUM SIZE OF ELEMENT RESULT RECORDS = 852515  
MAXIMUM SIZE OF ELEMENT SOLUTION RECORDS = 799  
MAXIMUM SIZE OF ELEMENT SHAPE RECORDS = 6002  
TOTAL SIZE OF ELEMENT DATA RECORDS = 3791496  
TOTAL SIZE OF ELEMENT RESULT RECORDS = 20412759  
TOTAL SIZE OF ELEMENT SOLUTION RECORDS = 595612  
TOTAL SIZE OF GLOBAL SOLUTION RECORD = 37848  
TOTAL SIZE OF GLOBAL MATRIX & RHS RECORDS = 0

TIME FOR PRE-SOLUTION PROCESS = 0.13300 SEC. (ALL ELEMENT STIFFNESS MATRICES)

TIME AT CENTRAL PROCESSOR = 10:59:32 ON 14/05/21 (DAY/MTH/YR)

S L O A N F R O N T W I D T H O P T I M I S A T I O N

BEFORE RESEQUENCING NODES  
Profile = 66453

AFTER RESEQUENCING NODES  
Profile = 13373

TOTAL TIME USED DURING OPTIMISATION = 0.00000E+00 SEC.

MAXIMUM FRONTWIDTH OF STIFFNESS MATRIX = 96  
ROOT MEAN SQUARE OF FRONTWIDTH = 84  
AVERAGE FRONTWIDTH = 80

S O L U T I O N B Y F R O N T A L S P A R S E M A T R I X T E C H N I Q U E

\*\*\*WARNING\*\*\* GLOBAL VARIABLE 5869 HAS ZERO DIAGONAL STIFFNESS (SORTWS PROCESSOR)  
\*\*\*WARNING\*\*\* GLOBAL VARIABLE 5870 HAS ZERO DIAGONAL STIFFNESS (SORTWS PROCESSOR)  
\*\*\*WARNING\*\*\* GLOBAL VARIABLE 5871 HAS ZERO DIAGONAL STIFFNESS (SORTWS PROCESSOR)

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

\*\*\*WARNING\*\*\* ELEMENT 652, NODE 233, VARIABLE 5 HAS DIAGONAL DECAY 0.4638E+07 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05  
\*\*\*WARNING\*\*\* ELEMENT 332, NODE 424, VARIABLE 5 HAS DIAGONAL DECAY 0.4674E+07 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05  
\*\*\*WARNING\*\*\* ELEMENT 1016, NODE 1288, VARIABLE 3 HAS DIAGONAL DECAY 0.1288E+05 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05  
\*\*\*WARNING\*\*\* ELEMENT 1016, NODE 1288, VARIABLE 5 HAS DIAGONAL DECAY 0.2314E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05  
\*\*\*WARNING\*\*\* ELEMENT 1017, NODE 1296, VARIABLE 1 HAS DIAGONAL DECAY 0.4997E+06 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05  
\*\*\*WARNING\*\*\* ELEMENT 1017, NODE 1296, VARIABLE 2 HAS DIAGONAL DECAY 0.1280E+07 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05  
\*\*\*WARNING\*\*\* ELEMENT 1017, NODE 1296, VARIABLE 3 HAS DIAGONAL DECAY 0.1297E+05 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05  
\*\*\*WARNING\*\*\* ELEMENT 1017, NODE 1296, VARIABLE 5 HAS DIAGONAL DECAY 0.2307E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05  
\*\*\*WARNING\*\*\* NODE 1320, VARIABLE 4 HAS DIAGONAL DECAY 0.2590E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05  
\*\*\*WARNING\*\*\* NODE 1320, VARIABLE 5 HAS DIAGONAL DECAY 0.1674E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05  
\*\*\*WARNING\*\*\* NODE 1320, VARIABLE 6 HAS DIAGONAL DECAY 0.5108E+13 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05

```

***WARNING*** NODE      1326, VARIABLE 4 HAS DIAGONAL DECAY 0.2355E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1326, VARIABLE 5 HAS DIAGONAL DECAY 0.1674E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1326, VARIABLE 6 HAS DIAGONAL DECAY 0.5108E+13 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1320, VARIABLE 1 HAS DIAGONAL DECAY 0.1100E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1320, VARIABLE 2 HAS DIAGONAL DECAY 0.2414E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1326, VARIABLE 1 HAS DIAGONAL DECAY 0.1100E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1326, VARIABLE 2 HAS DIAGONAL DECAY 0.2195E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1320, VARIABLE 3 HAS DIAGONAL DECAY 0.7498E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1326, VARIABLE 3 HAS DIAGONAL DECAY 0.7498E+08 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1421, VARIABLE 1 HAS DIAGONAL DECAY 0.1000E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1421, VARIABLE 2 HAS DIAGONAL DECAY 0.1000E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1421, VARIABLE 3 HAS DIAGONAL DECAY 0.1000E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1334, VARIABLE 4 HAS NEGATIVE PIVOT -384.0 AND DIAGONAL DECAY 0.4127E+16 > 0.10E+05
***WARNING*** NODE      1334, VARIABLE 5 HAS DIAGONAL DECAY 0.1263E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1334, VARIABLE 6 HAS DIAGONAL DECAY 0.6878E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1334, VARIABLE 1 HAS DIAGONAL DECAY 0.8034E+17 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1334, VARIABLE 2 HAS DIAGONAL DECAY 0.8034E+17 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1334, VARIABLE 3 HAS DIAGONAL DECAY 0.2184E+17 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1416, VARIABLE 4 HAS DIAGONAL DECAY 0.1000E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1416, VARIABLE 5 HAS DIAGONAL DECAY 0.1000E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1416, VARIABLE 6 HAS DIAGONAL DECAY 0.1000E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1416, VARIABLE 1 HAS DIAGONAL DECAY 0.1000E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1416, VARIABLE 2 HAS DIAGONAL DECAY 0.1000E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05
***WARNING*** NODE      1416, VARIABLE 3 HAS DIAGONAL DECAY 0.1000E+16 WHICH EXCEEDS TOLERANCE VALUE OF 0.10E+05

```

CPU TIME USED FOR ASSEMBLY AND ELIMINATION WITH 48 RIGHT HAND SIDES = 0.36000E-01 SEC.

CPU TIME USED IN BACK-SUBSTITUTION PROCESS WITH 48 RIGHT HAND SIDES = 0.13000E-01 SEC.

TOTAL CPU TIME USED DURING STANDARD FRONTAL SOLUTION = 0.94000E-01 SEC.

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 10 JACOBI ITERATIONS (JACOBI PROCESSOR)

```

ITERATION      1
NUMBER      EIGENVALUE      CONVERGENCE
              NORM
 1      12.4489      1.00000
 2      212.148      1.00000
 3      253.123      1.00000
 4      2114.71      1.00000
 5      3422.36      1.00000
 6      4286.62      1.00000
 7      5362.55      1.00000
 8      5898.65      1.00000
 9      7445.29      1.00000
10      8190.10      1.00000
11      10617.7      1.00000
12      11338.8      1.00000
13      12957.2      1.00000
14      14895.1      1.00000
15      16588.7      1.00000
16      20183.0      1.00000
17      24428.0      1.00000
18      28935.2      1.00000
19      32821.2      1.00000
20      37737.9      1.00000
21      48118.4      1.00000
22      48887.1      1.00000
23      55736.6      1.00000
24      60358.3      1.00000
25      68085.6      1.00000
26      70876.3      1.00000
27      74130.6      1.00000
28      93911.9      1.00000
29      108854.      1.00000
30      112867.      1.00000
31      116516.      1.00000
32      120662.      1.00000
33      137365.      1.00000
34      194852.      1.00000
35      202178.      1.00000
36      253652.      1.00000
37      302371.      1.00000
38      318167.      1.00000
39      394655.      1.00000
40      595571.      1.00000

```

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 7 JACOBI ITERATIONS (JACOBI PROCESSOR)

```

ITERATION      2
NUMBER      EIGENVALUE      CONVERGENCE
              NORM
 1      12.2647      0.150208E-01
 2      12.5164      15.9497
 3      35.4279      6.14473
 4      203.215      9.40622
 5      211.293      15.1972
 6      1868.39      1.29428
 7      2323.13      1.30833
 8      3123.10      0.888719
 9      3544.21      1.10069
10      4089.85      1.00254

```

11	4694.82	1.26158
12	5706.15	0.987117
13	6660.36	0.945427
14	7958.52	0.871591
15	8985.89	0.846089
16	10724.3	0.881990
17	11230.5	1.17514
18	12612.5	1.29416
19	14134.6	1.32204
20	15590.9	1.42051
21	17439.5	1.75917
22	18429.7	1.65263
23	21340.8	1.61174
24	21830.9	1.76481
25	23838.4	1.85613
26	24437.8	1.90027
27	25051.0	1.95919
28	27771.7	2.38157
29	30972.6	2.51453
30	31608.5	2.57077
31	36552.8	2.18760
32	38908.8	2.10115
33	42427.8	2.23762
34	43580.1	3.47113
35	47940.1	3.21731
36	59404.1	3.26995
37	70176.0	3.30875
38	80813.3	2.93706
39	91802.9	3.29893
40	121232.	3.91264

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 7 JACOBI ITERATIONS (JACOBI PROCESSOR)

ITERATION 3

NUMBER	EIGENVALUE	CONVERGENCE NORM
1	12.2645	0.136088E-04
2	12.5162	0.130541E-04
3	35.4234	0.126859E-03
4	203.205	0.507575E-04
5	211.286	0.321023E-04
6	1867.15	0.667487E-03
7	2307.18	0.691689E-02
8	2982.83	0.470250E-01
9	3505.19	0.111322E-01
10	4051.88	0.937133E-02
11	4629.86	0.140307E-01
12	5648.14	0.102697E-01
13	6032.11	0.104150
14	6472.24	0.229639
15	6549.59	0.371978
16	7529.00	0.424395
17	7813.42	0.437339
18	8196.12	0.538840
19	8956.94	0.578066
20	10760.5	0.448897
21	11724.7	0.487414
22	12156.4	0.516045
23	13360.0	0.597367
24	13709.4	0.592403
25	14452.9	0.649381
26	15724.2	0.554151
27	16447.1	0.523126
28	17597.7	0.578145
29	18203.7	0.701445
30	20186.7	0.565810
31	22534.0	0.622120
32	24154.8	0.610815
33	29183.4	0.453834
34	30035.1	0.450972
35	34109.8	0.405463
36	37480.4	0.584936
37	44101.6	0.591233
38	48107.4	0.679851
39	55018.8	0.668572
40	59252.1	1.04604

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 6 JACOBI ITERATIONS (JACOBI PROCESSOR)

ITERATION 4

NUMBER	EIGENVALUE	CONVERGENCE NORM
1	12.2645	0.150312E-11
2	12.5162	0.152512E-11
3	35.4234	0.880906E-10
4	203.205	0.436141E-08
5	211.286	0.316179E-08
6	1867.14	0.460240E-05
7	2307.04	0.604553E-04
8	2979.57	0.109450E-02
9	3504.26	0.264824E-03
10	4050.07	0.447297E-03



11	4472.55	0.351724E-01
12	4623.07	0.221730
13	4871.35	0.238283
14	5181.52	0.249099
15	5317.32	0.231746
16	5382.09	0.398900
17	5649.38	0.383059
18	5812.47	0.410093
19	6469.98	0.384384
20	6556.92	0.641097
21	6963.28	0.683787
22	7359.18	0.651872
23	7657.43	0.744713
24	8073.25	0.698127
25	8521.54	0.696048
26	8850.65	0.776618
27	9112.20	0.804950
28	9935.58	0.771175
29	10611.4	0.715481
30	11664.1	0.730662
31	12150.7	0.854536
32	12606.5	0.916051
33	13578.8	1.14919
34	13689.6	1.19402
35	14516.8	1.34969
36	15716.9	1.38472
37	16511.8	1.67092
38	18382.4	1.61703
39	20158.0	1.72938
40	20888.4	1.83661

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 5 JACOBI ITERATIONS (JACOBI PROCESSOR)

ITERATION 5

NUMBER	EIGENVALUE	CONVERGENCE NORM
1	12.2645	0.376577E-14
2	12.5162	0.425773E-15
3	35.4234	0.240703E-14
4	203.205	0.272881E-12
5	211.286	0.332931E-12
6	1867.14	0.282421E-06
7	2307.03	0.140803E-05
8	2979.53	0.124293E-04
9	3504.23	0.843615E-05
10	4049.80	0.663375E-04
11	4175.44	0.711551E-01
12	4180.81	0.105783
13	4239.99	0.148907
14	4303.69	0.203973
15	4565.26	0.164736
16	4621.71	0.164523
17	4861.63	0.162033
18	4982.65	0.166541
19	5257.87	0.230534
20	5388.72	0.216786
21	5417.28	0.285383
22	5432.71	0.354606
23	5479.99	0.397343
24	5544.96	0.455960
25	5647.66	0.508862
26	5740.46	0.541800
27	6034.85	0.509931
28	6442.51	0.542191
29	6554.09	0.619056
30	7575.03	0.539815
31	8039.88	0.511309
32	8408.97	0.499176
33	8890.67	0.527310
34	10790.7	0.268649
35	11127.5	0.304579
36	11975.7	0.312397
37	12511.4	0.319741
38	12956.7	0.418754
39	14497.7	0.390427
40	15890.2	0.314542

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 6 JACOBI ITERATIONS (JACOBI PROCESSOR)

ITERATION 6

NUMBER	EIGENVALUE	CONVERGENCE NORM
1	12.2645	0.318642E-14
2	12.5162	0.000000E+00
3	35.4234	0.000000E+00
4	203.205	0.251761E-14
5	211.286	0.228680E-14
6	1867.14	0.146954E-07
7	2307.03	0.202609E-06
8	2979.53	0.481585E-06
9	3504.22	0.233646E-05
10	4049.65	0.375225E-04

11	4169.52	0.141981E-02
12	4169.82	0.263564E-02
13	4173.60	0.159072E-01
14	4175.44	0.307140E-01
15	4193.36	0.886875E-01
16	4239.84	0.900672E-01
17	4298.99	0.130876
18	4619.84	0.785337E-01
19	4931.54	0.661716E-01
20	5034.59	0.703382E-01
21	5044.01	0.740025E-01
22	5373.37	0.110436E-01
23	5404.27	0.140101E-01
24	5413.01	0.243767E-01
25	5415.42	0.428846E-01
26	5433.32	0.565292E-01
27	5477.35	0.101783
28	5492.22	0.173025
29	5657.33	0.158512
30	5697.43	0.329553
31	6533.25	0.230609
32	7501.77	0.120931
33	7571.53	0.174223
34	8038.65	0.342346
35	8310.44	0.338984
36	8752.83	0.368212
37	9140.88	0.368726
38	10817.0	0.197815
39	11623.9	0.247236
40	12119.9	0.311089

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 5 JACOBI ITERATIONS (JACOBI PROCESSOR)

ITERATION 7

NUMBER	EIGENVALUE	CONVERGENCE NORM
1	12.2645	0.202772E-14
2	12.5162	0.425773E-15
3	35.4234	0.300878E-14
4	203.205	0.405615E-14
5	211.286	0.538071E-15
6	1867.14	0.887741E-09
7	2307.03	0.281531E-07
8	2979.53	0.266509E-07
9	3504.22	0.103962E-05
10	4049.54	0.276668E-04
11	4169.41	0.263951E-04
12	4169.46	0.875971E-04
13	4169.65	0.948047E-03
14	4169.85	0.134162E-02
15	4170.12	0.557216E-02
16	4171.94	0.162747E-01
17	4173.52	0.300637E-01
18	4299.80	0.744316E-01
19	4621.98	0.669744E-01
20	4730.45	0.642948E-01
21	4774.93	0.563540E-01
22	4825.69	0.113492
23	5402.49	0.330173E-03
24	5411.88	0.209896E-03
25	5413.49	0.357457E-03
26	5414.23	0.352624E-02
27	5414.98	0.115167E-01
28	5423.41	0.126876E-01
29	5472.34	0.338052E-01
30	5523.90	0.314141E-01
31	5660.76	0.154130
32	6304.11	0.189981
33	6530.47	0.159417
34	6857.84	0.172185
35	7449.64	0.115549
36	7602.10	0.151371
37	8038.48	0.137140
38	8841.26	0.223466
39	9327.85	0.246146
40	10700.6	0.132637

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 5 JACOBI ITERATIONS (JACOBI PROCESSOR)

ITERATION 8

NUMBER	EIGENVALUE	CONVERGENCE NORM
1	12.2645	0.202772E-14
2	12.5162	0.709622E-15
3	35.4234	0.401171E-15
4	203.205	0.699335E-15
5	211.286	0.134518E-14
6	1867.14	0.538675E-10
7	2307.03	0.240315E-08
8	2979.53	0.400752E-08
9	3504.22	0.191677E-06
10	4049.47	0.178419E-04

11	4169.32	0.222832E-04
12	4169.43	0.704889E-05
13	4169.45	0.480921E-04
14	4169.46	0.934466E-04
15	4169.51	0.146276E-03
16	4169.64	0.551167E-03
17	4169.87	0.875825E-03
18	4175.95	0.296578E-01
19	4233.67	0.917193E-01
20	4313.00	0.967891E-01
21	4524.70	0.553031E-01
22	4621.86	0.441009E-01
23	5402.12	0.693567E-04
24	5411.24	0.117406E-03
25	5413.07	0.777377E-04
26	5413.84	0.724493E-04
27	5414.19	0.145996E-03
28	5414.64	0.161931E-02
29	5420.81	0.950606E-02
30	5444.57	0.145709E-01
31	5552.47	0.195040E-01
32	5645.43	0.116675
33	5674.27	0.150891
34	6506.17	0.540506E-01
35	6575.00	0.133025
36	7415.91	0.251066E-01
37	7501.07	0.716445E-01
38	7598.34	0.163578
39	8039.39	0.160268
40	8784.21	0.218161

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 3 JACOBI ITERATIONS (JACOBI PROCESSOR)

ITERATION 9

NUMBER	EIGENVALUE	CONVERGENCE NORM
1	12.2645	0.231739E-14
2	12.5162	0.425773E-15
3	35.4234	0.802343E-15
4	203.205	0.139867E-14
5	211.286	0.349746E-14
6	1867.14	0.113971E-11
7	2307.03	0.641764E-10
8	2979.53	0.351012E-09
9	3504.22	0.120965E-07
10	4049.45	0.315950E-05
11	4169.29	0.639034E-05
12	4169.41	0.337490E-05
13	4169.43	0.356449E-05
14	4169.45	0.148517E-05
15	4169.46	0.123922E-04
16	4169.53	0.268411E-04
17	4169.73	0.349290E-04
18	4169.99	0.142934E-02
19	4172.95	0.145511E-01
20	4176.60	0.326578E-01
21	4219.14	0.724228E-01
22	4621.76	0.215491E-04
23	5401.10	0.188147E-03
24	5410.44	0.147320E-03
25	5412.76	0.562831E-04
26	5413.72	0.220073E-04
27	5414.08	0.198695E-04
28	5414.32	0.593971E-04
29	5414.90	0.109065E-02
30	5417.01	0.508630E-02
31	5428.86	0.227685E-01
32	5509.48	0.246753E-01
33	5546.80	0.229819E-01
34	5663.93	0.148703
35	6530.06	0.688300E-02
36	7142.24	0.383175E-01
37	7146.59	0.496014E-01
38	7581.47	0.222529E-02
39	8037.80	0.198776E-03
40	8757.37	0.306518E-02

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 3 JACOBI ITERATIONS (JACOBI PROCESSOR)

ITERATION 10

NUMBER	EIGENVALUE	CONVERGENCE NORM
1	12.2645	0.130353E-14
2	12.5162	0.141924E-15
3	35.4234	0.401171E-15
4	203.205	0.195814E-14
5	211.286	0.807106E-14
6	1867.14	0.698023E-12
7	2307.03	0.130410E-11
8	2979.53	0.137778E-10
9	3504.22	0.521548E-09
10	4049.45	0.440882E-06

11	4169.25	0.101327E-04
12	4169.40	0.358891E-05
13	4169.41	0.582199E-05
14	4169.45	0.137352E-05
15	4169.45	0.275944E-05
16	4169.46	0.175528E-04
17	4169.56	0.387645E-04
18	4169.70	0.685654E-04
19	4169.84	0.745926E-03
20	4169.99	0.158585E-02
21	4172.76	0.111138E-01
22	4621.75	0.106722E-05
23	5399.86	0.229955E-03
24	5409.37	0.199235E-03
25	5412.58	0.343242E-04
26	5413.64	0.140788E-04
27	5414.04	0.909435E-05
28	5414.16	0.298253E-04
29	5414.33	0.105399E-03
30	5414.62	0.442458E-03
31	5415.16	0.253051E-02
32	5424.57	0.156530E-01
33	5520.07	0.484249E-02
34	5663.07	0.151860E-03
35	6529.79	0.401845E-04
36	7117.60	0.346065E-02
37	7118.84	0.389768E-02
38	7580.85	0.813578E-04
39	8037.63	0.202506E-04
40	8751.58	0.660714E-03

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 3 JACOBI ITERATIONS (JACOBI PROCESSOR)

ITERATION 11

NUMBER	EIGENVALUE	CONVERGENCE NORM
1	12.2645	0.869023E-15
2	12.5162	0.425773E-15
3	35.4234	0.200586E-14
4	203.205	0.601428E-14
5	211.286	0.142589E-13
6	1867.14	0.641397E-12
7	2307.03	0.396198E-13
8	2979.53	0.514801E-12
9	3504.22	0.214839E-10
10	4049.45	0.344068E-07
11	4169.20	0.117648E-04
12	4169.37	0.751369E-05
13	4169.40	0.363886E-06
14	4169.44	0.163196E-05
15	4169.45	0.110024E-05
16	4169.45	0.121917E-05
17	4169.46	0.247611E-04
18	4169.54	0.393146E-04
19	4169.61	0.555698E-04
20	4169.80	0.452754E-04
21	4169.96	0.671523E-03
22	4621.75	0.639143E-07
23	5399.11	0.138210E-03
24	5408.97	0.743468E-04
25	5412.47	0.188456E-04
26	5413.49	0.289853E-04
27	5413.85	0.350520E-04
28	5414.04	0.214609E-04
29	5414.08	0.457636E-04
30	5414.31	0.563104E-04
31	5414.82	0.615622E-04
32	5415.03	0.176249E-02
33	5519.58	0.877894E-04
34	5663.02	0.954674E-05
35	6529.76	0.559541E-05
36	7114.38	0.453777E-03
37	7114.92	0.551799E-03
38	7580.76	0.116157E-04
39	8037.60	0.433055E-05
40	8750.31	0.144936E-03

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 2 JACOBI ITERATIONS (JACOBI PROCESSOR)

ITERATION 12

NUMBER	EIGENVALUE	CONVERGENCE NORM
1	12.2645	0.304158E-14
2	12.5162	0.567698E-15
3	35.4234	0.802343E-15
4	203.205	0.183002E-11
5	211.286	0.234720E-11
6	1867.14	0.909469E-10
7	2307.03	0.261383E-09
8	2979.53	0.786013E-13
9	3504.22	0.153326E-09
10	4049.45	0.246983E-08

11	4169.19	0.211010E-05
12	4169.36	0.604129E-06
13	4169.40	0.304420E-06
14	4169.44	0.212615E-06
15	4169.45	0.192945E-05
16	4169.45	0.175510E-05
17	4169.45	0.172065E-05
18	4169.46	0.182340E-04
19	4169.53	0.186065E-04
20	4169.78	0.365869E-05
21	4169.96	0.111024E-05
22	4621.75	0.430449E-08
23	5398.99	0.226501E-04
24	5408.89	0.137213E-04
25	5412.45	0.457753E-05
26	5413.37	0.221058E-04
27	5413.80	0.790521E-05
28	5414.01	0.603731E-05
29	5414.04	0.704168E-05
30	5414.11	0.371708E-04
31	5414.29	0.977276E-04
32	5415.02	0.160489E-05
33	5519.54	0.800814E-05
34	5663.01	0.995797E-06
35	6529.75	0.824834E-06
36	7113.88	0.690385E-04
37	7114.34	0.810903E-04
38	7580.75	0.173156E-05
39	8037.59	0.956995E-06
40	8750.04	0.315527E-04

EIGEN-SOLUTION FOR SUBSPACE CONVERGED AFTER 2 JACOBI ITERATIONS (JACOBI PROCESSOR)

EIGEN-SOLUTION CONVERGED AFTER 13 SUBSPACE ITERATIONS

S T U R M S E Q U E N C E C H E C K

CLUSTER NO.	UPPER BOUNDS ON EIGENVALUE CLUSTERS	NUMBER OF EIGENVALUES IN EACH CLUSTER	NUMBER OF EIGENVALUES LESS THAN UPPER BOUND
1	12.39	1	1
2	12.64	1	2
3	35.78	1	3
4	205.2	1	4
5	213.4	1	5
6	1886.	1	6
7	2330.	1	7
8	3009.	1	8
9	3539.	1	9
10	4090.	1	10
11	4212.	11	21
12	4668.	1	22
13	5575.	11	33
14	5720.	1	34
15	6595.	1	35
16	7185.	2	37
17	7657.	1	38
18	8118.	1	39
19	8837.	1	40

CHECK APPLIED AT SHIFT 8837.

\*\*\*WARNING\*\*\* THE STURM SEQUENCE CHECK CAN BE VERY UNRELIABLE IF CONSTRAINT EQUATIONS HAVE BEEN DEFINED (PSTEIG PROCESSOR)

\*\*\*WARNING\*\*\* THERE ARE 11 EIGENVALUES MISSING

TRY RERUNNING WITH EITHER MORE STARTING ITERATION VECTORS, A LOWER TOLERANCE OR A DIFFERENT SHIFT VALUE (EIGFND PROCESSOR)

LOCATIONS REQUIRED DURING EIGENVALUE EXT. = 1246447  
 LOCATIONS AVAILABLE = 98304000

TOTAL CPU TIME USED DURING EIGENVALUE EXTRACTION = 2.3520 SEC.

TOTAL ELAPSED TIME USED DURING EIGENVALUE EXTRACTION = 0 HRS 0 MINS 2 SECS

LOCATIONS USED DURING POST-SOLUTION PROCESS = 1939009  
 LOCATIONS AVAILABLE = 98304000

ACTUAL TOTAL NO. EDGES IN STRUCTURE = 1565  
 ACTUAL TOTAL NO. FACES IN STRUCTURE = 576

TIME FOR POST-SOLUTION PROCESS = 3.8960 SEC.

E I G E N V A L U E S

MODE	EIGENVALUE	FREQUENCY	ERROR NORM
1	12.2645	0.557372	0.396146E-06
2	12.5162	0.563062	0.235908E-06
3	35.4234	0.947252	0.133375E-06
4	203.205	2.26875	0.236294E-04
5	211.286	2.31343	0.276006E-04
6	1867.14	6.87715	0.277430E-05
7	2307.03	7.64446	0.423048E-06
8	2979.53	8.68748	0.354764E-05
9	3504.22	9.42140	0.223856E-04
10	4049.45	10.1279	0.416792E-05
11	4169.19	10.2765	0.975964E-03
12	4169.36	10.2767	0.448990E-03
13	4169.40	10.2768	0.645403E-03
14	4169.44	10.2768	0.437420E-02
15	4169.44	10.2768	0.486037E-03
16	4169.45	10.2768	0.752324E-03
17	4169.45	10.2768	0.750175E-03
18	4169.46	10.2769	0.759453E-03
19	4169.53	10.2769	0.656558E-03
20	4169.78	10.2772	0.129919E-02
21	4169.96	10.2775	0.622977E-03
22	4621.75	10.8199	0.897373E-05
23	5398.97	11.6943	0.150587E-02
24	5408.87	11.7051	0.134549E-02
25	5412.45	11.7089	0.675363E-03
26	5413.25	11.7098	0.272870E-02
27	5413.80	11.7104	0.822787E-03
28	5414.01	11.7106	0.781294E-03
29	5414.04	11.7106	0.913070E-03
30	5414.16	11.7108	0.295180E-02
31	5414.29	11.7109	0.643910E-03
32	5415.02	11.7117	0.424655E-03
33	5519.53	11.8242	0.894816E-03
34	5663.01	11.9769	0.149838E-03
35	6529.75	12.8608	0.177958E-03
36	7113.81	13.4237	0.763488E-02
37	7114.25	13.4241	0.872179E-02
38	7580.75	13.8572	0.271473E-03
39	8037.59	14.2687	0.249370E-03
40	8749.98	14.8876	0.133219E-02

\*\*\*WARNING\*\*\* ONE OR MORE NON-ZERO EIGENVALUES WERE COMPUTED WITH ERROR NORM GREATER THAN 0.10E-03 :  
USE THESE MODES WITH CAUTION (EIGOUT PROCESSOR)

P A R T I C I P A T I O N F A C T O R S I N G L O B A L D I R E C T I O N S

MODE	X DIRECTION			Y DIRECTION			Z DIRECTION		
	P. FACTOR	MASS P.F.	SUM M.P.F.	P. FACTOR	MASS P.F.	SUM M.P.F.	P. FACTOR	MASS P.F.	SUM M.P.F.
1	-25.00	0.8507E-03	0.8507E-03	843.0	0.9677	0.9677	0.1788E-01	0.4354E-09	0.4354E-09
2	-843.1	0.9678	0.9686	-25.00	0.8508E-03	0.9685	0.2605E-01	0.9242E-09	0.1360E-08
3	-2.743	0.1025E-04	0.9686	0.9188	0.1150E-05	0.9685	-6.767	0.6236E-04	0.6236E-04
4	0.7872E-01	0.8439E-08	0.9686	5.060	0.3487E-04	0.9685	625.4	0.5326	0.5327
5	-0.1211	0.1997E-07	0.9686	-7.208	0.7074E-04	0.9686	438.0	0.2612	0.7939
6	-0.2381	0.7720E-07	0.9686	0.1290	0.2266E-07	0.9686	9.459	0.1218E-03	0.7940
7	1.352	0.2490E-05	0.9686	-0.8633	0.1015E-05	0.9686	2.267	0.6995E-05	0.7940
8	0.2090E-02	0.5950E-11	0.9686	-0.7769E-01	0.8218E-08	0.9686	-3.251	0.1439E-04	0.7940
9	0.2175	0.6444E-07	0.9686	-0.4314	0.2534E-06	0.9686	6.415	0.5602E-04	0.7941
10	0.7440E-01	0.7538E-08	0.9686	0.6497	0.5748E-06	0.9686	-54.17	0.3995E-02	0.7981
11	-0.2287E-03	0.7121E-13	0.9686	0.5238E-02	0.3735E-10	0.9686	1.365	0.2537E-05	0.7981
12	0.1179E-01	0.1893E-09	0.9686	0.9241E-02	0.1163E-09	0.9686	-1.512	0.3113E-05	0.7981
13	-0.3109E-03	0.1316E-12	0.9686	0.4132E-02	0.2325E-10	0.9686	0.1250	0.2127E-07	0.7981
14	0.4584E-01	0.2861E-08	0.9686	-0.6345E-03	0.5482E-12	0.9686	-0.5005	0.3411E-06	0.7981
15	-0.3336E-02	0.1515E-10	0.9686	0.1120E-02	0.1708E-11	0.9686	-0.2655	0.9599E-07	0.7981
16	-0.1871E-01	0.4766E-09	0.9686	-0.4405E-03	0.2643E-12	0.9686	-0.3675	0.1839E-06	0.7981
17	-0.5274E-02	0.3787E-10	0.9686	-0.1542E-02	0.3237E-11	0.9686	-0.1292	0.2274E-07	0.7981
18	-0.5151E-02	0.3612E-10	0.9686	0.7480E-03	0.7618E-12	0.9686	-0.7067E-01	0.6801E-08	0.7981
19	-0.2026E-01	0.5589E-09	0.9686	0.3040E-03	0.1259E-12	0.9686	3.637	0.1801E-04	0.7981
20	0.1302E-01	0.2307E-09	0.9686	-0.9208E-02	0.1155E-09	0.9686	0.5368	0.3923E-06	0.7981
21	-0.6268E-02	0.5349E-10	0.9686	0.2687E-01	0.9834E-09	0.9686	-2.708	0.9983E-05	0.7981
22	0.5554E-01	0.4201E-08	0.9686	0.8940	0.1088E-05	0.9686	15.64	0.3331E-03	0.7985
23	-0.2241E-01	0.6841E-09	0.9686	-0.6276E-01	0.5364E-08	0.9686	-10.96	0.1637E-03	0.7986
24	-0.5583E-01	0.4245E-08	0.9686	0.1039	0.1470E-07	0.9686	-0.5711	0.4441E-06	0.7986
25	-0.4665E-02	0.2963E-10	0.9686	0.8951E-03	0.1091E-11	0.9686	2.207	0.6631E-05	0.7986
26	-0.2561E-02	0.8928E-11	0.9686	0.1394E-01	0.2647E-09	0.9686	0.9329E-01	0.1185E-07	0.7986
27	-0.6168E-04	0.5180E-14	0.9686	0.1483E-01	0.2993E-09	0.9686	-1.114	0.1691E-05	0.7986
28	0.8728E-03	0.1037E-11	0.9686	0.7985E-02	0.8681E-10	0.9686	-0.4061	0.2245E-06	0.7986
29	0.2576E-03	0.9034E-13	0.9686	-0.5521E-02	0.4150E-10	0.9686	-0.1008	0.1384E-07	0.7986
30	0.1726E-02	0.4058E-11	0.9686	0.3241E-02	0.1430E-10	0.9686	0.1105	0.1662E-07	0.7986
31	0.1589E-03	0.3438E-13	0.9686	-0.4609E-03	0.2893E-12	0.9686	-0.1065E-01	0.1543E-09	0.7986
32	-0.1031E-02	0.1447E-11	0.9686	0.4687E-02	0.2992E-10	0.9686	4.810	0.3150E-04	0.7986
33	0.2497	0.8487E-07	0.9686	-0.1169	0.1861E-07	0.9686	1.488	0.3015E-05	0.7987
34	-0.1138E-01	0.1763E-09	0.9686	-0.2915	0.1157E-06	0.9686	-22.08	0.6636E-03	0.7993
35	-0.9867E-02	0.1326E-09	0.9686	-0.1851	0.4663E-07	0.9686	101.6	0.1405E-01	0.8134
36	0.3570E-02	0.1736E-10	0.9686	-0.3414E-01	0.1587E-08	0.9686	-5.957	0.4832E-04	0.8134
37	0.1163E-01	0.1843E-09	0.9686	-0.6341E-01	0.5475E-08	0.9686	-0.6908	0.6498E-06	0.8134
38	-0.3348E-01	0.1526E-08	0.9686	0.4101	0.2290E-06	0.9686	211.5	0.6089E-01	0.8743

39	-0.6069E-01	0.5015E-08	0.9686	0.6624	0.5974E-06	0.9686	-119.8	0.1955E-01	0.8939
40	-0.4223E-02	0.2428E-10	0.9686	1.875	0.4785E-05	0.9686	5.297	0.3821E-04	0.8939

MODE	THX DIRECTION			THY DIRECTION			THZ DIRECTION		
	P. FACTOR	MASS P.F.	SUM M.P.F.	P. FACTOR	MASS P.F.	SUM M.P.F.	P. FACTOR	MASS P.F.	SUM M.P.F.
1	94.62	0.1990E-01	0.1990E-01	2.774	0.4649E-04	0.4649E-04	-0.3029E-03	0.1374E-10	0.1374E-10
2	-2.821	0.1769E-04	0.1992E-01	93.57	0.5290E-01	0.5295E-01	-0.8162E-03	0.9977E-10	0.1135E-09
3	0.4886	0.5305E-06	0.1992E-01	1.373	0.1139E-04	0.5296E-01	0.2537	0.9643E-05	0.9643E-05
4	-59.55	0.7883E-02	0.2780E-01	-0.4948E-01	0.1479E-07	0.5296E-01	0.8452E-02	0.1070E-07	0.9654E-05
5	84.98	0.1605E-01	0.4385E-01	0.5755E-01	0.2001E-07	0.5296E-01	0.6049E-02	0.5481E-08	0.9660E-05
6	0.1801E-01	0.7206E-09	0.4385E-01	-0.7397	0.3306E-05	0.5296E-01	-0.7201E-01	0.7767E-06	0.1044E-04
7	3.421	0.2601E-04	0.4388E-01	6.311	0.2407E-03	0.5320E-01	-0.1329E-01	0.2644E-07	0.1046E-04
8	2.395	0.1275E-04	0.4389E-01	0.3168E-01	0.6062E-08	0.5320E-01	-0.1339E-01	0.2684E-07	0.1049E-04
9	5.316	0.6281E-04	0.4396E-01	1.293	0.1009E-04	0.5321E-01	0.6307E-02	0.5957E-08	0.1050E-04
10	19.24	0.8230E-03	0.4478E-01	1.472	0.1310E-04	0.5323E-01	0.1932E-02	0.5589E-09	0.1050E-04
11	1.305	0.3783E-05	0.4478E-01	3.144	0.5974E-04	0.5328E-01	0.5824E-03	0.5080E-10	0.1050E-04
12	0.8209	0.1498E-05	0.4478E-01	1.994	0.2403E-04	0.5331E-01	-0.7323E-04	0.8031E-12	0.1050E-04
13	1.073	0.2561E-05	0.4479E-01	2.774	0.4648E-04	0.5336E-01	-0.1047E-03	0.1643E-11	0.1050E-04
14	1.078	0.2581E-05	0.4479E-01	3.516	0.7469E-04	0.5343E-01	-0.1018E-03	0.1553E-11	0.1050E-04
15	0.7555E-01	0.1269E-07	0.4479E-01	0.1369	0.1133E-06	0.5343E-01	-0.1003E-03	0.1505E-11	0.1050E-04
16	-0.5361	0.6388E-06	0.4479E-01	-1.561	0.1471E-04	0.5344E-01	0.6277E-04	0.5902E-12	0.1050E-04
17	-0.2625	0.1531E-06	0.4479E-01	-0.7429	0.3334E-05	0.5345E-01	0.1845E-04	0.5100E-13	0.1050E-04
18	-0.1413	0.4435E-07	0.4479E-01	-0.3766	0.8568E-06	0.5345E-01	-0.2427E-04	0.8820E-13	0.1050E-04
19	2.402	0.1283E-04	0.4480E-01	6.580	0.2616E-03	0.5371E-01	0.9825E-03	0.1446E-09	0.1050E-04
20	11.46	0.2917E-03	0.4509E-01	34.97	0.7387E-02	0.6110E-01	-0.1556E-03	0.3626E-11	0.1050E-04
21	-1.100	0.2691E-05	0.4510E-01	-4.752	0.1364E-03	0.6123E-01	0.8495E-03	0.1081E-09	0.1050E-04
22	24.62	0.1347E-02	0.4644E-01	0.4767E-01	0.1373E-07	0.6123E-01	-0.5327E-02	0.4250E-08	0.1050E-04
23	1.072	0.2552E-05	0.4645E-01	-0.5746E-02	0.1995E-09	0.6123E-01	-0.8895E-02	0.1185E-07	0.1051E-04
24	-1.393	0.4314E-05	0.4645E-01	0.1457	0.1282E-06	0.6123E-01	-0.7255E-03	0.7882E-10	0.1051E-04
25	0.6703E-01	0.9988E-08	0.4645E-01	0.4046E-02	0.9892E-10	0.6123E-01	0.7202E-03	0.7769E-10	0.1051E-04
26	-0.6824	0.1035E-05	0.4645E-01	0.3352E-01	0.6789E-08	0.6123E-01	-0.6337E-03	0.6015E-10	0.1051E-04
27	-2.100	0.9797E-05	0.4646E-01	0.9690E-01	0.5672E-07	0.6123E-01	-0.1640E-02	0.4027E-09	0.1051E-04
28	-1.996	0.8857E-05	0.4647E-01	0.9219E-01	0.5134E-07	0.6123E-01	-0.2436E-02	0.8886E-09	0.1051E-04
29	0.8795	0.1719E-05	0.4647E-01	-0.5029E-01	0.1528E-07	0.6123E-01	0.1197E-02	0.2147E-09	0.1051E-04
30	-0.5326	0.6306E-06	0.4647E-01	0.4004E-01	0.9687E-08	0.6123E-01	-0.3523E-03	0.1859E-10	0.1051E-04
31	-0.9671E-01	0.2079E-07	0.4647E-01	0.5271E-02	0.1679E-09	0.6123E-01	-0.7106E-04	0.7563E-12	0.1051E-04
32	-1.361	0.4115E-05	0.4648E-01	0.7747E-01	0.3626E-07	0.6123E-01	0.1069E-01	0.1713E-07	0.1053E-04
33	-4.785	0.5089E-04	0.4653E-01	-13.58	0.1115E-02	0.6235E-01	0.1652E-02	0.4088E-09	0.1053E-04
34	-2.426	0.1308E-04	0.4654E-01	-1.727	0.1801E-04	0.6237E-01	-0.2835E-01	0.1204E-06	0.1065E-04
35	2.134	0.1012E-04	0.4655E-01	-0.3217	0.6254E-06	0.6237E-01	0.5959E-01	0.5318E-06	0.1118E-04
36	-1.452	0.4685E-05	0.4656E-01	-3.869	0.9043E-04	0.6246E-01	0.2154E-02	0.6952E-09	0.1118E-04
37	-7.867	0.1376E-03	0.4669E-01	-21.48	0.2788E-02	0.6525E-01	-0.6898E-03	0.7127E-10	0.1118E-04
38	2.403	0.1284E-04	0.4671E-01	-0.2865	0.4959E-06	0.6525E-01	-0.2040E-01	0.6230E-07	0.1125E-04
39	7.063	0.1109E-03	0.4682E-01	-0.5442	0.1789E-05	0.6525E-01	0.3665E-01	0.2012E-06	0.1145E-04
40	-13.00	0.3755E-03	0.4719E-01	-0.8830	0.4711E-05	0.6525E-01	-0.4079E-02	0.2492E-08	0.1145E-04

TOTAL MASS ACTING IN X DIRECTION = 734426. KG  
TOTAL MASS ACTING IN Y DIRECTION = 734426. KG  
TOTAL MASS ACTING IN Z DIRECTION = 734426. KG

LOCATIONS USED DURING OUTPUT PROCESS = 684119  
LOCATIONS AVAILABLE = 98304000

TIME FOR OUTPUT PROCESS = 0.32500 SEC.

TOTAL CPU TIME USED FOR SOLUTION = 7.2140 SEC.

TOTAL ELAPSED TIME USED FOR SOLUTION = 0 HRS 0 MINS 7 SECS

TIME AT CENTRAL PROCESSOR = 10:59:38 ON 14/05/21 (DAY/MTH/YR)

I/O STATISTICS OF MAIN DIRECT ACCESS DISK UNITS

Disk Unit Name	Disk Page Size (Bytes)	Calls to I/O Routines	Buffered Transfers	Disk Accesses	Page Table Swaps	Peak File Size (Mbytes)
PROBLEM	16384	1559	17836	13766	0	121.0625
FRONTAL	16384	118434	194343	14732	0	16.32812
SHAPES	16384	46	80	46	0	0.2500000
PLOT	16384	41176	49210	7560	0	126.8750
RESTART	0	0	0	0	0	0.0000000E+00

\*\*\*LUSAS RUN SUCCESSFULLY COMPLETED\*\*\*

TIME AT CENTRAL PROCESSOR = 10:59:44 ON 14/05/21 (DAY/MTH/YR)

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

NLPZ 98304000  
NPGS 960  
MXELGP 32

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

IDTIME 1

LL UU UU SSSSS AAAA SSSSS  
LL UU UU SS SS AA AA SS SS  
LL UU UU SS AA AA SS  
LL UU UU SSSSS AAAAAAA SSSSS  
LL UU UU SSSSS AAAAAAA SSSSS  
LL UU UU SS AA AA SS  
LLLLLLLL UU UU SS SS AA AA SS SS  
LLLLLLLL UUUUU SSSSS AA AA SSSSS

Build Information : KITBUILD03 - Feb 16 2021 02:12:17

Kit Version : 19.1-B3  
Solver Version : 19.1.1233.7156 (32-bit)

Developed by: LUSAS,  
Forge House,  
66 High Street,  
Kingston upon Thames,  
Surrey, KT1 1HN, UK  
www.lusas.com  
  
Sales Enquiries: Tel +44 (0)20 8541 1999  
Fax +44 (0)20 8549 9399  
Email: info@lusas.com  
  
Customer Support: Tel +44 (0)20 3325 0440  
Fax +44 (0)20 8549 9399  
Email: support@lusas.com

KeyID 15062 licensed on PC processor. Expires 1-07-2021  
Using Sentinel license server.  
Analysis Options : Nonlinear, Dynamics, Thermal/Field, FDS (Fast Direct Solver)  
Element Library : Plus

Solver executed : C:\Program Files (x86)\LUSAS191\Programs\Lusas\_S.exe  
Input file :

V:\100\_comesse\100\_699\571\_343\_imp\_misti\_Ragusana\_SS194\_Sintagma.AS\L4\_VI05\_06\_Buonafede\modelli\sottostrutture\LUSASFiles32\Buonafede\_sottostr\_r02  
\Buonafede\_sottostr\_r02~07-spalle.dat

Number of processors available : 4  
Maximum number of threads available : 4

Memory request for 1105Mb Succeeded

TIME AT CENTRAL PROCESSOR = 10:59:44 ON 14/05/21 (DAY/MTH/YR)

P R O B L E M 1

Viadotto Buonafede - sottostrutture

U N I T S N M K G S C

GRAVITY DIRECTION = Z ACCELERATION = -9.810

O P T I O N(S) 2 SUPPRESS NODE COORDINATE CHECKS FOR SIMILAR COORDS AND MISSING NODES

O P T I O N(S) 48 SWITCH CBF/BFP INPUT FROM FORCE/UNIT VOLUME TO ACCELERATION

O P T I O N(S) 61 ALL TWO DIMENSIONAL SLIDELINE SURFACES DEFINED WITH OUTWARD NORMALS

O P T I O N(S) 123 CLOCKWISE NODE NUMBERING

O P T I O N(S) -131 PARALLEL FRONTAL SOLVER ALGORITHM



O P T I O N(S) 242 TEMPERATURES INPUT AND OUTPUT IN DEGREES CELSIUS  
 O P T I O N(S) 250 DATAFILE HAS BEEN CREATED BY MODELLER  
 O P T I O N(S) 253 EMISSIVITY SPECIFIED IN THERMAL ENVIRONMENT PROPERTIES  
 O P T I O N(S) 259 SAVE NODAL STRESSES IN PLOT FILE TO AVOID STRESS EXTRAPOLATION IN MODELLER  
 O P T I O N(S) 272 ACTIVATE OR DEACTIVATE ELEMENTS  
 O P T I O N(S) 278 ASSIGN SIX DEGREES OF FREEDOM TO ALL THICK SHELL ELEMENT NODES  
 O P T I O N(S) -282 F SET SLOANE FRONTAL OPTIMISER AS DEFAULT  
 O P T I O N(S) 324 SPECIFY DAMPING PROPERTIES FOR JOINT PROPERTIES GENERAL EXPLICITLY  
 O P T I O N(S) 386 USE OF WEIGHTED FORCE/STIFFNESS DISTRIBUTION WITH SLIDELINES  
 O P T I O N(S) 396 IMPROVED TOP/MIDDLE/BOTTOM TRANSVERSE SHEAR STRESS CALCULATION FOR THICK SHELL ELEMENTS  
 O P T I O N(S) 399 RETAIN INACTIVE ELEMENTS IN BIRTH AND DEATH SOLUTION (OLD ANALYSIS TYPE)  
 O P T I O N(S) 414 INTRODUCE RESIDUAL BENDING FLEXIBILITY CORRECTION FOR 2-NODE THICK BEAM BTS3  
 O P T I O N(S) 416 DATA FILE CREATED IN V15.0 OR LATER  
 O P T I O N(S) 433 USE HERMITIAN SHAPE FUNCTIONS TO FORMULATE THE MASS MATRIX FOR 2-NODE THICK BEAMS

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
JSH4	ELEMENTS			
1016	1319	1288	1426	1427
1017	1325	1296	1428	1429
1018	1322	1304	1430	1431
1019	1328	1312	1432	1433
1020	1412	1414	1434	1435
1021	1413	1415	1436	1437
1022	1416	1424	1438	1439
1023	1420	1331	1440	1441
1024	1421	1425	1442	1443
1025	1422	492	1444	1445
1026	1423	714	1446	1447

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
QTS4	ELEMENTS			
1	1	3	8	7
2	3	4	9	8
3	4	5	10	9
4	5	2	6	10
5	2	12	15	6
6	12	13	16	15
7	13	11	14	16
8	11	17	18	14
9	17	20	24	18
10	20	21	25	24
11	21	22	26	25
12	22	19	23	26
13	19	28	32	23
14	28	29	33	32
15	29	30	34	33
16	30	27	31	34
17	27	36	38	31
18	36	35	37	38
19	35	40	42	37
20	40	39	41	42
21	39	44	48	41
22	44	45	49	48

23	45	46	50	49
24	46	43	47	50
25	43	52	56	47
26	52	53	57	56
27	53	54	58	57
28	54	51	55	58
29	51	60	62	55
30	60	59	61	62
31	59	64	66	61
32	64	63	65	66
33	63	68	72	65
34	68	69	73	72
35	69	70	74	73
36	70	67	71	74
37	67	76	80	71
38	76	77	81	80
39	77	78	82	81
40	78	75	79	82
41	75	83	84	79
42	83	86	89	84
43	86	87	90	89
44	87	85	88	90
45	85	92	96	88
46	92	93	97	96
47	93	94	98	97
48	94	91	95	98
53	7	8	110	109
54	8	9	111	110
55	9	10	112	111
56	10	6	100	112
57	109	110	102	101
58	110	111	103	102
59	111	112	104	103
60	112	100	99	104
64	6	15	120	100
65	15	16	121	120
66	16	14	114	121
67	100	120	115	99
68	120	121	116	115
69	121	114	113	116
71	14	18	123	114
72	114	123	122	113
77	18	24	134	123
78	24	25	135	134
79	25	26	136	135
80	26	23	126	136
81	123	134	127	122
82	134	135	128	127
83	135	136	129	128
84	136	126	125	129
89	23	32	146	126
90	32	33	147	146
91	33	34	148	147
92	34	31	138	148
93	126	146	139	125
94	146	147	140	139
95	147	148	141	140
96	148	138	137	141
99	31	38	154	138
100	38	37	150	154
101	138	154	151	137
102	154	150	149	151
105	37	42	160	150
106	42	41	156	160
107	150	160	157	149
108	160	156	155	157
113	41	48	170	156
114	48	49	171	170
115	49	50	172	171
116	50	47	162	172
117	156	170	163	155
118	170	171	164	163
119	171	172	165	164
120	172	162	161	165
125	47	56	182	162
126	56	57	183	182
127	57	58	184	183
128	58	55	174	184
129	162	182	175	161
130	182	183	176	175
131	183	184	177	176
132	184	174	173	177
135	55	62	190	174
136	62	61	186	190
137	174	190	187	173
138	190	186	185	187
141	61	66	196	186
142	66	65	192	196
143	186	196	193	185
144	196	192	191	193
149	65	72	206	192
150	72	73	207	206
151	73	74	208	207
152	74	71	198	208
153	192	206	199	191
154	206	207	200	199
155	207	208	201	200
156	208	198	197	201

161	71	80	218	198
162	80	81	219	218
163	81	82	220	219
164	82	79	210	220
165	198	218	211	197
166	218	219	212	211
167	219	220	213	212
168	220	210	209	213
170	79	84	222	210
171	210	222	221	209
175	84	89	231	222
176	89	90	232	231
177	90	88	225	232
178	222	231	226	221
179	231	232	227	226
180	232	225	224	227
185	88	96	242	225
186	96	97	243	242
187	97	98	244	243
188	98	95	234	244
189	225	242	235	224
190	242	243	236	235
191	243	244	237	236
192	244	234	233	237
197	245	247	261	260
198	247	248	262	261
199	248	249	263	262
200	249	246	255	263
201	260	261	257	256
202	261	262	258	257
203	262	263	259	258
204	263	255	254	259
208	246	265	274	255
209	265	266	275	274
210	266	264	271	275
211	255	274	272	254
212	274	275	273	272
213	275	271	270	273
215	264	276	279	271
216	271	279	278	270
221	276	281	293	279
222	281	282	294	293
223	282	283	295	294
224	283	280	289	295
225	279	293	290	278
226	293	294	291	290
227	294	295	292	291
228	295	289	288	292
233	280	297	309	289
234	297	298	310	309
235	298	299	311	310
236	299	296	305	311
237	289	309	306	288
238	309	310	307	306
239	310	311	308	307
240	311	305	304	308
243	296	313	319	305
244	313	312	317	319
245	305	319	318	304
246	319	317	316	318
249	312	321	327	317
250	321	320	325	327
251	317	327	326	316
252	327	325	324	326
257	320	329	341	325
258	329	330	342	341
259	330	331	343	342
260	331	328	337	343
261	325	341	338	324
262	341	342	339	338
263	342	343	340	339
264	343	337	336	340
269	328	345	357	337
270	345	346	358	357
271	346	347	359	358
272	347	344	353	359
273	337	357	354	336
274	357	358	355	354
275	358	359	356	355
276	359	353	352	356
279	344	361	367	353
280	361	360	365	367
281	353	367	366	352
282	367	365	364	366
285	360	369	375	365
286	369	368	373	375
287	365	375	374	364
288	375	373	372	374
293	368	377	389	373
294	377	378	390	389
295	378	379	391	390
296	379	376	385	391
297	373	389	386	372
298	389	390	387	386
299	390	391	388	387
300	391	385	384	388
305	376	393	405	385
306	393	394	406	405

307	394	395	407	406
308	395	392	401	407
309	385	405	402	384
310	405	406	403	402
311	406	407	404	403
312	407	401	400	404
314	392	408	411	401
315	401	411	410	400
319	408	413	422	411
320	413	414	423	422
321	414	412	419	423
322	411	422	420	410
323	422	423	421	420
324	423	419	418	421
329	412	425	437	419
330	425	426	438	437
331	426	427	439	438
332	427	424	433	439
333	419	437	434	418
334	437	438	435	434
335	438	439	436	435
336	439	433	432	436
337	256	257	442	441
338	257	258	443	442
339	258	259	444	443
340	259	254	440	444
341	254	272	446	440
342	272	273	447	446
343	273	270	445	447
344	270	278	448	445
345	278	290	450	448
346	290	291	451	450
347	291	292	452	451
348	292	288	449	452
349	288	306	454	449
350	306	307	455	454
351	307	308	456	455
352	308	304	453	456
353	304	318	458	453
354	318	316	457	458
355	316	326	460	457
356	326	324	459	460
357	324	338	462	459
358	338	339	463	462
359	339	340	464	463
360	340	336	461	464
361	336	354	466	461
362	354	355	467	466
363	355	356	468	467
364	356	352	465	468
365	352	366	470	465
366	366	364	469	470
367	364	374	472	469
368	374	372	471	472
369	372	386	474	471
370	386	387	475	474
371	387	388	476	475
372	388	384	473	476
373	384	402	478	473
374	402	403	479	478
375	403	404	480	479
376	404	400	477	480
377	400	410	481	477
378	410	420	483	481
379	420	421	484	483
380	421	418	482	484
381	418	434	486	482
382	434	435	487	486
383	435	436	488	487
384	436	432	485	488
385	101	102	498	496
386	102	103	499	498
387	103	104	500	499
388	104	99	490	500
389	496	498	501	497
390	498	499	502	501
391	499	500	503	502
392	500	490	491	503
393	497	501	495	492
394	501	502	494	495
395	502	503	493	494
396	503	491	489	493
397	492	495	508	506
398	495	494	509	508
399	494	493	510	509
400	493	489	504	510
401	506	508	511	507
402	508	509	512	511
403	509	510	513	512
404	510	504	505	513
405	507	511	247	245
406	511	512	248	247
407	512	513	249	248
408	513	505	246	249
409	99	115	519	490
410	115	116	520	519
411	116	113	515	520
412	490	519	521	491

413	519	520	522	521
414	520	515	516	522
415	491	521	518	489
416	521	522	517	518
417	522	516	514	517
418	489	518	525	504
419	518	517	526	525
420	517	514	523	526
421	504	525	527	505
422	525	526	528	527
423	526	523	524	528
424	505	527	265	246
425	527	528	266	265
426	528	524	264	266
427	113	122	530	515
428	515	530	531	516
429	516	531	529	514
430	514	529	532	523
431	523	532	533	524
432	524	533	276	264
433	122	127	540	530
434	127	128	541	540
435	128	129	542	541
436	129	125	535	542
437	530	540	543	531
438	540	541	544	543
439	541	542	545	544
440	542	535	536	545
441	531	543	539	529
442	543	544	538	539
443	544	545	537	538
444	545	536	534	537
445	529	539	548	532
446	539	538	549	548
447	538	537	550	549
448	537	534	546	550
449	532	548	551	533
450	548	549	552	551
451	549	550	553	552
452	550	546	547	553
453	533	551	281	276
454	551	552	282	281
455	552	553	283	282
456	553	547	280	283
457	125	139	560	535
458	139	140	561	560
459	140	141	562	561
460	141	137	555	562
461	535	560	563	536
462	560	561	564	563
463	561	562	565	564
464	562	555	556	565
465	536	563	559	534
466	563	564	558	559
467	564	565	557	558
468	565	556	554	557
469	534	559	568	546
470	559	558	569	568
471	558	557	570	569
472	557	554	566	570
473	546	568	571	547
474	568	569	572	571
475	569	570	573	572
476	570	566	567	573
477	547	571	297	280
478	571	572	298	297
479	572	573	299	298
480	573	567	296	299
481	137	151	578	555
482	151	149	575	578
483	555	578	579	556
484	578	575	576	579
485	556	579	577	554
486	579	576	574	577
487	554	577	582	566
488	577	574	580	582
489	566	582	583	567
490	582	580	581	583
491	567	583	313	296
492	583	581	312	313
493	149	157	588	575
494	157	155	585	588
495	575	588	589	576
496	588	585	586	589
497	576	589	587	574
498	589	586	584	587
499	574	587	592	580
500	587	584	590	592
501	580	592	593	581
502	592	590	591	593
503	581	593	321	312
504	593	591	320	321
505	155	163	600	585
506	163	164	601	600
507	164	165	602	601
508	165	161	595	602
509	585	600	603	586
510	600	601	604	603

511	601	602	605	604
512	602	595	596	605
513	586	603	599	584
514	603	604	598	599
515	604	605	597	598
516	605	596	594	597
517	584	599	608	590
518	599	598	609	608
519	598	597	610	609
520	597	594	606	610
521	590	608	611	591
522	608	609	612	611
523	609	610	613	612
524	610	606	607	613
525	591	611	329	320
526	611	612	330	329
527	612	613	331	330
528	613	607	328	331
529	161	175	620	595
530	175	176	621	620
531	176	177	622	621
532	177	173	615	622
533	595	620	623	596
534	620	621	624	623
535	621	622	625	624
536	622	615	616	625
537	596	623	619	594
538	623	624	618	619
539	624	625	617	618
540	625	616	614	617
541	594	619	628	606
542	619	618	629	628
543	618	617	630	629
544	617	614	626	630
545	606	628	631	607
546	628	629	632	631
547	629	630	633	632
548	630	626	627	633
549	607	631	345	328
550	631	632	346	345
551	632	633	347	346
552	633	627	344	347
553	173	187	638	615
554	187	185	635	638
555	615	638	639	616
556	638	635	636	639
557	616	639	637	614
558	639	636	634	637
559	614	637	642	626
560	637	634	640	642
561	626	642	643	627
562	642	640	641	643
563	627	643	361	344
564	643	641	360	361
565	185	193	648	635
566	193	191	645	648
567	635	648	649	636
568	648	645	646	649
569	636	649	647	634
570	649	646	644	647
571	634	647	652	640
572	647	644	650	652
573	640	652	653	641
574	652	650	651	653
575	641	653	369	360
576	653	651	368	369
577	191	199	660	645
578	199	200	661	660
579	200	201	662	661
580	201	197	655	662
581	645	660	663	646
582	660	661	664	663
583	661	662	665	664
584	662	655	656	665
585	646	663	659	644
586	663	664	658	659
587	664	665	657	658
588	665	656	654	657
589	644	659	668	650
590	659	658	669	668
591	658	657	670	669
592	657	654	666	670
593	650	668	671	651
594	668	669	672	671
595	669	670	673	672
596	670	666	667	673
597	651	671	377	368
598	671	672	378	377
599	672	673	379	378
600	673	667	376	379
601	197	211	680	655
602	211	212	681	680
603	212	213	682	681
604	213	209	675	682
605	655	680	683	656
606	680	681	684	683
607	681	682	685	684
608	682	675	676	685

609	656	683	679	654
610	683	684	678	679
611	684	685	677	678
612	685	676	674	677
613	654	679	688	666
614	679	678	689	688
615	678	677	690	689
616	677	674	686	690
617	666	688	691	667
618	688	689	692	691
619	689	690	693	692
620	690	686	687	693
621	667	691	393	376
622	691	692	394	393
623	692	693	395	394
624	693	687	392	395
625	209	221	695	675
626	675	695	696	676
627	676	696	694	674
628	674	694	697	686
629	686	697	698	687
630	687	698	408	392
631	221	226	704	695
632	226	227	705	704
633	227	224	700	705
634	695	704	706	696
635	704	705	707	706
636	705	700	701	707
637	696	706	703	694
638	706	707	702	703
639	707	701	699	702
640	694	703	710	697
641	703	702	711	710
642	702	699	708	711
643	697	710	712	698
644	710	711	713	712
645	711	708	709	713
646	698	712	413	408
647	712	713	414	413
648	713	709	412	414
649	224	235	720	700
650	235	236	721	720
651	236	237	722	721
652	237	233	715	722
653	700	720	723	701
654	720	721	724	723
655	721	722	725	724
656	722	715	716	725
657	701	723	719	699
658	723	724	718	719
659	724	725	717	718
660	725	716	714	717
661	699	719	728	708
662	719	718	729	728
663	718	717	730	729
664	717	714	726	730
665	708	728	731	709
666	728	729	732	731
667	729	730	733	732
668	730	726	727	733
669	709	731	425	412
670	731	732	426	425
671	732	733	427	426
672	733	727	424	427

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS		
	ELEMENTS		
PM3			
1015	1417	1418	1419

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS	END CONDITIONS (C=CONSTRAINED, F=FREE, R=RESTRAINED)	
	ELEMENTS		
BMI21			
49	101	102	105
50	102	103	106
51	103	104	107
52	104	99	108
61	99	115	117
62	115	116	118
63	116	113	119
70	113	122	124
73	122	127	130
74	127	128	131
75	128	129	132
76	129	125	133

85	125	139	142
86	139	140	143
87	140	141	144
88	141	137	145
97	137	151	152
98	151	149	153
103	149	157	158
104	157	155	159
109	155	163	166
110	163	164	167
111	164	165	168
112	165	161	169
121	161	175	178
122	175	176	179
123	176	177	180
124	177	173	181
133	173	187	188
134	187	185	189
139	185	193	194
140	193	191	195
145	191	199	202
146	199	200	203
147	200	201	204
148	201	197	205
157	197	211	214
158	211	212	215
159	212	213	216
160	213	209	217
169	209	221	223
172	221	226	228
173	226	227	229
174	227	224	230
181	224	235	238
182	235	236	239
183	236	237	240
184	237	233	241
193	245	247	250
194	247	248	251
195	248	249	252
196	249	246	253
205	246	265	267
206	265	266	268
207	266	264	269
214	264	276	277
217	276	281	284
218	281	282	285
219	282	283	286
220	283	280	287
229	280	297	300
230	297	298	301
231	298	299	302
232	299	296	303
241	296	313	314
242	313	312	315
247	312	321	322
248	321	320	323
253	320	329	332
254	329	330	333
255	330	331	334
256	331	328	335
265	328	345	348
266	345	346	349
267	346	347	350
268	347	344	351
277	344	361	362
278	361	360	363
283	360	369	370
284	369	368	371
289	368	377	380
290	377	378	381
291	378	379	382
292	379	376	383
301	376	393	396
302	393	394	397
303	394	395	398
304	395	392	399
313	392	408	409
316	408	413	415
317	413	414	416
318	414	412	417
325	412	425	428
326	425	426	429
327	426	427	430
328	427	424	431
673	101	735	736
674	735	734	737
675	99	739	740
676	739	738	741
677	122	743	744
678	743	742	745
679	125	747	748
680	747	746	749
681	137	751	752
682	751	750	753
683	155	755	756
684	755	754	757
685	161	759	760
686	759	758	761



687	173	763	764
688	763	762	765
689	191	767	768
690	767	766	769
691	197	771	772
692	771	770	773
693	209	775	776
694	775	774	777
695	224	779	780
696	779	778	781
697	233	783	784
698	783	782	785
699	245	787	788
700	787	786	789
701	246	791	792
702	791	790	793
703	276	795	796
704	795	794	797
705	280	799	800
706	799	798	801
707	296	803	804
708	803	802	805
709	320	807	808
710	807	806	809
711	328	811	812
712	811	810	813
713	344	815	816
714	815	814	817
715	368	819	820
716	819	818	821
717	376	823	824
718	823	822	825
719	392	827	828
720	827	826	829
721	412	831	832
722	831	830	833
723	424	835	836
724	835	834	837
725	734	839	840
726	839	838	841
727	782	843	844
728	843	842	845
729	786	847	848
730	847	846	849
731	834	851	852
732	851	850	853
733	738	855	856
734	855	854	857
735	742	859	860
736	859	858	861
737	746	863	864
738	863	862	865
739	750	867	868
740	867	866	869
741	754	871	872
742	871	870	873
743	758	875	876
744	875	874	877
745	762	879	880
746	879	878	881
747	766	883	884
748	883	882	885
749	770	887	888
750	887	886	889
751	774	891	892
752	891	890	893
753	778	895	896
754	895	894	897
755	790	899	900
756	899	898	901
757	794	903	904
758	903	902	905
759	798	907	908
760	907	906	909
761	802	911	912
762	911	910	913
763	806	915	916
764	915	914	917
765	810	919	920
766	919	918	921
767	814	923	924
768	923	922	925
769	818	927	928
770	927	926	929
771	822	931	932
772	931	930	933
773	826	935	936
774	935	934	937
775	830	939	940
776	939	938	941
777	838	942	948
778	942	943	949
779	943	944	950
780	944	945	951
781	945	946	952
782	946	947	953
783	947	846	954
784	842	955	961

785	955	956	962
786	956	957	963
787	957	958	964
788	958	959	965
789	959	960	966
790	960	850	967
791	854	968	974
792	968	969	975
793	969	970	976
794	970	971	977
795	971	972	978
796	972	973	979
797	973	898	980
798	858	981	987
799	981	982	988
800	982	983	989
801	983	984	990
802	984	985	991
803	985	986	992
804	986	902	993
805	862	994	1000
806	994	995	1001
807	995	996	1002
808	996	997	1003
809	997	998	1004
810	998	999	1005
811	999	906	1006
812	866	1007	1013
813	1007	1008	1014
814	1008	1009	1015
815	1009	1010	1016
816	1010	1011	1017
817	1011	1012	1018
818	1012	910	1019
819	870	1020	1026
820	1020	1021	1027
821	1021	1022	1028
822	1022	1023	1029
823	1023	1024	1030
824	1024	1025	1031
825	1025	914	1032
826	874	1033	1039
827	1033	1034	1040
828	1034	1035	1041
829	1035	1036	1042
830	1036	1037	1043
831	1037	1038	1044
832	1038	918	1045
833	878	1046	1052
834	1046	1047	1053
835	1047	1048	1054
836	1048	1049	1055
837	1049	1050	1056
838	1050	1051	1057
839	1051	922	1058
840	882	1059	1065
841	1059	1060	1066
842	1060	1061	1067
843	1061	1062	1068
844	1062	1063	1069
845	1063	1064	1070
846	1064	926	1071
847	886	1072	1078
848	1072	1073	1079
849	1073	1074	1080
850	1074	1075	1081
851	1075	1076	1082
852	1076	1077	1083
853	1077	930	1084
854	890	1085	1091
855	1085	1086	1092
856	1086	1087	1093
857	1087	1088	1094
858	1088	1089	1095
859	1089	1090	1096
860	1090	934	1097
861	894	1098	1104
862	1098	1099	1105
863	1099	1100	1106
864	1100	1101	1107
865	1101	1102	1108
866	1102	1103	1109
867	1103	938	1110
868	1111	1113	1114
869	1113	1112	1115
870	854	1116	1117
871	1116	1111	1118
872	1119	1121	1122
873	1121	1120	1123
874	858	1124	1125
875	1124	1119	1126
876	1127	1129	1130
877	1129	1128	1131
878	862	1132	1133
879	1132	1127	1134
880	1135	1137	1138
881	1137	1136	1139
882	866	1140	1141

883	1140	1135	1142
884	1143	1145	1146
885	1145	1144	1147
886	870	1148	1149
887	1148	1143	1150
888	1151	1153	1154
889	1153	1152	1155
890	874	1156	1157
891	1156	1151	1158
892	1159	1161	1162
893	1161	1160	1163
894	878	1164	1165
895	1164	1159	1166
896	1167	1169	1170
897	1169	1168	1171
898	882	1172	1173
899	1172	1167	1174
900	1175	1177	1178
901	1177	1176	1179
902	886	1180	1181
903	1180	1175	1182
904	1183	1185	1186
905	1185	1184	1187
906	890	1188	1189
907	1188	1183	1190
908	1191	1193	1194
909	1193	1192	1195
910	894	1196	1197
911	1196	1191	1198
912	1199	1201	1202
913	1201	1200	1203
914	898	1204	1205
915	1204	1199	1206
916	1207	1209	1210
917	1209	1208	1211
918	902	1212	1213
919	1212	1207	1214
920	1215	1217	1218
921	1217	1216	1219
922	906	1220	1221
923	1220	1215	1222
924	1223	1225	1226
925	1225	1224	1227
926	910	1228	1229
927	1228	1223	1230
928	1231	1233	1234
929	1233	1232	1235
930	914	1236	1237
931	1236	1231	1238
932	1239	1241	1242
933	1241	1240	1243
934	918	1244	1245
935	1244	1239	1246
936	1247	1249	1250
937	1249	1248	1251
938	922	1252	1253
939	1252	1247	1254
940	1255	1257	1258
941	1257	1256	1259
942	926	1260	1261
943	1260	1255	1262
944	1263	1265	1266
945	1265	1264	1267
946	930	1268	1269
947	1268	1263	1270
948	1271	1273	1274
949	1273	1272	1275
950	934	1276	1277
951	1276	1271	1278
952	1279	1281	1282
953	1281	1280	1283
954	938	1284	1285
955	1284	1279	1286
956	1287	1289	1290
957	1289	1288	1291
958	838	1292	1293
959	1292	1287	1294
960	1295	1297	1298
961	1297	1296	1299
962	846	1300	1301
963	1300	1295	1302
964	1303	1305	1306
965	1305	1304	1307
966	842	1308	1309
967	1308	1303	1310
968	1311	1313	1314
969	1313	1312	1315
970	850	1316	1317
971	1316	1311	1318
972	1319	1320	1321
973	1322	1323	1324
974	1325	1326	1327
975	1328	1329	1330
976	1331	1332	1333
977	1334	1336	1342
978	1336	1337	1343
979	1337	1338	1344
980	1338	1339	1345

981	1339	1340	1346
982	1340	1341	1347
983	1341	1335	1348
984	1335	1350	1357
985	1350	1351	1358
986	1351	1352	1359
987	1352	1353	1360
988	1353	1354	1361
989	1354	1355	1362
990	1355	1356	1363
991	1356	1349	1364
992	1365	1367	1373
993	1367	1368	1374
994	1368	1369	1375
995	1369	1370	1376
996	1370	1371	1377
997	1371	1372	1378
998	1372	1366	1379
999	1366	1381	1388
1000	1381	1382	1389
1001	1382	1383	1390
1002	1383	1384	1391
1003	1384	1385	1392
1004	1385	1386	1393
1005	1386	1387	1394
1006	1387	1380	1395
1007	1396	1397	1400
1008	1397	1398	1401
1009	1398	1399	1402
1010	1399	1334	1403
1011	1404	1405	1408
1012	1405	1406	1409
1013	1406	1407	1410
1014	1407	1365	1411

TOTAL NUMBER OF ELEMENTS	=	1026
LARGEST ELEMENT NUMBER	=	1026
LARGEST NODE NUMBER	=	1447

DEFAULT SOLVER CHOSEN

NODE COORDINATES

NODE NO.	COORDINATE IN	COORDINATE IN	COORDINATE IN
	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
	M	M	M
1	0.000000E+00	0.000000E+00	0.000000E+00
2	3.87500	0.000000E+00	0.000000E+00
3	0.968750	0.000000E+00	0.000000E+00
4	1.93750	0.000000E+00	0.000000E+00
5	2.90625	0.000000E+00	0.000000E+00
6	4.13700	0.750000	0.000000E+00
7	0.262000	0.750000	0.000000E+00
8	1.23075	0.750000	0.000000E+00
9	2.19950	0.750000	0.000000E+00
10	3.16825	0.750000	0.000000E+00
11	7.25000	0.000000E+00	0.000000E+00
12	5.00000	0.000000E+00	0.000000E+00
13	6.12500	0.000000E+00	0.000000E+00
14	7.51200	0.750000	0.000000E+00
15	5.26200	0.750000	0.000000E+00
16	6.38700	0.750000	0.000000E+00
17	7.75000	0.000000E+00	0.000000E+00
18	8.01200	0.750000	0.000000E+00
19	11.6250	0.000000E+00	0.000000E+00
20	8.71875	0.000000E+00	0.000000E+00
21	9.68750	0.000000E+00	0.000000E+00
22	10.6562	0.000000E+00	0.000000E+00
23	11.8870	0.750000	0.000000E+00
24	8.98075	0.750000	0.000000E+00
25	9.94950	0.750000	0.000000E+00
26	10.9182	0.750000	0.000000E+00
27	15.5000	0.000000E+00	0.000000E+00
28	12.5938	0.000000E+00	0.000000E+00
29	13.5625	0.000000E+00	0.000000E+00
30	14.5313	0.000000E+00	0.000000E+00
31	15.7620	0.750000	0.000000E+00
32	12.8557	0.750000	0.000000E+00
33	13.8245	0.750000	0.000000E+00
34	14.7933	0.750000	0.000000E+00
35	17.2500	0.000000E+00	0.000000E+00
36	16.3750	0.000000E+00	0.000000E+00
37	17.5120	0.750000	0.000000E+00
38	16.6370	0.750000	0.000000E+00
39	19.3750	0.000000E+00	0.000000E+00
40	18.3125	0.000000E+00	0.000000E+00
41	19.6370	0.750000	0.000000E+00
42	18.5745	0.750000	0.000000E+00
43	23.2500	0.000000E+00	0.000000E+00
44	20.3438	0.000000E+00	0.000000E+00
45	21.3125	0.000000E+00	0.000000E+00

46	22.2813	0.000000E+00	0.000000E+00
47	23.5120	0.750000	0.000000E+00
48	20.6058	0.750000	0.000000E+00
49	21.5745	0.750000	0.000000E+00
50	22.5433	0.750000	0.000000E+00
51	27.1250	0.000000E+00	0.000000E+00
52	24.2187	0.000000E+00	0.000000E+00
53	25.1875	0.000000E+00	0.000000E+00
54	26.1563	0.000000E+00	0.000000E+00
55	27.3870	0.750000	0.000000E+00
56	24.4807	0.750000	0.000000E+00
57	25.4495	0.750000	0.000000E+00
58	26.4183	0.750000	0.000000E+00
59	29.2500	0.000000E+00	0.000000E+00
60	28.1875	0.000000E+00	0.000000E+00
61	29.5120	0.750000	0.000000E+00
62	28.4495	0.750000	0.000000E+00
63	31.0000	0.000000E+00	0.000000E+00
64	30.1250	0.000000E+00	0.000000E+00
65	31.2620	0.750000	0.000000E+00
66	30.3870	0.750000	0.000000E+00
67	34.8750	0.000000E+00	0.000000E+00
68	31.9687	0.000000E+00	0.000000E+00
69	32.9375	0.000000E+00	0.000000E+00
70	33.9062	0.000000E+00	0.000000E+00
71	35.1370	0.750000	0.000000E+00
72	32.2308	0.750000	0.000000E+00
73	33.1995	0.750000	0.000000E+00
74	34.1682	0.750000	0.000000E+00
75	38.7500	0.000000E+00	0.000000E+00
76	35.8438	0.000000E+00	0.000000E+00
77	36.8125	0.000000E+00	0.000000E+00
78	37.7813	0.000000E+00	0.000000E+00
79	39.0120	0.750000	0.000000E+00
80	36.1058	0.750000	0.000000E+00
81	37.0745	0.750000	0.000000E+00
82	38.0433	0.750000	0.000000E+00
83	39.2500	0.000000E+00	0.000000E+00
84	39.5120	0.750000	0.000000E+00
85	42.6250	0.000000E+00	0.000000E+00
86	40.3750	0.000000E+00	0.000000E+00
87	41.5000	0.000000E+00	0.000000E+00
88	42.8870	0.750000	0.000000E+00
89	40.6370	0.750000	0.000000E+00
90	41.7620	0.750000	0.000000E+00
91	46.5000	0.000000E+00	0.000000E+00
92	43.5938	0.000000E+00	0.000000E+00
93	44.5625	0.000000E+00	0.000000E+00
94	45.5312	0.000000E+00	0.000000E+00
95	46.7620	0.750000	0.000000E+00
96	43.8557	0.750000	0.000000E+00
97	44.8245	0.750000	0.000000E+00
98	45.7933	0.750000	0.000000E+00
99	4.76600	2.55000	0.000000E+00
100	4.45150	1.65000	0.000000E+00
101	0.891000	2.55000	0.000000E+00
102	1.85975	2.55000	0.000000E+00
103	2.82850	2.55000	0.000000E+00
104	3.79725	2.55000	0.000000E+00
105	0.891000	3.55000	0.000000E+00
106	1.85975	3.55000	0.000000E+00
107	2.82850	3.55000	0.000000E+00
108	3.79725	3.55000	0.000000E+00
109	0.576500	1.65000	0.000000E+00
110	1.54525	1.65000	0.000000E+00
111	2.51400	1.65000	0.000000E+00
112	3.48275	1.65000	0.000000E+00
113	8.14100	2.55000	0.000000E+00
114	7.82650	1.65000	0.000000E+00
115	5.89100	2.55000	0.000000E+00
116	7.01600	2.55000	0.000000E+00
117	4.76600	3.55000	0.000000E+00
118	5.89100	3.55000	0.000000E+00
119	7.01600	3.55000	0.000000E+00
120	5.57650	1.65000	0.000000E+00
121	6.70150	1.65000	0.000000E+00
122	8.64100	2.55000	0.000000E+00
123	8.32650	1.65000	0.000000E+00
124	8.14100	3.55000	0.000000E+00
125	12.5160	2.55000	0.000000E+00
126	12.2015	1.65000	0.000000E+00
127	9.60975	2.55000	0.000000E+00
128	10.5785	2.55000	0.000000E+00
129	11.5473	2.55000	0.000000E+00
130	8.64100	3.55000	0.000000E+00
131	9.60975	3.55000	0.000000E+00
132	10.5785	3.55000	0.000000E+00
133	11.5473	3.55000	0.000000E+00
134	9.29525	1.65000	0.000000E+00
135	10.2640	1.65000	0.000000E+00
136	11.2327	1.65000	0.000000E+00
137	16.3910	2.55000	0.000000E+00
138	16.0765	1.65000	0.000000E+00
139	13.4848	2.55000	0.000000E+00
140	14.4535	2.55000	0.000000E+00
141	15.4223	2.55000	0.000000E+00
142	12.5160	3.55000	0.000000E+00
143	13.4848	3.55000	0.000000E+00

144	14.4535	3.55000	0.00000E+00
145	15.4223	3.55000	0.00000E+00
146	13.1702	1.65000	0.00000E+00
147	14.1390	1.65000	0.00000E+00
148	15.1078	1.65000	0.00000E+00
149	18.1410	2.55000	0.00000E+00
150	17.8265	1.65000	0.00000E+00
151	17.2660	2.55000	0.00000E+00
152	16.3910	3.55000	0.00000E+00
153	17.2660	3.55000	0.00000E+00
154	16.9515	1.65000	0.00000E+00
155	20.2660	2.55000	0.00000E+00
156	19.9515	1.65000	0.00000E+00
157	19.2035	2.55000	0.00000E+00
158	18.1410	3.55000	0.00000E+00
159	19.2035	3.55000	0.00000E+00
160	18.8890	1.65000	0.00000E+00
161	24.1410	2.55000	0.00000E+00
162	23.8265	1.65000	0.00000E+00
163	21.2347	2.55000	0.00000E+00
164	22.2035	2.55000	0.00000E+00
165	23.1722	2.55000	0.00000E+00
166	20.2660	3.55000	0.00000E+00
167	21.2347	3.55000	0.00000E+00
168	22.2035	3.55000	0.00000E+00
169	23.1722	3.55000	0.00000E+00
170	20.9202	1.65000	0.00000E+00
171	21.8890	1.65000	0.00000E+00
172	22.8578	1.65000	0.00000E+00
173	28.0160	2.55000	0.00000E+00
174	27.7015	1.65000	0.00000E+00
175	25.1097	2.55000	0.00000E+00
176	26.0785	2.55000	0.00000E+00
177	27.0473	2.55000	0.00000E+00
178	24.1410	3.55000	0.00000E+00
179	25.1097	3.55000	0.00000E+00
180	26.0785	3.55000	0.00000E+00
181	27.0473	3.55000	0.00000E+00
182	24.7952	1.65000	0.00000E+00
183	25.7640	1.65000	0.00000E+00
184	26.7328	1.65000	0.00000E+00
185	30.1410	2.55000	0.00000E+00
186	29.8265	1.65000	0.00000E+00
187	29.0785	2.55000	0.00000E+00
188	28.0160	3.55000	0.00000E+00
189	29.0785	3.55000	0.00000E+00
190	28.7640	1.65000	0.00000E+00
191	31.8910	2.55000	0.00000E+00
192	31.5765	1.65000	0.00000E+00
193	31.0160	2.55000	0.00000E+00
194	30.1410	3.55000	0.00000E+00
195	31.0160	3.55000	0.00000E+00
196	30.7015	1.65000	0.00000E+00
197	35.7660	2.55000	0.00000E+00
198	35.4515	1.65000	0.00000E+00
199	32.8597	2.55000	0.00000E+00
200	33.8285	2.55000	0.00000E+00
201	34.7972	2.55000	0.00000E+00
202	31.8910	3.55000	0.00000E+00
203	32.8597	3.55000	0.00000E+00
204	33.8285	3.55000	0.00000E+00
205	34.7972	3.55000	0.00000E+00
206	32.5453	1.65000	0.00000E+00
207	33.5140	1.65000	0.00000E+00
208	34.4827	1.65000	0.00000E+00
209	39.6410	2.55000	0.00000E+00
210	39.3265	1.65000	0.00000E+00
211	36.7347	2.55000	0.00000E+00
212	37.7035	2.55000	0.00000E+00
213	38.6723	2.55000	0.00000E+00
214	35.7660	3.55000	0.00000E+00
215	36.7347	3.55000	0.00000E+00
216	37.7035	3.55000	0.00000E+00
217	38.6723	3.55000	0.00000E+00
218	36.4202	1.65000	0.00000E+00
219	37.3890	1.65000	0.00000E+00
220	38.3578	1.65000	0.00000E+00
221	40.1410	2.55000	0.00000E+00
222	39.8265	1.65000	0.00000E+00
223	39.6410	3.55000	0.00000E+00
224	43.5160	2.55000	0.00000E+00
225	43.2015	1.65000	0.00000E+00
226	41.2660	2.55000	0.00000E+00
227	42.3910	2.55000	0.00000E+00
228	40.1410	3.55000	0.00000E+00
229	41.2660	3.55000	0.00000E+00
230	42.3910	3.55000	0.00000E+00
231	40.9515	1.65000	0.00000E+00
232	42.0765	1.65000	0.00000E+00
233	47.3910	2.55000	0.00000E+00
234	47.0765	1.65000	0.00000E+00
235	44.4848	2.55000	0.00000E+00
236	45.4535	2.55000	0.00000E+00
237	46.4222	2.55000	0.00000E+00
238	43.5160	3.55000	0.00000E+00
239	44.4848	3.55000	0.00000E+00
240	45.4535	3.55000	0.00000E+00
241	46.4222	3.55000	0.00000E+00

242	44.1702	1.65000	0.000000E+00
243	45.1390	1.65000	0.000000E+00
244	46.1077	1.65000	0.000000E+00
245	3.18000	9.10000	0.000000E+00
246	7.05500	9.10000	0.000000E+00
247	4.14875	9.10000	0.000000E+00
248	5.11750	9.10000	0.000000E+00
249	6.08625	9.10000	0.000000E+00
250	3.18000	10.1000	0.000000E+00
251	4.14875	10.1000	0.000000E+00
252	5.11750	10.1000	0.000000E+00
253	6.08625	10.1000	0.000000E+00
254	7.61400	10.7000	0.000000E+00
255	7.33450	9.90000	0.000000E+00
256	3.73900	10.7000	0.000000E+00
257	4.70775	10.7000	0.000000E+00
258	5.67650	10.7000	0.000000E+00
259	6.64525	10.7000	0.000000E+00
260	3.45950	9.90000	0.000000E+00
261	4.42825	9.90000	0.000000E+00
262	5.39700	9.90000	0.000000E+00
263	6.36575	9.90000	0.000000E+00
264	10.4300	9.10000	0.000000E+00
265	8.18000	9.10000	0.000000E+00
266	9.30500	9.10000	0.000000E+00
267	7.05500	10.1000	0.000000E+00
268	8.18000	10.1000	0.000000E+00
269	9.30500	10.1000	0.000000E+00
270	10.9890	10.7000	0.000000E+00
271	10.7095	9.90000	0.000000E+00
272	8.73900	10.7000	0.000000E+00
273	9.86400	10.7000	0.000000E+00
274	8.45950	9.90000	0.000000E+00
275	9.58450	9.90000	0.000000E+00
276	10.9300	9.10000	0.000000E+00
277	10.4300	10.1000	0.000000E+00
278	11.4890	10.7000	0.000000E+00
279	11.2095	9.90000	0.000000E+00
280	14.8050	9.10000	0.000000E+00
281	11.8987	9.10000	0.000000E+00
282	12.8675	9.10000	0.000000E+00
283	13.8362	9.10000	0.000000E+00
284	10.9300	10.1000	0.000000E+00
285	11.8987	10.1000	0.000000E+00
286	12.8675	10.1000	0.000000E+00
287	13.8362	10.1000	0.000000E+00
288	15.3640	10.7000	0.000000E+00
289	15.0845	9.90000	0.000000E+00
290	12.4577	10.7000	0.000000E+00
291	13.4265	10.7000	0.000000E+00
292	14.3952	10.7000	0.000000E+00
293	12.1782	9.90000	0.000000E+00
294	13.1470	9.90000	0.000000E+00
295	14.1157	9.90000	0.000000E+00
296	18.6800	9.10000	0.000000E+00
297	15.7737	9.10000	0.000000E+00
298	16.7425	9.10000	0.000000E+00
299	17.7113	9.10000	0.000000E+00
300	14.8050	10.1000	0.000000E+00
301	15.7737	10.1000	0.000000E+00
302	16.7425	10.1000	0.000000E+00
303	17.7113	10.1000	0.000000E+00
304	19.2390	10.7000	0.000000E+00
305	18.9595	9.90000	0.000000E+00
306	16.3328	10.7000	0.000000E+00
307	17.3015	10.7000	0.000000E+00
308	18.2703	10.7000	0.000000E+00
309	16.0532	9.90000	0.000000E+00
310	17.0220	9.90000	0.000000E+00
311	17.9908	9.90000	0.000000E+00
312	20.4300	9.10000	0.000000E+00
313	19.5550	9.10000	0.000000E+00
314	18.6800	10.1000	0.000000E+00
315	19.5550	10.1000	0.000000E+00
316	20.9890	10.7000	0.000000E+00
317	20.7095	9.90000	0.000000E+00
318	20.1140	10.7000	0.000000E+00
319	19.8345	9.90000	0.000000E+00
320	22.5550	9.10000	0.000000E+00
321	21.4925	9.10000	0.000000E+00
322	20.4300	10.1000	0.000000E+00
323	21.4925	10.1000	0.000000E+00
324	23.1140	10.7000	0.000000E+00
325	22.8345	9.90000	0.000000E+00
326	22.0515	10.7000	0.000000E+00
327	21.7720	9.90000	0.000000E+00
328	26.4300	9.10000	0.000000E+00
329	23.5237	9.10000	0.000000E+00
330	24.4925	9.10000	0.000000E+00
331	25.4612	9.10000	0.000000E+00
332	22.5550	10.1000	0.000000E+00
333	23.5237	10.1000	0.000000E+00
334	24.4925	10.1000	0.000000E+00
335	25.4612	10.1000	0.000000E+00
336	26.9890	10.7000	0.000000E+00
337	26.7095	9.90000	0.000000E+00
338	24.0827	10.7000	0.000000E+00
339	25.0515	10.7000	0.000000E+00

340	26.0202	10.7000	0.000000E+00
341	23.8032	9.90000	0.000000E+00
342	24.7720	9.90000	0.000000E+00
343	25.7407	9.90000	0.000000E+00
344	30.3050	9.10000	0.000000E+00
345	27.3987	9.10000	0.000000E+00
346	28.3675	9.10000	0.000000E+00
347	29.3363	9.10000	0.000000E+00
348	26.4300	10.1000	0.000000E+00
349	27.3987	10.1000	0.000000E+00
350	28.3675	10.1000	0.000000E+00
351	29.3363	10.1000	0.000000E+00
352	30.8640	10.7000	0.000000E+00
353	30.5845	9.90000	0.000000E+00
354	27.9577	10.7000	0.000000E+00
355	28.9265	10.7000	0.000000E+00
356	29.8953	10.7000	0.000000E+00
357	27.6783	9.90000	0.000000E+00
358	28.6470	9.90000	0.000000E+00
359	29.6158	9.90000	0.000000E+00
360	32.4300	9.10000	0.000000E+00
361	31.3675	9.10000	0.000000E+00
362	30.3050	10.1000	0.000000E+00
363	31.3675	10.1000	0.000000E+00
364	32.9890	10.7000	0.000000E+00
365	32.7095	9.90000	0.000000E+00
366	31.9265	10.7000	0.000000E+00
367	31.6470	9.90000	0.000000E+00
368	34.1800	9.10000	0.000000E+00
369	33.3050	9.10000	0.000000E+00
370	32.4300	10.1000	0.000000E+00
371	33.3050	10.1000	0.000000E+00
372	34.7390	10.7000	0.000000E+00
373	34.4595	9.90000	0.000000E+00
374	33.8640	10.7000	0.000000E+00
375	33.5845	9.90000	0.000000E+00
376	38.0550	9.10000	0.000000E+00
377	35.1487	9.10000	0.000000E+00
378	36.1175	9.10000	0.000000E+00
379	37.0862	9.10000	0.000000E+00
380	34.1800	10.1000	0.000000E+00
381	35.1487	10.1000	0.000000E+00
382	36.1175	10.1000	0.000000E+00
383	37.0862	10.1000	0.000000E+00
384	38.6140	10.7000	0.000000E+00
385	38.3345	9.90000	0.000000E+00
386	35.7077	10.7000	0.000000E+00
387	36.6765	10.7000	0.000000E+00
388	37.6453	10.7000	0.000000E+00
389	35.4282	9.90000	0.000000E+00
390	36.3970	9.90000	0.000000E+00
391	37.3657	9.90000	0.000000E+00
392	41.9300	9.10000	0.000000E+00
393	39.0237	9.10000	0.000000E+00
394	39.9925	9.10000	0.000000E+00
395	40.9613	9.10000	0.000000E+00
396	38.0550	10.1000	0.000000E+00
397	39.0237	10.1000	0.000000E+00
398	39.9925	10.1000	0.000000E+00
399	40.9613	10.1000	0.000000E+00
400	42.4890	10.7000	0.000000E+00
401	42.2095	9.90000	0.000000E+00
402	39.5827	10.7000	0.000000E+00
403	40.5515	10.7000	0.000000E+00
404	41.5203	10.7000	0.000000E+00
405	39.3032	9.90000	0.000000E+00
406	40.2720	9.90000	0.000000E+00
407	41.2408	9.90000	0.000000E+00
408	42.4300	9.10000	0.000000E+00
409	41.9300	10.1000	0.000000E+00
410	42.9890	10.7000	0.000000E+00
411	42.7095	9.90000	0.000000E+00
412	45.8050	9.10000	0.000000E+00
413	43.5550	9.10000	0.000000E+00
414	44.6800	9.10000	0.000000E+00
415	42.4300	10.1000	0.000000E+00
416	43.5550	10.1000	0.000000E+00
417	44.6800	10.1000	0.000000E+00
418	46.3640	10.7000	0.000000E+00
419	46.0845	9.90000	0.000000E+00
420	44.1140	10.7000	0.000000E+00
421	45.2390	10.7000	0.000000E+00
422	43.8345	9.90000	0.000000E+00
423	44.9595	9.90000	0.000000E+00
424	49.6800	9.10000	0.000000E+00
425	46.7737	9.10000	0.000000E+00
426	47.7425	9.10000	0.000000E+00
427	48.7112	9.10000	0.000000E+00
428	45.8050	10.1000	0.000000E+00
429	46.7737	10.1000	0.000000E+00
430	47.7425	10.1000	0.000000E+00
431	48.7112	10.1000	0.000000E+00
432	50.2390	10.7000	0.000000E+00
433	49.9595	9.90000	0.000000E+00
434	47.3328	10.7000	0.000000E+00
435	48.3015	10.7000	0.000000E+00
436	49.2702	10.7000	0.000000E+00
437	47.0533	9.90000	0.000000E+00



438	48.0220	9.90000	0.000000E+00
439	48.9907	9.90000	0.000000E+00
440	7.87600	11.4500	0.000000E+00
441	4.00100	11.4500	0.000000E+00
442	4.96975	11.4500	0.000000E+00
443	5.93850	11.4500	0.000000E+00
444	6.90725	11.4500	0.000000E+00
445	11.2510	11.4500	0.000000E+00
446	9.00100	11.4500	0.000000E+00
447	10.1260	11.4500	0.000000E+00
448	11.7510	11.4500	0.000000E+00
449	15.6260	11.4500	0.000000E+00
450	12.7197	11.4500	0.000000E+00
451	13.6885	11.4500	0.000000E+00
452	14.6572	11.4500	0.000000E+00
453	19.5010	11.4500	0.000000E+00
454	16.5948	11.4500	0.000000E+00
455	17.5635	11.4500	0.000000E+00
456	18.5323	11.4500	0.000000E+00
457	21.2510	11.4500	0.000000E+00
458	20.3760	11.4500	0.000000E+00
459	23.3760	11.4500	0.000000E+00
460	22.3135	11.4500	0.000000E+00
461	27.2510	11.4500	0.000000E+00
462	24.3447	11.4500	0.000000E+00
463	25.3135	11.4500	0.000000E+00
464	26.2823	11.4500	0.000000E+00
465	31.1260	11.4500	0.000000E+00
466	28.2197	11.4500	0.000000E+00
467	29.1885	11.4500	0.000000E+00
468	30.1573	11.4500	0.000000E+00
469	33.2510	11.4500	0.000000E+00
470	32.1885	11.4500	0.000000E+00
471	35.0010	11.4500	0.000000E+00
472	34.1260	11.4500	0.000000E+00
473	38.8760	11.4500	0.000000E+00
474	35.9697	11.4500	0.000000E+00
475	36.9385	11.4500	0.000000E+00
476	37.9073	11.4500	0.000000E+00
477	42.7510	11.4500	0.000000E+00
478	39.8447	11.4500	0.000000E+00
479	40.8135	11.4500	0.000000E+00
480	41.7823	11.4500	0.000000E+00
481	43.2510	11.4500	0.000000E+00
482	46.6260	11.4500	0.000000E+00
483	44.3760	11.4500	0.000000E+00
484	45.5010	11.4500	0.000000E+00
485	50.5010	11.4500	0.000000E+00
486	47.5948	11.4500	0.000000E+00
487	48.5635	11.4500	0.000000E+00
488	49.5323	11.4500	0.000000E+00
489	5.91050	5.82500	0.000000E+00
490	5.14750	3.64167	0.000000E+00
491	5.52900	4.73333	0.000000E+00
492	2.03550	5.82500	0.000000E+00
493	4.94175	5.82500	0.000000E+00
494	3.97300	5.82500	0.000000E+00
495	3.00425	5.82500	0.000000E+00
496	1.27250	3.64167	0.000000E+00
497	1.65400	4.73333	0.000000E+00
498	2.24125	3.64167	0.000000E+00
499	3.21000	3.64167	0.000000E+00
500	4.17875	3.64167	0.000000E+00
501	2.62275	4.73333	0.000000E+00
502	3.59150	4.73333	0.000000E+00
503	4.56025	4.73333	0.000000E+00
504	6.29200	6.91667	0.000000E+00
505	6.67350	8.00833	0.000000E+00
506	2.41700	6.91667	0.000000E+00
507	2.79850	8.00833	0.000000E+00
508	3.38575	6.91667	0.000000E+00
509	4.35450	6.91667	0.000000E+00
510	5.32325	6.91667	0.000000E+00
511	3.76725	8.00833	0.000000E+00
512	4.73600	8.00833	0.000000E+00
513	5.70475	8.00833	0.000000E+00
514	9.28550	5.82500	0.000000E+00
515	8.52250	3.64167	0.000000E+00
516	8.90400	4.73333	0.000000E+00
517	8.16050	5.82500	0.000000E+00
518	7.03550	5.82500	0.000000E+00
519	6.27250	3.64167	0.000000E+00
520	7.39750	3.64167	0.000000E+00
521	6.65400	4.73333	0.000000E+00
522	7.77900	4.73333	0.000000E+00
523	9.66700	6.91667	0.000000E+00
524	10.0485	8.00833	0.000000E+00
525	7.41700	6.91667	0.000000E+00
526	8.54200	6.91667	0.000000E+00
527	7.79850	8.00833	0.000000E+00
528	8.92350	8.00833	0.000000E+00
529	9.78550	5.82500	0.000000E+00
530	9.02250	3.64167	0.000000E+00
531	9.40400	4.73333	0.000000E+00
532	10.1670	6.91667	0.000000E+00
533	10.5485	8.00833	0.000000E+00
534	13.6605	5.82500	0.000000E+00
535	12.8975	3.64167	0.000000E+00

536	13.2790	4.73333	0.00000E+00
537	12.6917	5.82500	0.00000E+00
538	11.7230	5.82500	0.00000E+00
539	10.7542	5.82500	0.00000E+00
540	9.99125	3.64167	0.00000E+00
541	10.9600	3.64167	0.00000E+00
542	11.9288	3.64167	0.00000E+00
543	10.3727	4.73333	0.00000E+00
544	11.3415	4.73333	0.00000E+00
545	12.3102	4.73333	0.00000E+00
546	14.0420	6.91667	0.00000E+00
547	14.4235	8.00833	0.00000E+00
548	11.1357	6.91667	0.00000E+00
549	12.1045	6.91667	0.00000E+00
550	13.0732	6.91667	0.00000E+00
551	11.5172	8.00833	0.00000E+00
552	12.4860	8.00833	0.00000E+00
553	13.4548	8.00833	0.00000E+00
554	17.5355	5.82500	0.00000E+00
555	16.7725	3.64167	0.00000E+00
556	17.1540	4.73333	0.00000E+00
557	16.5668	5.82500	0.277556E-16
558	15.5980	5.82500	0.277556E-16
559	14.6292	5.82500	0.277556E-16
560	13.8663	3.64167	0.00000E+00
561	14.8350	3.64167	0.00000E+00
562	15.8038	3.64167	0.00000E+00
563	14.2477	4.73333	0.00000E+00
564	15.2165	4.73333	0.00000E+00
565	16.1853	4.73333	0.00000E+00
566	17.9170	6.91667	0.00000E+00
567	18.2985	8.00833	0.00000E+00
568	15.0107	6.91667	0.00000E+00
569	15.9795	6.91667	0.00000E+00
570	16.9483	6.91667	0.00000E+00
571	15.3922	8.00833	0.00000E+00
572	16.3610	8.00833	0.00000E+00
573	17.3298	8.00833	0.00000E+00
574	19.2855	5.82500	0.00000E+00
575	18.5225	3.64167	0.00000E+00
576	18.9040	4.73333	0.00000E+00
577	18.4105	5.82500	0.00000E+00
578	17.6475	3.64167	0.00000E+00
579	18.0290	4.73333	0.00000E+00
580	19.6670	6.91667	0.00000E+00
581	20.0485	8.00833	0.00000E+00
582	18.7920	6.91667	0.00000E+00
583	19.1735	8.00833	0.00000E+00
584	21.4105	5.82500	0.00000E+00
585	20.6475	3.64167	0.00000E+00
586	21.0290	4.73333	0.00000E+00
587	20.3480	5.82500	0.00000E+00
588	19.5850	3.64167	0.00000E+00
589	19.9665	4.73333	0.00000E+00
590	21.7920	6.91667	0.00000E+00
591	22.1735	8.00833	0.00000E+00
592	20.7295	6.91667	0.00000E+00
593	21.1110	8.00833	0.00000E+00
594	25.2855	5.82500	0.00000E+00
595	24.5225	3.64167	0.00000E+00
596	24.9040	4.73333	0.00000E+00
597	24.3167	5.82500	0.00000E+00
598	23.3480	5.82500	0.00000E+00
599	22.3793	5.82500	0.00000E+00
600	21.6163	3.64167	0.00000E+00
601	22.5850	3.64167	0.00000E+00
602	23.5537	3.64167	0.00000E+00
603	21.9977	4.73333	0.00000E+00
604	22.9665	4.73333	0.00000E+00
605	23.9352	4.73333	0.00000E+00
606	25.6670	6.91667	0.00000E+00
607	26.0485	8.00833	0.00000E+00
608	22.7607	6.91667	0.00000E+00
609	23.7295	6.91667	0.00000E+00
610	24.6982	6.91667	0.00000E+00
611	23.1422	8.00833	0.00000E+00
612	24.1110	8.00833	0.00000E+00
613	25.0798	8.00833	0.00000E+00
614	29.1605	5.82500	0.00000E+00
615	28.3975	3.64167	0.00000E+00
616	28.7790	4.73333	0.00000E+00
617	28.1918	5.82500	0.00000E+00
618	27.2230	5.82500	0.00000E+00
619	26.2542	5.82500	0.00000E+00
620	25.4913	3.64167	0.00000E+00
621	26.4600	3.64167	0.00000E+00
622	27.4288	3.64167	0.00000E+00
623	25.8727	4.73333	0.00000E+00
624	26.8415	4.73333	0.00000E+00
625	27.8103	4.73333	0.00000E+00
626	29.5420	6.91667	0.00000E+00
627	29.9235	8.00833	0.00000E+00
628	26.6358	6.91667	0.00000E+00
629	27.6045	6.91667	0.00000E+00
630	28.5733	6.91667	0.00000E+00
631	27.0173	8.00833	0.00000E+00
632	27.9860	8.00833	0.00000E+00
633	28.9548	8.00833	0.00000E+00

634	31.2855	5.82500	0.000000E+00
635	30.5225	3.64167	0.000000E+00
636	30.9040	4.73333	0.000000E+00
637	30.2230	5.82500	0.000000E+00
638	29.4600	3.64167	0.000000E+00
639	29.8415	4.73333	0.000000E+00
640	31.6670	6.91667	0.000000E+00
641	32.0485	8.00833	0.000000E+00
642	30.6045	6.91667	0.000000E+00
643	30.9860	8.00833	0.000000E+00
644	33.0355	5.82500	0.000000E+00
645	32.2725	3.64167	0.000000E+00
646	32.6540	4.73333	0.000000E+00
647	32.1605	5.82500	0.000000E+00
648	31.3975	3.64167	0.000000E+00
649	31.7790	4.73333	0.000000E+00
650	33.4170	6.91667	0.000000E+00
651	33.7985	8.00833	0.000000E+00
652	32.5420	6.91667	0.000000E+00
653	32.9235	8.00833	0.000000E+00
654	36.9105	5.82500	0.000000E+00
655	36.1475	3.64167	0.000000E+00
656	36.5290	4.73333	0.000000E+00
657	35.9417	5.82500	0.124900E-15
658	34.9730	5.82500	0.971445E-16
659	34.0042	5.82500	0.971445E-16
660	33.2413	3.64167	0.000000E+00
661	34.2100	3.64167	0.000000E+00
662	35.1787	3.64167	0.000000E+00
663	33.6227	4.73333	0.000000E+00
664	34.5915	4.73333	0.000000E+00
665	35.5602	4.73333	0.000000E+00
666	37.2920	6.91667	0.000000E+00
667	37.6735	8.00833	0.000000E+00
668	34.3857	6.91667	0.000000E+00
669	35.3545	6.91667	0.000000E+00
670	36.3233	6.91667	0.000000E+00
671	34.7672	8.00833	0.000000E+00
672	35.7360	8.00833	0.000000E+00
673	36.7047	8.00833	0.000000E+00
674	40.7855	5.82500	0.000000E+00
675	40.0225	3.64167	0.000000E+00
676	40.4040	4.73333	0.000000E+00
677	39.8168	5.82500	-0.832667E-16
678	38.8480	5.82500	-0.832667E-16
679	37.8793	5.82500	-0.832667E-16
680	37.1162	3.64167	0.000000E+00
681	38.0850	3.64167	0.000000E+00
682	39.0538	3.64167	0.000000E+00
683	37.4978	4.73333	0.000000E+00
684	38.4665	4.73333	0.000000E+00
685	39.4353	4.73333	0.000000E+00
686	41.1670	6.91667	0.000000E+00
687	41.5485	8.00833	0.000000E+00
688	38.2607	6.91667	0.000000E+00
689	39.2295	6.91667	0.000000E+00
690	40.1983	6.91667	0.000000E+00
691	38.6422	8.00833	0.000000E+00
692	39.6110	8.00833	0.000000E+00
693	40.5798	8.00833	0.000000E+00
694	41.2855	5.82500	0.000000E+00
695	40.5225	3.64167	0.000000E+00
696	40.9040	4.73333	0.000000E+00
697	41.6670	6.91667	0.000000E+00
698	42.0485	8.00833	0.000000E+00
699	44.6605	5.82500	0.000000E+00
700	43.8975	3.64167	0.000000E+00
701	44.2790	4.73333	0.000000E+00
702	43.5355	5.82500	0.000000E+00
703	42.4105	5.82500	0.000000E+00
704	41.6475	3.64167	0.000000E+00
705	42.7725	3.64167	0.000000E+00
706	42.0290	4.73333	0.000000E+00
707	43.1540	4.73333	0.000000E+00
708	45.0420	6.91667	0.000000E+00
709	45.4235	8.00833	0.000000E+00
710	42.7920	6.91667	0.000000E+00
711	43.9170	6.91667	0.000000E+00
712	43.1735	8.00833	0.000000E+00
713	44.2985	8.00833	0.000000E+00
714	48.5355	5.82500	0.000000E+00
715	47.7725	3.64167	0.000000E+00
716	48.1540	4.73333	0.000000E+00
717	47.5668	5.82500	0.000000E+00
718	46.5980	5.82500	0.000000E+00
719	45.6292	5.82500	0.000000E+00
720	44.8663	3.64167	0.000000E+00
721	45.8350	3.64167	0.000000E+00
722	46.8037	3.64167	0.000000E+00
723	45.2477	4.73333	0.000000E+00
724	46.2165	4.73333	0.000000E+00
725	47.1852	4.73333	0.000000E+00
726	48.9170	6.91667	0.000000E+00
727	49.2985	8.00833	0.000000E+00
728	46.0108	6.91667	0.000000E+00
729	46.9795	6.91667	0.000000E+00
730	47.9482	6.91667	0.000000E+00
731	46.3923	8.00833	0.000000E+00

732	47.3610	8.00833	0.00000E+00
733	48.3297	8.00833	0.00000E+00
734	0.891000	2.55000	-0.550000
735	0.891000	2.55000	-0.275000
736	-0.109000	2.55000	0.00000E+00
737	-0.109000	2.55000	-0.275000
738	4.76600	2.55000	-0.605000
739	4.76600	2.55000	-0.302500
740	3.76600	2.55000	0.00000E+00
741	3.76600	2.55000	-0.302500
742	8.64100	2.55000	-0.605000
743	8.64100	2.55000	-0.302500
744	7.64100	2.55000	0.00000E+00
745	7.64100	2.55000	-0.302500
746	12.5160	2.55000	-0.605000
747	12.5160	2.55000	-0.302500
748	11.5160	2.55000	0.00000E+00
749	11.5160	2.55000	-0.302500
750	16.3910	2.55000	-0.605000
751	16.3910	2.55000	-0.302500
752	15.3910	2.55000	0.00000E+00
753	15.3910	2.55000	-0.302500
754	20.2660	2.55000	-0.605000
755	20.2660	2.55000	-0.302500
756	19.2660	2.55000	0.00000E+00
757	19.2660	2.55000	-0.302500
758	24.1410	2.55000	-0.605000
759	24.1410	2.55000	-0.302500
760	23.1410	2.55000	0.00000E+00
761	23.1410	2.55000	-0.302500
762	28.0160	2.55000	-0.605000
763	28.0160	2.55000	-0.302500
764	27.0160	2.55000	0.00000E+00
765	27.0160	2.55000	-0.302500
766	31.8910	2.55000	-0.605000
767	31.8910	2.55000	-0.302500
768	30.8910	2.55000	0.00000E+00
769	30.8910	2.55000	-0.302500
770	35.7660	2.55000	-0.605000
771	35.7660	2.55000	-0.302500
772	34.7660	2.55000	0.00000E+00
773	34.7660	2.55000	-0.302500
774	39.6410	2.55000	-0.605000
775	39.6410	2.55000	-0.302500
776	38.6410	2.55000	0.00000E+00
777	38.6410	2.55000	-0.302500
778	43.5160	2.55000	-0.605000
779	43.5160	2.55000	-0.302500
780	42.5160	2.55000	0.00000E+00
781	42.5160	2.55000	-0.302500
782	47.3910	2.55000	-0.550000
783	47.3910	2.55000	-0.275000
784	46.3910	2.55000	0.00000E+00
785	46.3910	2.55000	-0.275000
786	3.18000	9.10000	-0.550000
787	3.18000	9.10000	-0.275000
788	4.18000	9.10000	0.00000E+00
789	4.18000	9.10000	-0.275000
790	7.05500	9.10000	-0.605000
791	7.05500	9.10000	-0.302500
792	8.05500	9.10000	0.00000E+00
793	8.05500	9.10000	-0.302500
794	10.9300	9.10000	-0.605000
795	10.9300	9.10000	-0.302500
796	11.9300	9.10000	0.00000E+00
797	11.9300	9.10000	-0.302500
798	14.8050	9.10000	-0.605000
799	14.8050	9.10000	-0.302500
800	15.8050	9.10000	0.00000E+00
801	15.8050	9.10000	-0.302500
802	18.6800	9.10000	-0.605000
803	18.6800	9.10000	-0.302500
804	19.6800	9.10000	0.00000E+00
805	19.6800	9.10000	-0.302500
806	22.5550	9.10000	-0.605000
807	22.5550	9.10000	-0.302500
808	23.5550	9.10000	0.00000E+00
809	23.5550	9.10000	-0.302500
810	26.4300	9.10000	-0.605000
811	26.4300	9.10000	-0.302500
812	27.4300	9.10000	0.00000E+00
813	27.4300	9.10000	-0.302500
814	30.3050	9.10000	-0.605000
815	30.3050	9.10000	-0.302500
816	31.3050	9.10000	0.00000E+00
817	31.3050	9.10000	-0.302500
818	34.1800	9.10000	-0.605000
819	34.1800	9.10000	-0.302500
820	35.1800	9.10000	0.00000E+00
821	35.1800	9.10000	-0.302500
822	38.0550	9.10000	-0.605000
823	38.0550	9.10000	-0.302500
824	39.0550	9.10000	0.00000E+00
825	39.0550	9.10000	-0.302500
826	41.9300	9.10000	-0.605000
827	41.9300	9.10000	-0.302500
828	42.9300	9.10000	0.00000E+00
829	42.9300	9.10000	-0.302500

830	45.8050	9.10000	-0.605000
831	45.8050	9.10000	-0.302500
832	46.8050	9.10000	0.000000E+00
833	46.8050	9.10000	-0.302500
834	49.6800	9.10000	-0.550000
835	49.6800	9.10000	-0.275000
836	50.6800	9.10000	0.000000E+00
837	50.6800	9.10000	-0.275000
838	0.891000	2.55000	-1.00000
839	0.891000	2.55000	-0.775000
840	-0.109000	2.55000	-0.550000
841	-0.109000	2.55000	-0.775000
842	47.3910	2.55000	-1.00000
843	47.3910	2.55000	-0.775000
844	46.3910	2.55000	-0.550000
845	46.3910	2.55000	-0.775000
846	3.18000	9.10000	-1.00000
847	3.18000	9.10000	-0.775000
848	4.18000	9.10000	-0.550000
849	4.18000	9.10000	-0.775000
850	49.6800	9.10000	-1.00000
851	49.6800	9.10000	-0.775000
852	50.6800	9.10000	-0.550000
853	50.6800	9.10000	-0.775000
854	4.76600	2.55000	-1.00500
855	4.76600	2.55000	-0.805000
856	3.76600	2.55000	-0.605000
857	3.76600	2.55000	-0.805000
858	8.64100	2.55000	-1.00500
859	8.64100	2.55000	-0.805000
860	7.64100	2.55000	-0.605000
861	7.64100	2.55000	-0.805000
862	12.5160	2.55000	-1.00500
863	12.5160	2.55000	-0.805000
864	11.5160	2.55000	-0.605000
865	11.5160	2.55000	-0.805000
866	16.3910	2.55000	-1.00500
867	16.3910	2.55000	-0.805000
868	15.3910	2.55000	-0.605000
869	15.3910	2.55000	-0.805000
870	20.2660	2.55000	-1.00500
871	20.2660	2.55000	-0.805000
872	19.2660	2.55000	-0.605000
873	19.2660	2.55000	-0.805000
874	24.1410	2.55000	-1.00500
875	24.1410	2.55000	-0.805000
876	23.1410	2.55000	-0.605000
877	23.1410	2.55000	-0.805000
878	28.0160	2.55000	-1.00500
879	28.0160	2.55000	-0.805000
880	27.0160	2.55000	-0.605000
881	27.0160	2.55000	-0.805000
882	31.8910	2.55000	-1.00500
883	31.8910	2.55000	-0.805000
884	30.8910	2.55000	-0.605000
885	30.8910	2.55000	-0.805000
886	35.7660	2.55000	-1.00500
887	35.7660	2.55000	-0.805000
888	34.7660	2.55000	-0.605000
889	34.7660	2.55000	-0.805000
890	39.6410	2.55000	-1.00500
891	39.6410	2.55000	-0.805000
892	38.6410	2.55000	-0.605000
893	38.6410	2.55000	-0.805000
894	43.5160	2.55000	-1.00500
895	43.5160	2.55000	-0.805000
896	42.5160	2.55000	-0.605000
897	42.5160	2.55000	-0.805000
898	7.05500	9.10000	-1.00500
899	7.05500	9.10000	-0.805000
900	8.05500	9.10000	-0.605000
901	8.05500	9.10000	-0.805000
902	10.9300	9.10000	-1.00500
903	10.9300	9.10000	-0.805000
904	11.9300	9.10000	-0.605000
905	11.9300	9.10000	-0.805000
906	14.8050	9.10000	-1.00500
907	14.8050	9.10000	-0.805000
908	15.8050	9.10000	-0.605000
909	15.8050	9.10000	-0.805000
910	18.6800	9.10000	-1.00500
911	18.6800	9.10000	-0.805000
912	19.6800	9.10000	-0.605000
913	19.6800	9.10000	-0.805000
914	22.5550	9.10000	-1.00500
915	22.5550	9.10000	-0.805000
916	23.5550	9.10000	-0.605000
917	23.5550	9.10000	-0.805000
918	26.4300	9.10000	-1.00500
919	26.4300	9.10000	-0.805000
920	27.4300	9.10000	-0.605000
921	27.4300	9.10000	-0.805000
922	30.3050	9.10000	-1.00500
923	30.3050	9.10000	-0.805000
924	31.3050	9.10000	-0.605000
925	31.3050	9.10000	-0.805000
926	34.1800	9.10000	-1.00500
927	34.1800	9.10000	-0.805000

928	35.1800	9.10000	-0.605000
929	35.1800	9.10000	-0.805000
930	38.0550	9.10000	-1.00500
931	38.0550	9.10000	-0.805000
932	39.0550	9.10000	-0.605000
933	39.0550	9.10000	-0.805000
934	41.9300	9.10000	-1.00500
935	41.9300	9.10000	-0.805000
936	42.9300	9.10000	-0.605000
937	42.9300	9.10000	-0.805000
938	45.8050	9.10000	-1.00500
939	45.8050	9.10000	-0.805000
940	46.8050	9.10000	-0.605000
941	46.8050	9.10000	-0.805000
942	1.21800	3.48571	-1.00000
943	1.54500	4.42143	-1.00000
944	1.87200	5.35714	-1.00000
945	2.19900	6.29286	-1.00000
946	2.52600	7.22857	-1.00000
947	2.85300	8.16429	-1.00000
948	-0.530155E-01	2.87990	-1.00000
949	0.273984	3.81562	-1.00000
950	0.600984	4.75133	-1.00000
951	0.927984	5.68704	-1.00000
952	1.25498	6.62276	-1.00000
953	1.58198	7.55847	-1.00000
954	1.90898	8.49419	-1.00000
955	47.7180	3.48571	-1.00000
956	48.0450	4.42143	-1.00000
957	48.3720	5.35714	-1.00000
958	48.6990	6.29286	-1.00000
959	49.0260	7.22857	-1.00000
960	49.3530	8.16429	-1.00000
961	46.4470	2.87990	-1.00000
962	46.7740	3.81562	-1.00000
963	47.1010	4.75133	-1.00000
964	47.4280	5.68704	-1.00000
965	47.7550	6.62276	-1.00000
966	48.0820	7.55847	-1.00000
967	48.4090	8.49419	-1.00000
968	5.09300	3.48571	-1.00500
969	5.42000	4.42143	-1.00500
970	5.74700	5.35714	-1.00500
971	6.07400	6.29286	-1.00500
972	6.40100	7.22857	-1.00500
973	6.72800	8.16429	-1.00500
974	3.82198	2.87990	-1.00500
975	4.14898	3.81562	-1.00500
976	4.47598	4.75133	-1.00500
977	4.80298	5.68704	-1.00500
978	5.12998	6.62276	-1.00500
979	5.45698	7.55847	-1.00500
980	5.78398	8.49419	-1.00500
981	8.96800	3.48571	-1.00500
982	9.29500	4.42143	-1.00500
983	9.62200	5.35714	-1.00500
984	9.94900	6.29286	-1.00500
985	10.2760	7.22857	-1.00500
986	10.6030	8.16429	-1.00500
987	7.69698	2.87990	-1.00500
988	8.02398	3.81562	-1.00500
989	8.35098	4.75133	-1.00500
990	8.67798	5.68704	-1.00500
991	9.00498	6.62276	-1.00500
992	9.33198	7.55847	-1.00500
993	9.65898	8.49419	-1.00500
994	12.8430	3.48571	-1.00500
995	13.1700	4.42143	-1.00500
996	13.4970	5.35714	-1.00500
997	13.8240	6.29286	-1.00500
998	14.1510	7.22857	-1.00500
999	14.4780	8.16429	-1.00500
1000	11.5720	2.87990	-1.00500
1001	11.8990	3.81562	-1.00500
1002	12.2260	4.75133	-1.00500
1003	12.5530	5.68704	-1.00500
1004	12.8800	6.62276	-1.00500
1005	13.2070	7.55847	-1.00500
1006	13.5340	8.49419	-1.00500
1007	16.7180	3.48571	-1.00500
1008	17.0450	4.42143	-1.00500
1009	17.3720	5.35714	-1.00500
1010	17.6990	6.29286	-1.00500
1011	18.0260	7.22857	-1.00500
1012	18.3530	8.16429	-1.00500
1013	15.4470	2.87990	-1.00500
1014	15.7740	3.81562	-1.00500
1015	16.1010	4.75133	-1.00500
1016	16.4280	5.68704	-1.00500
1017	16.7550	6.62276	-1.00500
1018	17.0820	7.55847	-1.00500
1019	17.4090	8.49419	-1.00500
1020	20.5930	3.48571	-1.00500
1021	20.9200	4.42143	-1.00500
1022	21.2470	5.35714	-1.00500
1023	21.5740	6.29286	-1.00500
1024	21.9010	7.22857	-1.00500
1025	22.2280	8.16429	-1.00500

1026	19.3220	2.87990	-1.00500
1027	19.6490	3.81562	-1.00500
1028	19.9760	4.75133	-1.00500
1029	20.3030	5.68704	-1.00500
1030	20.6300	6.62276	-1.00500
1031	20.9570	7.55847	-1.00500
1032	21.2840	8.49419	-1.00500
1033	24.4680	3.48571	-1.00500
1034	24.7950	4.42143	-1.00500
1035	25.1220	5.35714	-1.00500
1036	25.4490	6.29286	-1.00500
1037	25.7760	7.22857	-1.00500
1038	26.1030	8.16429	-1.00500
1039	23.1970	2.87990	-1.00500
1040	23.5240	3.81562	-1.00500
1041	23.8510	4.75133	-1.00500
1042	24.1780	5.68704	-1.00500
1043	24.5050	6.62276	-1.00500
1044	24.8320	7.55847	-1.00500
1045	25.1590	8.49419	-1.00500
1046	28.3430	3.48571	-1.00500
1047	28.6700	4.42143	-1.00500
1048	28.9970	5.35714	-1.00500
1049	29.3240	6.29286	-1.00500
1050	29.6510	7.22857	-1.00500
1051	29.9780	8.16429	-1.00500
1052	27.0720	2.87990	-1.00500
1053	27.3990	3.81562	-1.00500
1054	27.7260	4.75133	-1.00500
1055	28.0530	5.68704	-1.00500
1056	28.3800	6.62276	-1.00500
1057	28.7070	7.55847	-1.00500
1058	29.0340	8.49419	-1.00500
1059	32.2180	3.48571	-1.00500
1060	32.5450	4.42143	-1.00500
1061	32.8720	5.35714	-1.00500
1062	33.1990	6.29286	-1.00500
1063	33.5260	7.22857	-1.00500
1064	33.8530	8.16429	-1.00500
1065	30.9470	2.87990	-1.00500
1066	31.2740	3.81562	-1.00500
1067	31.6010	4.75133	-1.00500
1068	31.9280	5.68704	-1.00500
1069	32.2550	6.62276	-1.00500
1070	32.5820	7.55847	-1.00500
1071	32.9090	8.49419	-1.00500
1072	36.0930	3.48571	-1.00500
1073	36.4200	4.42143	-1.00500
1074	36.7470	5.35714	-1.00500
1075	37.0740	6.29286	-1.00500
1076	37.4010	7.22857	-1.00500
1077	37.7280	8.16429	-1.00500
1078	34.8220	2.87990	-1.00500
1079	35.1490	3.81562	-1.00500
1080	35.4760	4.75133	-1.00500
1081	35.8030	5.68704	-1.00500
1082	36.1300	6.62276	-1.00500
1083	36.4570	7.55847	-1.00500
1084	36.7840	8.49419	-1.00500
1085	39.9680	3.48571	-1.00500
1086	40.2950	4.42143	-1.00500
1087	40.6220	5.35714	-1.00500
1088	40.9490	6.29286	-1.00500
1089	41.2760	7.22857	-1.00500
1090	41.6030	8.16429	-1.00500
1091	38.6970	2.87990	-1.00500
1092	39.0240	3.81562	-1.00500
1093	39.3510	4.75133	-1.00500
1094	39.6780	5.68704	-1.00500
1095	40.0050	6.62276	-1.00500
1096	40.3320	7.55847	-1.00500
1097	40.6590	8.49419	-1.00500
1098	43.8430	3.48571	-1.00500
1099	44.1700	4.42143	-1.00500
1100	44.4970	5.35714	-1.00500
1101	44.8240	6.29286	-1.00500
1102	45.1510	7.22857	-1.00500
1103	45.4780	8.16429	-1.00500
1104	42.5720	2.87990	-1.00500
1105	42.8990	3.81562	-1.00500
1106	43.2260	4.75133	-1.00500
1107	43.5530	5.68704	-1.00500
1108	43.8800	6.62276	-1.00500
1109	44.2070	7.55847	-1.00500
1110	44.5340	8.49419	-1.00500
1111	4.76600	2.55000	-1.40500
1112	4.76600	2.55000	-2.40000
1113	4.76600	2.55000	-1.90250
1114	3.76600	2.55000	-1.40500
1115	3.76600	2.55000	-1.90250
1116	4.76600	2.55000	-1.20500
1117	3.76600	2.55000	-1.00500
1118	3.76600	2.55000	-1.20500
1119	8.64100	2.55000	-1.40500
1120	8.64100	2.55000	-2.40000
1121	8.64100	2.55000	-1.90250
1122	7.64100	2.55000	-1.40500
1123	7.64100	2.55000	-1.90250

1124	8.64100	2.55000	-1.20500
1125	7.64100	2.55000	-1.00500
1126	7.64100	2.55000	-1.20500
1127	12.5160	2.55000	-1.40500
1128	12.5160	2.55000	-2.40000
1129	12.5160	2.55000	-1.90250
1130	11.5160	2.55000	-1.40500
1131	11.5160	2.55000	-1.90250
1132	12.5160	2.55000	-1.20500
1133	11.5160	2.55000	-1.00500
1134	11.5160	2.55000	-1.20500
1135	16.3910	2.55000	-1.40500
1136	16.3910	2.55000	-2.40000
1137	16.3910	2.55000	-1.90250
1138	15.3910	2.55000	-1.40500
1139	15.3910	2.55000	-1.90250
1140	16.3910	2.55000	-1.20500
1141	15.3910	2.55000	-1.00500
1142	15.3910	2.55000	-1.20500
1143	20.2660	2.55000	-1.40500
1144	20.2660	2.55000	-2.40000
1145	20.2660	2.55000	-1.90250
1146	19.2660	2.55000	-1.40500
1147	19.2660	2.55000	-1.90250
1148	20.2660	2.55000	-1.20500
1149	19.2660	2.55000	-1.00500
1150	19.2660	2.55000	-1.20500
1151	24.1410	2.55000	-1.40500
1152	24.1410	2.55000	-2.40000
1153	24.1410	2.55000	-1.90250
1154	23.1410	2.55000	-1.40500
1155	23.1410	2.55000	-1.90250
1156	24.1410	2.55000	-1.20500
1157	23.1410	2.55000	-1.00500
1158	23.1410	2.55000	-1.20500
1159	28.0160	2.55000	-1.40500
1160	28.0160	2.55000	-2.40000
1161	28.0160	2.55000	-1.90250
1162	27.0160	2.55000	-1.40500
1163	27.0160	2.55000	-1.90250
1164	28.0160	2.55000	-1.20500
1165	27.0160	2.55000	-1.00500
1166	27.0160	2.55000	-1.20500
1167	31.8910	2.55000	-1.40500
1168	31.8910	2.55000	-2.40000
1169	31.8910	2.55000	-1.90250
1170	30.8910	2.55000	-1.40500
1171	30.8910	2.55000	-1.90250
1172	31.8910	2.55000	-1.20500
1173	30.8910	2.55000	-1.00500
1174	30.8910	2.55000	-1.20500
1175	35.7660	2.55000	-1.40500
1176	35.7660	2.55000	-2.40000
1177	35.7660	2.55000	-1.90250
1178	34.7660	2.55000	-1.40500
1179	34.7660	2.55000	-1.90250
1180	35.7660	2.55000	-1.20500
1181	34.7660	2.55000	-1.00500
1182	34.7660	2.55000	-1.20500
1183	39.6410	2.55000	-1.40500
1184	39.6410	2.55000	-2.40000
1185	39.6410	2.55000	-1.90250
1186	38.6410	2.55000	-1.40500
1187	38.6410	2.55000	-1.90250
1188	39.6410	2.55000	-1.20500
1189	38.6410	2.55000	-1.00500
1190	38.6410	2.55000	-1.20500
1191	43.5160	2.55000	-1.40500
1192	43.5160	2.55000	-2.40000
1193	43.5160	2.55000	-1.90250
1194	42.5160	2.55000	-1.40500
1195	42.5160	2.55000	-1.90250
1196	43.5160	2.55000	-1.20500
1197	42.5160	2.55000	-1.00500
1198	42.5160	2.55000	-1.20500
1199	7.05500	9.10000	-1.40500
1200	7.05500	9.10000	-2.40000
1201	7.05500	9.10000	-1.90250
1202	8.05500	9.10000	-1.40500
1203	8.05500	9.10000	-1.90250
1204	7.05500	9.10000	-1.20500
1205	8.05500	9.10000	-1.00500
1206	8.05500	9.10000	-1.20500
1207	10.9300	9.10000	-1.40500
1208	10.9300	9.10000	-2.40000
1209	10.9300	9.10000	-1.90250
1210	11.9300	9.10000	-1.40500
1211	11.9300	9.10000	-1.90250
1212	10.9300	9.10000	-1.20500
1213	11.9300	9.10000	-1.00500
1214	11.9300	9.10000	-1.20500
1215	14.8050	9.10000	-1.40500
1216	14.8050	9.10000	-2.40000
1217	14.8050	9.10000	-1.90250
1218	15.8050	9.10000	-1.40500
1219	15.8050	9.10000	-1.90250
1220	14.8050	9.10000	-1.20500
1221	15.8050	9.10000	-1.00500



1222	15.8050	9.10000	-1.20500
1223	18.6800	9.10000	-1.40500
1224	18.6800	9.10000	-2.40000
1225	18.6800	9.10000	-1.90250
1226	19.6800	9.10000	-1.40500
1227	19.6800	9.10000	-1.90250
1228	18.6800	9.10000	-1.20500
1229	19.6800	9.10000	-1.00500
1230	19.6800	9.10000	-1.20500
1231	22.5550	9.10000	-1.40500
1232	22.5550	9.10000	-2.40000
1233	22.5550	9.10000	-1.90250
1234	23.5550	9.10000	-1.40500
1235	23.5550	9.10000	-1.90250
1236	22.5550	9.10000	-1.20500
1237	23.5550	9.10000	-1.00500
1238	23.5550	9.10000	-1.20500
1239	26.4300	9.10000	-1.40500
1240	26.4300	9.10000	-2.40000
1241	26.4300	9.10000	-1.90250
1242	27.4300	9.10000	-1.40500
1243	27.4300	9.10000	-1.90250
1244	26.4300	9.10000	-1.20500
1245	27.4300	9.10000	-1.00500
1246	27.4300	9.10000	-1.20500
1247	30.3050	9.10000	-1.40500
1248	30.3050	9.10000	-2.40000
1249	30.3050	9.10000	-1.90250
1250	31.3050	9.10000	-1.40500
1251	31.3050	9.10000	-1.90250
1252	30.3050	9.10000	-1.20500
1253	31.3050	9.10000	-1.00500
1254	31.3050	9.10000	-1.20500
1255	34.1800	9.10000	-1.40500
1256	34.1800	9.10000	-2.40000
1257	34.1800	9.10000	-1.90250
1258	35.1800	9.10000	-1.40500
1259	35.1800	9.10000	-1.90250
1260	34.1800	9.10000	-1.20500
1261	35.1800	9.10000	-1.00500
1262	35.1800	9.10000	-1.20500
1263	38.0550	9.10000	-1.40500
1264	38.0550	9.10000	-2.40000
1265	38.0550	9.10000	-1.90250
1266	39.0550	9.10000	-1.40500
1267	39.0550	9.10000	-1.90250
1268	38.0550	9.10000	-1.20500
1269	39.0550	9.10000	-1.00500
1270	39.0550	9.10000	-1.20500
1271	41.9300	9.10000	-1.40500
1272	41.9300	9.10000	-2.40000
1273	41.9300	9.10000	-1.90250
1274	42.9300	9.10000	-1.40500
1275	42.9300	9.10000	-1.90250
1276	41.9300	9.10000	-1.20500
1277	42.9300	9.10000	-1.00500
1278	42.9300	9.10000	-1.20500
1279	45.8050	9.10000	-1.40500
1280	45.8050	9.10000	-2.40000
1281	45.8050	9.10000	-1.90250
1282	46.8050	9.10000	-1.40500
1283	46.8050	9.10000	-1.90250
1284	45.8050	9.10000	-1.20500
1285	46.8050	9.10000	-1.00500
1286	46.8050	9.10000	-1.20500
1287	0.891000	2.55000	-1.45000
1288	0.891000	2.55000	-2.40000
1289	0.891000	2.55000	-1.92500
1290	-0.109000	2.55000	-1.45000
1291	-0.109000	2.55000	-1.92500
1292	0.891000	2.55000	-1.22500
1293	-0.109000	2.55000	-1.00000
1294	-0.109000	2.55000	-1.22500
1295	3.18000	9.10000	-1.45000
1296	3.18000	9.10000	-2.40000
1297	3.18000	9.10000	-1.92500
1298	4.18000	9.10000	-1.45000
1299	4.18000	9.10000	-1.92500
1300	3.18000	9.10000	-1.22500
1301	4.18000	9.10000	-1.00000
1302	4.18000	9.10000	-1.22500
1303	47.3910	2.55000	-1.45000
1304	47.3910	2.55000	-2.40000
1305	47.3910	2.55000	-1.92500
1306	46.3910	2.55000	-1.45000
1307	46.3910	2.55000	-1.92500
1308	47.3910	2.55000	-1.22500
1309	46.3910	2.55000	-1.00000
1310	46.3910	2.55000	-1.22500
1311	49.6800	9.10000	-1.45000
1312	49.6800	9.10000	-2.40000
1313	49.6800	9.10000	-1.92500
1314	50.6800	9.10000	-1.45000
1315	50.6800	9.10000	-1.92500
1316	49.6800	9.10000	-1.22500
1317	50.6800	9.10000	-1.00000
1318	50.6800	9.10000	-1.22500
1319	0.891000	2.55000	-2.40000

1320	0.891000	2.55000	-3.20000
1321	1.22079	3.49405	-2.40000
1322	47.3910	2.55000	-2.40000
1323	47.3910	2.55000	-3.20000
1324	47.7208	3.49405	-2.40000
1325	3.18000	9.10000	-2.40000
1326	3.18000	9.10000	-3.20000
1327	3.50979	10.0441	-2.40000
1328	49.6800	9.10000	-2.40000
1329	49.6800	9.10000	-3.20000
1330	50.0098	10.0441	-2.40000
1331	0.469075	12.2689	-8.90000
1332	0.469075	12.2689	-6.90000
1333	0.154420	11.3197	-8.90000
1334	1.57598	6.46984	-6.90000
1335	1.57598	6.46984	-3.20000
1336	1.57598	6.46984	-6.37143
1337	1.57598	6.46984	-5.84286
1338	1.57598	6.46984	-5.31429
1339	1.57598	6.46984	-4.78571
1340	1.57598	6.46984	-4.25714
1341	1.57598	6.46984	-3.72857
1342	1.26132	5.52064	-6.90000
1343	1.26132	5.52064	-6.37143
1344	1.26132	5.52064	-5.84286
1345	1.26132	5.52064	-5.31429
1346	1.26132	5.52064	-4.78571
1347	1.26132	5.52064	-4.25714
1348	1.26132	5.52064	-3.72857
1349	1.57498	6.46984	0.600000
1350	1.57585	6.46984	-2.72500
1351	1.57573	6.46984	-2.25000
1352	1.57560	6.46984	-1.77500
1353	1.57548	6.46984	-1.30000
1354	1.57535	6.46984	-0.825000
1355	1.57523	6.46984	-0.350000
1356	1.57510	6.46984	0.125000
1357	1.26132	5.52064	-3.20008
1358	1.26120	5.52064	-2.72508
1359	1.26107	5.52064	-2.25008
1360	1.26095	5.52064	-1.77508
1361	1.26082	5.52064	-1.30008
1362	1.26070	5.52064	-0.825083
1363	1.26057	5.52064	-0.350083
1364	1.26045	5.52064	0.124917
1365	5.41889	18.0655	-6.90000
1366	5.41889	18.0655	-3.20000
1367	5.41889	18.0655	-6.37143
1368	5.41889	18.0655	-5.84286
1369	5.41889	18.0655	-5.31429
1370	5.41889	18.0655	-4.78571
1371	5.41889	18.0655	-4.25714
1372	5.41889	18.0655	-3.72857
1373	5.10423	17.1163	-6.90000
1374	5.10423	17.1163	-6.37143
1375	5.10423	17.1163	-5.84286
1376	5.10423	17.1163	-5.31429
1377	5.10423	17.1163	-4.78571
1378	5.10423	17.1163	-4.25714
1379	5.10423	17.1163	-3.72857
1380	5.41789	18.0655	0.600000
1381	5.41876	18.0655	-2.72500
1382	5.41864	18.0655	-2.25000
1383	5.41851	18.0655	-1.77500
1384	5.41839	18.0655	-1.30000
1385	5.41826	18.0655	-0.825000
1386	5.41814	18.0655	-0.350000
1387	5.41801	18.0655	0.125000
1388	5.10424	17.1163	-3.20008
1389	5.10412	17.1163	-2.72508
1390	5.10399	17.1163	-2.25008
1391	5.10387	17.1163	-1.77508
1392	5.10374	17.1163	-1.30008
1393	5.10362	17.1163	-0.825083
1394	5.10349	17.1163	-0.350083
1395	5.10337	17.1163	0.124917
1396	1.57598	6.46984	-8.90000
1397	1.57598	6.46984	-8.40000
1398	1.57598	6.46984	-7.90000
1399	1.57598	6.46984	-7.40000
1400	1.24619	5.52579	-8.90000
1401	1.24619	5.52579	-8.40000
1402	1.24619	5.52579	-7.90000
1403	1.24619	5.52579	-7.40000
1404	5.41889	18.0655	-8.90000
1405	5.41889	18.0655	-8.40000
1406	5.41889	18.0655	-7.90000
1407	5.41889	18.0655	-7.40000
1408	5.08910	17.1214	-8.90000
1409	5.08910	17.1214	-8.40000
1410	5.08910	17.1214	-7.90000
1411	5.08910	17.1214	-7.40000
1412	2.03550	5.82500	-3.20000
1413	48.5355	5.82500	-3.20000
1414	2.03550	5.82500	-3.20000
1415	48.5355	5.82500	-3.20000
1416	6.30657	18.6936	-3.20000
1417	-1.19156	12.2647	-3.15000

1418	-0.191563	12.2647	-3.15000
1419	-1.19156	13.2647	-3.15000
1420	0.469075	12.2689	-8.90000
1421	2.03550	5.82500	-3.20000
1422	2.03550	5.82500	0.00000E+00
1423	48.5355	5.82500	0.00000E+00
1424	6.30657	18.6936	-3.20000
1425	2.03550	5.82500	-3.20000
1426	1.89100	2.55000	-2.40000
1427	0.891000	3.55000	-2.40000
1428	4.18000	9.10000	-2.40000
1429	3.18000	10.1000	-2.40000
1430	46.3910	2.55000	-2.40000
1431	47.3910	1.55000	-2.40000
1432	48.6800	9.10000	-2.40000
1433	49.6800	8.10000	-2.40000
1434	3.03550	5.82500	-3.20000
1435	2.03550	6.82500	-3.20000
1436	49.5355	5.82500	-3.20000
1437	48.5355	6.82500	-3.20000
1438	7.30657	18.6936	-3.20000
1439	6.30657	19.6936	-3.20000
1440	1.41828	11.9543	-8.90000
1441	0.783730	13.2181	-8.90000
1442	3.03550	5.82500	-3.20000
1443	2.03550	6.82500	-3.20000
1444	2.98471	5.51034	0.00000E+00
1445	2.35016	6.77421	0.00000E+00
1446	47.5863	6.13966	0.00000E+00
1447	48.2208	4.87579	0.00000E+00

TOTAL NUMBER OF NODES	=	1447
LARGEST NODE NUMBER	=	1447
DATA STORAGE LOCATIONS USED	=	10129

G E O M E T R I C P R O P E R T I E S

C1\_F1  
PROPERTY

BMI21 ELEMENTS	
1 1ST NODE	AREA =0.1085 IYY =0.1034 IZZ =0.4325E-02 KT =0.2541E-04 ASZ =0.5148E-01
	ASY =0.5700E-01 EZ =1.233 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1085 IYY =0.1034 IZZ =0.4325E-02 KT =0.2541E-04 ASZ =0.5148E-01
	ASY =0.5700E-01 EZ =1.233 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

C2\_F1  
PROPERTY

BMI21 ELEMENTS	
2 1ST NODE	AREA =0.1469 IYY =0.1516 IZZ =0.7848E-02 KT =0.1169E-03 ASZ =0.4590E-01
	ASY =0.1010 EZ =1.424 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1469 IYY =0.1516 IZZ =0.7848E-02 KT =0.1169E-03 ASZ =0.4590E-01
	ASY =0.1010 EZ =1.424 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

C3\_F1  
PROPERTY

BMI21 ELEMENTS	
3 1ST NODE	AREA =0.1610 IYY =0.1741 IZZ =0.9289E-02 KT =0.1825E-03 ASZ =0.4095E-01
	ASY =0.1200 EZ =1.410 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1610 IYY =0.1741 IZZ =0.9289E-02 KT =0.1825E-03 ASZ =0.4095E-01
	ASY =0.1200 EZ =1.410 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

plinto (sz\_plinto Mirror y-y)  
PROPERTY

BMI21 ELEMENTS	
4 1ST NODE	AREA =257.6 IYY =1897. IZZ =0.1632E+05 KT =5900. ASZ =211.5
	ASY =215.9 EZ =0.0000E+00 EY =0.0000E+00 IYZ =-628.5
2ND NODE	AREA =257.6 IYY =1897. IZZ =0.1632E+05 KT =5900. ASZ =211.5

ASY =215.9 EZ =0.0000E+00 EY =0.0000E+00 IYZ =-628.5

G E O M E T R I C P R O P E R T I E S

paramento (RSS D=2.65 B=12.215)

PROPERTY

BMI21 ELEMENTS  
5 1ST NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_campata (HE 800 A)

PROPERTY

BMI21 ELEMENTS  
6 1ST NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_appoggio (I D=0.9 B=0.3 tf=0.04 tw=0.03 r=0)

PROPERTY

BMI21 ELEMENTS  
7 1ST NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_appoggi

PROPERTY

BMI21 ELEMENTS  
8 1ST NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02  
2ND NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_campata (irrigidente campata)

PROPERTY

BMI21 ELEMENTS  
9 1ST NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04  
2ND NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04

G E O M E T R I C P R O P E R T I E S

paraghiaia (RSS D=0.55 B=12.215)

PROPERTY

BMI21 ELEMENTS  
10 1ST NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

rigida  
PROPERTY

BMI21 ELEMENTS							
11	1ST NODE	AREA =10.00	IYY =100.0	IZZ =100.0	KT =100.0	ASZ =-0.1000E+05	
		ASY =0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		
	2ND NODE	AREA =10.00	IYY =100.0	IZZ =100.0	KT =100.0	ASZ =-0.1000E+05	
		ASY =0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Baggioli (RSS D=1.2 B=1.2)  
PROPERTY

BMI21 ELEMENTS							
12	1ST NODE	AREA =1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =-1.200	
		ASY =1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		
	2ND NODE	AREA =1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =-1.200	
		ASY =1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00		

G E O M E T R I C P R O P E R T I E S

Soletta\_sp\_0.3  
PROPERTY

QTS4 ELEMENTS							
14	EZ = -0.1500	T1 = 0.3000	T2 = 0.3000	T3 = 0.3000	T4 = 0.3000		

G E O M E T R I C P R O P E R T I E S

Ecc0  
PROPERTY

JSH4 ELEMENTS							
13	ECCENTRICITY = 0.0000E+00						
	DATA STORAGE LOCATIONS USED	=	678				

G E O M E T R I C A S S I G N M E N T S

FIRST ELEMENT	LAST ELEMENT	DIFF-ERENCE	GEOMETRIC SET	LUSASM ID NO.
1	48	1	14	14
49	52	1	1	1
53	60	1	14	14
61	63	1	1	1
64	69	1	14	14
70	0	0	2	2
71	72	1	14	14
73	76	1	2	2
77	84	1	14	14
85	88	1	2	2
89	96	1	14	14
97	98	1	2	2
99	102	1	14	14
103	104	1	3	3
105	108	1	14	14
109	112	1	3	3
113	120	1	14	14
121	124	1	3	3
125	132	1	14	14
133	134	1	3	3
135	138	1	14	14
139	140	1	2	2
141	144	1	14	14
145	148	1	2	2
149	156	1	14	14
157	160	1	2	2
161	168	1	14	14

169	0	0	2	2
170	171	1	14	14
172	174	1	1	1
175	180	1	14	14
181	184	1	1	1
185	192	1	14	14
193	196	1	1	1
197	204	1	14	14
205	207	1	1	1
208	213	1	14	14
214	0	0	2	2
215	216	1	14	14
217	220	1	2	2
221	228	1	14	14
229	232	1	2	2
233	240	1	14	14
241	242	1	2	2
243	246	1	14	14
247	248	1	3	3
249	252	1	14	14
253	256	1	3	3
257	264	1	14	14
265	268	1	3	3
269	276	1	14	14
277	278	1	3	3
279	282	1	14	14
283	284	1	2	2
285	288	1	14	14
289	292	1	2	2
293	300	1	14	14
301	304	1	2	2
305	312	1	14	14
313	0	0	2	2
314	315	1	14	14
316	318	1	1	1
319	324	1	14	14
325	328	1	1	1
329	672	1	14	14
673	674	1	8	8
675	696	1	9	9
697	700	1	8	8
701	722	1	9	9
723	732	1	8	8
733	776	1	9	9
777	790	1	7	7
791	867	1	6	6
868	955	1	9	9
956	971	1	8	8
972	975	1	12	13
976	0	0	4	4
977	983	1	5	5
984	991	1	10	10
992	998	1	5	5
999	1006	1	10	10
1007	1014	1	11	11
1016	1026	1	13	15

TOTAL NUMBER OF GEOMETRIC ASSIGNMENT SETS = 83  
 TOTAL NUMBER OF ELEMENTS = 1025  
 LARGEST ELEMENT NUMBER = 1026  
 LARGEST GEOMETRIC ASSIGNMENT SET NUMBER = 14  
 DATA STORAGE LOCATIONS USED = 3075

J O I N T P R O P E R T I E S

MATERIAL

giunti

8 KX = 1.000 KY = 1.000 KZ = 1.000 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Isolatori\_spalle

9 KX = 0.2230E+07 KY = 0.2230E+07 KZ = 0.2186E+10 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Incastro  
10 KX = 0.1000E+16 KY = 0.1000E+16 KZ = 0.1000E+16 KTX = 0.1000E+16 KTY = 0.1000E+16 KTZ = 0.1000E+16

M A T E R I A L P R O P E R T I E S M A S S

MATERIAL

Massa\_terreno\_SP1  
11 MX = 0.2213E+07 MY = 0.2213E+07 MZ = 0.2213E+07

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel (elastic)  
1 E = 0.2100E+12 NU = 0.3000 RHO = 7850. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3 (elastic)  
2 E = 0.3364E+11 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle (elastic)  
3 E = 0.1000E+16 NU = 0.2000 RHO = 2500. ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle\_nomassa (elastic)  
4 E = 0.1000E+16 NU = 0.2000 RHO = 0.0000E+00 ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel\_rho=0 (elastic)  
5 E = 0.2100E+12 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Rigid\_rho=0 (elastic)  
6 E = 0.2100E+15 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3\_Rigid (elastic)

7 E = 0.3364E+14 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

DATA STORAGE LOCATIONS USED = 486

M A T E R I A L A S S I G N M E N T S

SMEARED_REINFORCEMENT SET	FIRST REINFORCEMENT ELEMENT	LAST ELEMENT	DIFF-ERENCE	MATERIAL SET	NSET	STRESS PLASTIC	POTENTIAL DATA SET	CREEP SET	DAMAGE SET	LusasM ID NO.	VISCOELASTIC SET	TWO PHASE MATERIAL SET	SHRINKAGE SET	KO SET
0	1	48	1	2	0	0	0	0	0	5	0	0	0	0
0	49	52	1	1	0	0	0	0	0	1	0	0	0	0
0	53	60	1	2	0	0	0	0	0	5	0	0	0	0
0	61	63	1	1	0	0	0	0	0	1	0	0	0	0
0	64	69	1	2	0	0	0	0	0	5	0	0	0	0
0	70	0	0	1	0	0	0	0	0	1	0	0	0	0
0	71	72	1	2	0	0	0	0	0	5	0	0	0	0
0	73	76	1	1	0	0	0	0	0	1	0	0	0	0
0	77	84	1	2	0	0	0	0	0	5	0	0	0	0
0	85	88	1	1	0	0	0	0	0	1	0	0	0	0
0	89	96	1	2	0	0	0	0	0	5	0	0	0	0
0	97	98	1	1	0	0	0	0	0	1	0	0	0	0
0	99	102	1	2	0	0	0	0	0	5	0	0	0	0
0	103	104	1	1	0	0	0	0	0	1	0	0	0	0
0	105	108	1	2	0	0	0	0	0	5	0	0	0	0
0	109	112	1	1	0	0	0	0	0	1	0	0	0	0
0	113	120	1	2	0	0	0	0	0	5	0	0	0	0
0	121	124	1	1	0	0	0	0	0	1	0	0	0	0
0	125	132	1	2	0	0	0	0	0	5	0	0	0	0
0	133	134	1	1	0	0	0	0	0	1	0	0	0	0
0	135	138	1	2	0	0	0	0	0	5	0	0	0	0
0	139	140	1	1	0	0	0	0	0	1	0	0	0	0
0	141	144	1	2	0	0	0	0	0	5	0	0	0	0
0	145	148	1	1	0	0	0	0	0	1	0	0	0	0
0	149	156	1	2	0	0	0	0	0	5	0	0	0	0
0	157	160	1	1	0	0	0	0	0	1	0	0	0	0
0	161	168	1	2	0	0	0	0	0	5	0	0	0	0
0	169	0	0	1	0	0	0	0	0	1	0	0	0	0
0	170	171	1	2	0	0	0	0	0	5	0	0	0	0
0	172	174	1	1	0	0	0	0	0	1	0	0	0	0
0	175	180	1	2	0	0	0	0	0	5	0	0	0	0
0	181	184	1	1	0	0	0	0	0	1	0	0	0	0
0	185	192	1	2	0	0	0	0	0	5	0	0	0	0
0	193	196	1	1	0	0	0	0	0	1	0	0	0	0
0	197	204	1	2	0	0	0	0	0	5	0	0	0	0
0	205	207	1	1	0	0	0	0	0	1	0	0	0	0
0	208	213	1	2	0	0	0	0	0	5	0	0	0	0
0	214	0	0	1	0	0	0	0	0	1	0	0	0	0
0	215	216	1	2	0	0	0	0	0	5	0	0	0	0



0	217	220	1	1	0	0	0	0	1	0	0	0	0
0	221	228	1	2	0	0	0	0	5	0	0	0	0
0	229	232	1	1	0	0	0	0	1	0	0	0	0
0	233	240	1	2	0	0	0	0	5	0	0	0	0
0	241	242	1	1	0	0	0	0	1	0	0	0	0
0	243	246	1	2	0	0	0	0	5	0	0	0	0
0	247	248	1	1	0	0	0	0	1	0	0	0	0
0	249	252	1	2	0	0	0	0	5	0	0	0	0
0	253	256	1	1	0	0	0	0	1	0	0	0	0
0	257	264	1	2	0	0	0	0	5	0	0	0	0
0	265	268	1	1	0	0	0	0	1	0	0	0	0
0	269	276	1	2	0	0	0	0	5	0	0	0	0
0	277	278	1	1	0	0	0	0	1	0	0	0	0
0	279	282	1	2	0	0	0	0	5	0	0	0	0
0	283	284	1	1	0	0	0	0	1	0	0	0	0
0	285	288	1	2	0	0	0	0	5	0	0	0	0
0	289	292	1	1	0	0	0	0	1	0	0	0	0
0	293	300	1	2	0	0	0	0	5	0	0	0	0
0	301	304	1	1	0	0	0	0	1	0	0	0	0
0	305	312	1	2	0	0	0	0	5	0	0	0	0
0	313	0	0	1	0	0	0	0	1	0	0	0	0
0	314	315	1	2	0	0	0	0	5	0	0	0	0
0	316	318	1	1	0	0	0	0	1	0	0	0	0
0	319	324	1	2	0	0	0	0	5	0	0	0	0
0	325	328	1	1	0	0	0	0	1	0	0	0	0
0	329	672	1	2	0	0	0	0	5	0	0	0	0
0	673	674	1	6	0	0	0	0	14	0	0	0	0
0	675	696	1	5	0	0	0	0	13	0	0	0	0
0	697	700	1	6	0	0	0	0	14	0	0	0	0
0	701	722	1	5	0	0	0	0	13	0	0	0	0
0	723	776	1	6	0	0	0	0	14	0	0	0	0
0	777	867	1	1	0	0	0	0	1	0	0	0	0
0	868	869	1	5	0	0	0	0	13	0	0	0	0
0	870	871	1	6	0	0	0	0	14	0	0	0	0
0	872	873	1	5	0	0	0	0	13	0	0	0	0
0	874	875	1	6	0	0	0	0	14	0	0	0	0
0	876	877	1	5	0	0	0	0	13	0	0	0	0
0	878	879	1	6	0	0	0	0	14	0	0	0	0
0	880	881	1	5	0	0	0	0	13	0	0	0	0
0	882	883	1	6	0	0	0	0	14	0	0	0	0
0	884	885	1	5	0	0	0	0	13	0	0	0	0
0	886	887	1	6	0	0	0	0	14	0	0	0	0
0	888	889	1	5	0	0	0	0	13	0	0	0	0
0	890	891	1	6	0	0	0	0	14	0	0	0	0
0	892	893	1	5	0	0	0	0	13	0	0	0	0
0	894	895	1	6	0	0	0	0	14	0	0	0	0
0	896	897	1	5	0	0	0	0	13	0	0	0	0
0	898	899	1	6	0	0	0	0	14	0	0	0	0
0	900	901	1	5	0	0	0	0	13	0	0	0	0

0	902	903	1	6	0	0	0	0	14	0	0	0	0
0	904	905	1	5	0	0	0	0	13	0	0	0	0
0	906	907	1	6	0	0	0	0	14	0	0	0	0
0	908	909	1	5	0	0	0	0	13	0	0	0	0
0	910	911	1	6	0	0	0	0	14	0	0	0	0
0	912	913	1	5	0	0	0	0	13	0	0	0	0
0	914	915	1	6	0	0	0	0	14	0	0	0	0
0	916	917	1	5	0	0	0	0	13	0	0	0	0
0	918	919	1	6	0	0	0	0	14	0	0	0	0
0	920	921	1	5	0	0	0	0	13	0	0	0	0
0	922	923	1	6	0	0	0	0	14	0	0	0	0
0	924	925	1	5	0	0	0	0	13	0	0	0	0
0	926	927	1	6	0	0	0	0	14	0	0	0	0
0	928	929	1	5	0	0	0	0	13	0	0	0	0
0	930	931	1	6	0	0	0	0	14	0	0	0	0
0	932	933	1	5	0	0	0	0	13	0	0	0	0
0	934	935	1	6	0	0	0	0	14	0	0	0	0
0	936	937	1	5	0	0	0	0	13	0	0	0	0
0	938	939	1	6	0	0	0	0	14	0	0	0	0
0	940	941	1	5	0	0	0	0	13	0	0	0	0
0	942	943	1	6	0	0	0	0	14	0	0	0	0
0	944	945	1	5	0	0	0	0	13	0	0	0	0
0	946	947	1	6	0	0	0	0	14	0	0	0	0
0	948	949	1	5	0	0	0	0	13	0	0	0	0
0	950	951	1	6	0	0	0	0	14	0	0	0	0
0	952	953	1	5	0	0	0	0	13	0	0	0	0
0	954	971	1	6	0	0	0	0	14	0	0	0	0
0	972	975	1	7	0	0	0	0	19	0	0	0	0
0	976	1006	1	3	0	0	0	0	7	0	0	0	0
0	1007	1014	1	4	0	0	0	0	8	0	0	0	0
0	1015	0	0	11	0	0	0	0	25	0	0	0	0
0	1016	1019	1	9	0	0	0	0	16	0	0	0	0
0	1020	1024	1	10	0	0	0	0	17	0	0	0	0
0	1025	1026	1	8	0	0	0	0	9	0	0	0	0

TOTAL NUMBER OF MATERIAL ASSIGNMENT SETS = 122

F R E E D O M T E M P L A T E

COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
U	V	W	THX	THY	THZ															

C O N S T R A I N T E Q U A T I O N S

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1365	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1365	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1365	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172516
1332	0	0	THZ	1.00000
1365	0	0	U	0.172516

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.202028
1332	0	0	THZ	-1.00000
1365	0	0	V	0.202028

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172516
1332	0	0	THX	-1.00000
1332	0	0	THY	0.853922
1365	0	0	W	0.172516

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THX	1.00000
1421	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THY	1.00000
1421	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THZ	1.00000
1421	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	U	1.00000
1421	0	0	U	-1.00000
1421	0	0	THZ	0.644845

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	V	1.00000
1421	0	0	V	-1.00000
1421	0	0	THZ	0.459523

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
------------	-----------	----------	--------------	-------------

1335	0	0	W	1.00000
1421	0	0	W	-1.00000
1421	0	0	THX	-0.644845
1421	0	0	THY	-0.459523

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	THX	-1.00000
1416	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	THY	-1.00000
1416	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	THZ	-1.00000
1416	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	U	-1.00000
1366	0	0	THZ	0.628174
1416	0	0	U	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	V	-1.00000
1366	0	0	THZ	-0.887682
1416	0	0	V	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	W	-1.00000
1366	0	0	THX	-0.628174
1366	0	0	THY	0.887682
1416	0	0	W	1.00000

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1334	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1334	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1334	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172442
1332	0	0	THZ	-1.00000

1334 0 0 U 0.172442  
TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.903422
1332	0	0	THZ	-1.00000
1334	0	0	V	0.903422

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172442
1332	0	0	THX	1.00000
1332	0	0	THY	0.190876
1334	0	0	W	0.172442

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	1.00000
1414	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	-1.00000
1414	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	1.00000
1415	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	-1.00000
1415	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.266667
1332	0	0	THY	-1.00000
1332	0	0	THZ	-0.112423E-02
1417	0	0	U	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.266667
1332	0	0	THX	1.00000
1332	0	0	THZ	0.442837
1417	0	0	V	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.602178
1332	0	0	THX	0.253870E-02
1332	0	0	THY	-1.00000
1417	0	0	W	0.602178

TOTAL NUMBER OF COEFFICIENTS = 4

TOTAL NUMBER OF CONSTRAINT EQUATIONS = 51

MAXIMUM NUMBER OF COEFFICIENTS PER EQUATION = 4

LARGEST NODE NUMBER ENCOUNTERED = 1421

DATA STORAGE LOCATIONS USED = 487

S U P P O R T N O D E S

F = FREE  
 R = RESTRAINED OR RESTRAINED WITH PRESCRIBED DISPLACEMENT  
 S = SPRING

FIRST NODE	LAST NODE	DIFF RNC	SUPPORT CONDITION	SPRING CONSTANT OR PRESCRIBED VALUE FREEDOM U	SPRING CONSTANT OR PRESCRIBED VALUE FREEDOM V	SPRING CONSTANT OR PRESCRIBED VALUE FREEDOM W	SPRING CONSTANT OR PRESCRIBED VALUE FREEDOM THX	SPRING CONSTANT OR PRESCRIBED VALUE FREEDOM THY	SPRING CONSTANT OR PRESCRIBED VALUE FREEDOM THZ
1412	1413	1	R R R R R R	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1420	1422	2	R R R R R R	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1423	0	0	R R R R R R	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

TOTAL NUMBER OF SUPPORT NODES = 5  
 LARGEST NODE NUMBER = 1423  
 DATA STORAGE LOCATIONS USED = 168

L O A D C A S E 21

gk1-spalle

CBF LOAD INPUT

NUMBER OF VALUES = 9 START LOCATION = 1

FIRST ELEMENT	LAST ELEMENT	DIFF	VALUE 1	VALUE 2	VALUE 3	VALUE 4	VALUE 5	VALUE 6
976	1006	1	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00 0.00000E+00	0.00000E+00 0.00000E+00	0.00000E+00 0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 31  
 LARGEST NODE OR ELEMENT NUMBER = 1006

L O A D C A S E 22

gk1-reinterro

CBF LOAD INPUT

NUMBER OF VALUES = 9 START LOCATION = 1

FIRST ELEMENT	LAST ELEMENT	DIFF	VALUE 1	VALUE 2	VALUE 3	VALUE 4	VALUE 5	VALUE 6
1015	0	0	0.00000E+00	0.00000E+00	-9.81000	0.00000E+00 0.00000E+00	0.00000E+00 0.00000E+00	0.00000E+00 0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 1  
 LARGEST NODE OR ELEMENT NUMBER = 1015

L O A D C A S E 23

gkt-h

CONCENTRATED LOAD										
FIRST NODE	LAST NODE	DIFF RNC	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ		
1334	0	0	0.36142E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00		
1335	0	0	0.17974E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00		
1336	0	0	0.34572E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00		



1337	0	0	0.31951E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1338	0	0	0.29330E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1339	0	0	0.26709E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1340	0	0	0.24087E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1341	0	0	0.21466E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1349	0	0	3528.1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1350	0	0	0.14818E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1351	0	0	0.12701E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1352	0	0	0.10584E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1353	0	0	84674.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1354	0	0	63506.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1355	0	0	42337.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1356	0	0	21169.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1365	0	0	0.36142E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1366	0	0	0.17974E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1367	0	0	0.34572E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1368	0	0	0.31951E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1369	0	0	0.29330E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1370	0	0	0.26709E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1371	0	0	0.24087E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1372	0	0	0.21466E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1380	0	0	3528.1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1381	0	0	0.14818E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1382	0	0	0.12701E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1383	0	0	0.10584E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1384	0	0	84674.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1385	0	0	63506.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1386	0	0	42337.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1387	0	0	21169.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1396	0	0	0.21892E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1397	0	0	0.42220E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1398	0	0	0.39874E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1399	0	0	0.37529E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1404	0	0	0.21892E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1405	0	0	0.42220E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1406	0	0	0.39874E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1407	0	0	0.37529E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 40  
LARGEST NODE OR ELEMENT NUMBER = 1407

L O A D C A S E 24

Qk - tergo spalle

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
1334	0	0	50791.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1335	0	0	49556.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1336	1339	1	52202.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1340	0	0	52202.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1341	0	0	52202.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1349	0	0	23455.	0.00000E+00	-0.13427E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1350	1355	1	46911.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1356	0	0	46911.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1365	0	0	50791.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1366	0	0	49556.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1367	1370	1	52202.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1371	0	0	52202.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1372	0	0	52202.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1380	0	0	23455.	0.00000E+00	-0.13427E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1381	1385	1	46911.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1386	1387	1	46911.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1396	0	0	24690.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1397	1399	1	49380.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1404	0	0	24690.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1405	1407	1	49380.	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1417	0	0	0.00000E+00	0.00000E+00	-0.30516E+07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 41  
LARGEST NODE OR ELEMENT NUMBER = 1417

L O A D C A S E 25

Ed, effetti inerziali x

CBF LOAD INPUT

NUMBER OF VALUES = 9      START LOCATION = 1

FIRST ELEMENT	LAST ELEMENT	DIFF	VALUE 1	VALUE 2	VALUE 3	VALUE 4	VALUE 5	VALUE 6
976	1006	1	4.31453	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
1015	0	0	4.31453	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 32  
LARGEST NODE OR ELEMENT NUMBER = 1015

L O A D   C A S E      26

Ed, effetti inerziali y

CBF    LOAD INPUT

NUMBER OF VALUES = 9      START LOCATION = 1

FIRST ELEMENT	LAST ELEMENT	DIFF	VALUE 1	VALUE 2	VALUE 3	VALUE 4	VALUE 5	VALUE 6
976	1006	1	0.000000E+00	4.31453	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
1015	0	0	0.000000E+00	4.31453	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 32  
LARGEST NODE OR ELEMENT NUMBER = 1015

L O A D   C A S E      27

Ed, spinte sis terreno x - Z1

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNC	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
1334	0	0	0.25861E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1335	0	0	0.25232E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1336	1341	1	0.26579E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1349	0	0	0.11943E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1350	1356	1	0.23885E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1365	0	0	0.25861E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1366	0	0	0.25232E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1367	1372	1	0.26579E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1380	0	0	0.11943E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1381	1385	1	0.23885E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1386	1387	1	0.23885E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1396	0	0	0.12571E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1397	1399	1	0.25142E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1404	0	0	0.12571E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1405	1407	1	0.25142E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	

NUMBER OF LOADED NODES OR ELEMENTS = 40  
LARGEST NODE OR ELEMENT NUMBER = 1407

L O A D   C A S E      28

Ed, spinte sis terreno x - Z2

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNC	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
1334	0	0	0.22530E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1335	0	0	0.21982E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1336	1341	1	0.23155E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
1349	0	0	0.10404E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	

1350	1356	1	0.20809E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1365	0	0	0.22530E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1366	0	0	0.21982E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1367	1372	1	0.23155E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1380	0	0	0.10404E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1381	0	0	0.20809E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1382	1383	1	0.20809E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1384	1385	1	0.20809E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1386	1387	1	0.20809E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1396	0	0	0.10952E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1397	1399	1	0.21904E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1404	0	0	0.10952E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
1405	1407	1	0.21904E+06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 40  
LARGEST NODE OR ELEMENT NUMBER = 1407

L O A D C A S E 29

gk1+gk2\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	-44450.	302.14	-0.36326E+07	0.34095E+06	-0.15480E+06	2755.5	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 30

gsh\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	-3083.1	492.15	0.14014E-02	-53038.	15931.	11393.	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 31

Fw\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	27.174	0.25129E+06	-8350.3	-0.87384E+06	0.23514E+06	-9850.9	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 32

dTn-cool\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	-1929.3	298.71	-0.14302E-02	-62401.	20180.	6947.8	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 33

dTn-heat\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	4589.0	-710.51	-0.35794E-02	0.14843E+06	-48000.	-16526.	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1424				

L O A D C A S E 34

dTm-heat\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	-26.926	-323.02	-0.18007E-02	50736.	-17662.	-7512.3	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1424				

L O A D C A S E 35

dTm-cool\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	32.364	387.63	0.11188E-02	-60888.	21196.	9014.8	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1424				

L O A D C A S E 36

env Qk\_gr1\_2 max Fx\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1424				

L O A D C A S E 37

env Qk\_gr1\_2 min Fx\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	-11888.	154.92	-0.21957E+07	0.13485E+07	-0.48082E+06	-8359.8	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1424				



NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 43

env Qk\_comb min Fz\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	-5211.1	68.961	-0.12844E+07	0.58802E+06	-0.20968E+06	-3177.5	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 44

env Qk\_comb max Mx\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	-4038.2	27.388	-0.97428E+06	0.26731E+07	-0.93741E+06	-10523.	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 45

env Qk\_comb min Mx\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	-4318.4	80.799	-0.10371E+07	-0.24590E+07	0.85586E+06	12101.	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 46

SLC\_1g\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1424	0	0	0.11822E+07	45435.	0.11265E+06	0.13642E+06	0.96788E+06	4186.3	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 47

SLC\_tv\_imp\_sx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	

1424 0 0 49311. 0.11724E+07 50544. 0.35506E+07 0.88597E+06 4236.6

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 48

SLC\_vert\_imp\_sx

CONCENTRATED LOAD										
FIRST	LAST	DIFF	FORCE		FORCE		FORCE		FORCE	
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ		
1424	0	0	11118.	9442.6	0.93657E+06	0.29264E+07	0.10236E+07	32725.		

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 49

SLV\_lg\_imp\_sx

CONCENTRATED LOAD										
FIRST	LAST	DIFF	FORCE		FORCE		FORCE		FORCE	
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ		
1424	0	0	0.90445E+06	34761.	86192.	0.10437E+06	0.74048E+06	3202.9		

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 50

SLV\_tv\_imp\_sx

CONCENTRATED LOAD										
FIRST	LAST	DIFF	FORCE		FORCE		FORCE		FORCE	
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ		
1424	0	0	37726.	0.89701E+06	39650.	0.27167E+07	0.67794E+06	3265.6		

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 51

SLV\_vert\_imp\_sx

CONCENTRATED LOAD										
FIRST	LAST	DIFF	FORCE		FORCE		FORCE		FORCE	
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ		
1424	0	0	6606.4	5610.6	0.55651E+06	0.17389E+07	0.60819E+06	19445.		

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1424

L O A D C A S E 52

SLD\_lg\_imp\_sx

CONCENTRATED LOAD

FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
1424	0	0	0.24862E+06	9553.9	23702.	28693.	0.20355E+06	880.61	
NUMBER OF LOADED NODES OR ELEMENTS					=	1			
LARGEST NODE OR ELEMENT NUMBER					=	1424			

L O A D C A S E 53

SLD\_tv\_imp\_sx

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
1424	0	0	10369.	0.24651E+06	12177.	0.74690E+06	0.18646E+06	930.66	
NUMBER OF LOADED NODES OR ELEMENTS					=	1			
LARGEST NODE OR ELEMENT NUMBER					=	1424			

L O A D C A S E 54

SLD\_vert\_imp\_sx

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
1424	0	0	1001.4	885.64	84353.	0.26357E+06	92188.	2950.3	
NUMBER OF LOADED NODES OR ELEMENTS					=	1			
LARGEST NODE OR ELEMENT NUMBER					=	1424			

L O A D C A S E 55

gk1+gk2\_imp\_dx

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
1425	0	0	-44450.	302.14	-0.36326E+07	0.34095E+06	-0.15480E+06	2755.5	
NUMBER OF LOADED NODES OR ELEMENTS					=	1			
LARGEST NODE OR ELEMENT NUMBER					=	1425			

L O A D C A S E 56

gsh\_imp\_dx

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
1425	0	0	-3083.1	492.15	0.14014E-02	-53038.	15931.	11393.	
NUMBER OF LOADED NODES OR ELEMENTS					=	1			
LARGEST NODE OR ELEMENT NUMBER					=	1425			

L O A D C A S E 57

Fw\_imp\_dx



CONCENTRATED LOAD

FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
1425	0	0	27.174	0.25129E+06	-8350.3	-0.87384E+06	0.23514E+06	-9850.9

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1425

L O A D C A S E 58

dTn-cool\_imp\_dx

CONCENTRATED LOAD

FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
1425	0	0	-1929.3	298.71	-0.14302E-02	-62401.	20180.	6947.8

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1425

L O A D C A S E 59

dTn-heat\_imp\_dx

CONCENTRATED LOAD

FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
1425	0	0	4589.0	-710.51	-0.35794E-02	0.14843E+06	-48000.	-16526.

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1425

L O A D C A S E 60

dTm-heat\_imp\_dx

CONCENTRATED LOAD

FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
1425	0	0	-26.926	-323.02	-0.18007E-02	50736.	-17662.	-7512.3

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1425

L O A D C A S E 61

dTm-cool\_imp\_dx

CONCENTRATED LOAD

FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
1425	0	0	32.364	387.63	0.11188E-02	-60888.	21196.	9014.8

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1425

L O A D C A S E 62

env Qk\_gr1\_2 max Fx\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1425

L O A D C A S E 63

env Qk\_gr1\_2 min Fx\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	-11888.	154.92	-0.21957E+07	0.13485E+07	-0.48082E+06	-8359.8	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1425

L O A D C A S E 64

env Qk\_gr1\_2 max Fz\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1425

L O A D C A S E 65

env Qk\_gr1\_2 min Fz\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	-11888.	154.92	-0.21957E+07	0.13485E+07	-0.48082E+06	-8359.8	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1425

L O A D C A S E 66

env Qk\_gr1\_2 max Mx\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	-9217.0	82.281	-0.16750E+07	0.46558E+07	-0.16344E+07	-23469.	

NUMBER OF LOADED NODES OR ELEMENTS = 1  
LARGEST NODE OR ELEMENT NUMBER = 1425

L O A D C A S E 67

env Qk\_gr1\_2 min Mx\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE		FORCE		FORCE		FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	-9605.2	155.57	-0.17548E+07	-0.43054E+07	0.14968E+07	27042.	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1425				

L O A D C A S E 68

env Qk\_comb max Fz\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE		FORCE		FORCE		FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1425				

L O A D C A S E 69

env Qk\_comb min Fz\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE		FORCE		FORCE		FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	-5211.1	68.961	-0.12844E+07	0.58802E+06	-0.20968E+06	-3177.5	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1425				

L O A D C A S E 70

env Qk\_comb max Mx\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE		FORCE		FORCE		FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	-4038.2	27.388	-0.97428E+06	0.26731E+07	-0.93741E+06	-10523.	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1425				

L O A D C A S E 71

env Qk\_comb min Mx\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE		FORCE		FORCE		FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	-4318.4	80.799	-0.10371E+07	-0.24590E+07	0.85586E+06	12101.	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1425				

L O A D C A S E 72

SLC\_lg\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	0.11822E+07	45435.	0.11265E+06	0.13642E+06	0.96788E+06	4186.3	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1425				

L O A D C A S E 73

SLC\_tv\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	49311.	0.11724E+07	50544.	0.35506E+07	0.88597E+06	4236.6	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1425				

L O A D C A S E 74

SLC\_vert\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	11118.	9442.6	0.93657E+06	0.29264E+07	0.10236E+07	32725.	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1425				

L O A D C A S E 75

SLV\_lg\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	0.90445E+06	34761.	86192.	0.10437E+06	0.74048E+06	3202.9	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1425				

L O A D C A S E 126

SLV\_tv\_imp\_dx

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
1425	0	0	37726.	0.89701E+06	39650.	0.27167E+07	0.67794E+06	3265.6	
NUMBER OF LOADED NODES OR ELEMENTS				=	1				
LARGEST NODE OR ELEMENT NUMBER				=	1425				

L O A D C A S E 127

SLV\_vert\_imp\_dx

CONCENTRATED LOAD										
FIRST	LAST	DIFF	FORCE		FORCE		FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ		
1425	0	0	6606.4	5610.6	0.55651E+06	0.17389E+07	0.60819E+06	19445.		
NUMBER OF LOADED NODES OR ELEMENTS				=	1					
LARGEST NODE OR ELEMENT NUMBER				=	1425					

L O A D C A S E 128

SLD\_lg\_imp\_dx

CONCENTRATED LOAD										
FIRST	LAST	DIFF	FORCE		FORCE		FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ		
1425	0	0	0.24862E+06	9553.9	23702.	28693.	0.20355E+06	880.61		
NUMBER OF LOADED NODES OR ELEMENTS				=	1					
LARGEST NODE OR ELEMENT NUMBER				=	1425					

L O A D C A S E 129

SLD\_tv\_imp\_dx

CONCENTRATED LOAD										
FIRST	LAST	DIFF	FORCE		FORCE		FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ		
1425	0	0	10369.	0.24651E+06	12177.	0.74690E+06	0.18646E+06	930.66		
NUMBER OF LOADED NODES OR ELEMENTS				=	1					
LARGEST NODE OR ELEMENT NUMBER				=	1425					

L O A D C A S E 130

SLD\_vert\_imp\_dx

CONCENTRATED LOAD										
FIRST	LAST	DIFF	FORCE		FORCE		FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ		
1425	0	0	1001.4	885.64	84353.	0.26357E+06	92188.	2950.3		
NUMBER OF LOADED NODES OR ELEMENTS				=	1					
LARGEST NODE OR ELEMENT NUMBER				=	1425					

DATA STORAGE LOCATIONS USED = 1677

E L E M E N T O U T P U T

ELEMENTS WILL BE OUTPUT IN ASCENDING ORDER

FIRST	LAST	DIFF	OUTPUT	AVERAGED NODAL	NODAL FORCE	HISTORY	PLOT FILE	
ELT	ELT	RNCE	CONTROL	VALUES GROUP	OUTPUT GROUP	CONTROL	CONTROL	
1	1026	1	0	0	0	0	0	
TOTAL NUMBER OF ELEMENT OUTPUT SETS				=	1			

TOTAL NUMBER OF ELEMENTS OUTPUT = 1026  
 LARGEST ELEMENT NUMBER INPUT = 1026  
 LARGEST ELEMENT OUTPUT CONTROL NUMBER = 0  
 DATA STORAGE LOCATIONS USED = 4

N O D E O U T P U T

FIRST LAST DIFF OUTPUT HISTORY  
 NODE NODE RNCE CONTROL CONTROL  
 1 1447 1 0 0

TOTAL NUMBER OF NODE OUTPUT SETS = 1  
 TOTAL NUMBER OF NODES OUTPUT = 0  
 LARGEST NODE NUMBER INPUT = 1447  
 LARGEST NODE OUTPUT CONTROL NUMBER = 0  
 LARGEST NODE HISTORY CONTROL NUMBER = 0  
 DATA STORAGE LOCATIONS USED = 0

S U M M A R Y O F D A T A

TOTAL NUMBER OF ELEMENTS = 1026  
 TOTAL NUMBER OF CONSTRAINTS = 51  
 TOTAL NUMBER OF NODES = 1447  
 TOTAL NUMBER OF SUPPORT NODES = 5  
 TOTAL NUMBER OF LOADING CASES = 60  
 LOCATIONS USED DURING DATA PROCESSING = 78682817  
 LOCATIONS AVAILABLE = 98304000  
 TIME USED TO PROCESS INPUT DATA = 0.48200 SEC.  
 TIME AT CENTRAL PROCESSOR = 10:59:45 ON 14/05/21 (DAY/MTH/YR)  
 INITIAL ESTIMATE OF NUMBER OF EDGES IN STRUCTURE = 2178  
 INITIAL ESTIMATE OF NUMBER OF FACES IN STRUCTURE = 576

\*\*\*WARNING\*\*\* THE FAST PARALLEL SOLVER WILL BE USED AS DEFAULT IF  
 CONSTRAINT EQUATIONS ARE PRESENT - EXPLICITLY SPECIFYING  
 THE SOLVER TYPE WILL OVERRIDE (SOLTYP PROCESSOR)

E S T I M A T E O F M O D E L G E O M E T R I C P R O P E R T I E S A N D L O A D I N G

MATERIAL SET	GEOMETRIC SUMMARY			ELEMENT MASS KG	CENTRE OF GRAVITY		
	LENGTH M	AREA sq M	VOLUME cu M		X-COORD M	Y-COORD M	Z-COORD M
2	0.000000E+00	532.425	159.728	399319.	25.2505	5.72500	0.121081E-12
1	183.200	0.000000E+00	15.7406	123564.	25.2855	5.82500	-0.182129
6	27.2001	0.000000E+00	0.912090	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
5	35.1999	0.000000E+00	0.573070	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
7	3.20000	0.000000E+00	4.60800	11520.0	25.2855	5.82500	-2.80000
3	17.0000	0.000000E+00	805.715	0.201429E+07	1.56127	12.2685	-6.63446
4	4.00000	0.000000E+00	40.0000	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
11	0.000000E+00	0.000000E+00	0.000000E+00	0.221253E+07	-1.19156	12.2647	-3.15000
9	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
10	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
8	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
TOTALS FOR STRUCTURE	269.800	532.425	1027.28	0.476122E+07	2.94193	11.5351	-4.28208

MATERIAL SET	MOMENTS OF INERTIA ABOUT GLOBAL DIRECTIONS WITH ORIGIN AT (0,0,0)					
	Ixx KG M **2	Iyy KG M **2	Izz KG M **2	Ixy KG M **2	Iyz KG M **2	Ixz KG M **2
2	0.175153E+08	0.327159E+09	0.344675E+09	-0.592724E+08	-0.705297E-12	-0.220852E-11
1	0.538346E+07	0.100565E+09	0.105904E+09	-0.186078E+08	131089.	569040.
6	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
5	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
7	606600.	0.136999E+08	0.141222E+08	-0.173994E+07	187891.	815609.
3	0.425618E+09	0.109868E+09	0.339453E+09	-0.466740E+08	0.163954E+09	0.159293E+08
4	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
11	0.354769E+09	0.250953E+08	0.335957E+09	0.323343E+08	0.854785E+08	-0.830457E+07
9	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
10	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
8	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
TOTALS FOR STRUCTURE	0.803892E+09	0.576388E+09	0.114011E+10	-0.939598E+08	0.249752E+09	0.900934E+07

MATERIAL SET	----- MOMENTS OF INERTIA ABOUT GLOBAL DIRECTIONS WITH ORIGINS AT CENTROIDS -----											
	Ixx		Iyy		Izz		Ixy		Iyz		Ixz	
	KG	M **2	KG	M **2	KG	M **2	KG	M **2	KG	M **2	KG	M **2
2	0.442734E+07		0.725578E+08		0.769852E+08		-0.154714E+07		0.276803E-06		0.122086E-05	
1	0.118676E+07		0.215597E+08		0.227094E+08		-408270.		0.116415E-09		0.221189E-08	
6	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
5	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
7	125402.		0.624421E+07		0.636593E+07		-43179.7		0.000000E+00		0.116415E-09	
3	0.337762E+08		0.162971E+08		0.313622E+08		-0.809149E+07		2037.23		-0.493513E+07	
4	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
11	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
9	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
10	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
8	0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00		0.000000E+00	
TOTALS FOR STRUCTURE	0.830675E+08		0.447877E+09		0.465380E+09		0.676143E+08		0.145745E+08		-0.509705E+08	

MATERIAL SET	----- PRINCIPAL MOMENTS OF INERTIA ABOUT CENTROIDAL AXES -----											
	I 11		I 22		I 33		PRINCIPAL DIRECTIONS					
	KG	M **2	KG	M **2	KG	M **2						
2	0.769852E+08		0.725929E+08		0.439223E+07		( 0.00, 0.00, 1.00)	(-0.02, 1.00, -0.00)	( 1.00, 0.02, -0.00)			
1	0.227094E+08		0.215678E+08		0.117858E+07		( 0.00, 0.00, 1.00)	(-0.02, 1.00, 0.00)	( 1.00, 0.02, -0.00)			
6	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
5	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
7	0.636593E+07		0.624452E+07		125098.		( 0.00, 0.00, 1.00)	(-0.01, 1.00, 0.00)	( 1.00, 0.01, -0.00)			
3	0.395617E+08		0.289317E+08		0.129421E+08		( 0.82, -0.29, -0.49)	(-0.43, 0.27, -0.86)	( 0.38, 0.92, 0.10)			
4	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
11	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
9	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
10	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
8	0.000000E+00		0.000000E+00		0.000000E+00		( 1.00, 0.00, 0.00)	( 0.00, 1.00, 0.00)	( 0.00, 0.00, 1.00)			
TOTALS FOR STRUCTURE	0.474279E+09		0.458038E+09		0.640070E+08		(-0.06, 0.36, 0.93)	( 0.21, 0.91, -0.34)	( 0.98, -0.18, 0.13)			

FORCE OUTPUT GROUP	----- RESULTANT APPLIED LOAD AT ORIGIN IN GLOBAL DIRECTIONS -----											
	Fx		Fy		Fz		Mx		My		Mz	
	N	N	N	N	N	N	.M	.M	N	.M	N	.M
LOAD CASE 21												
TOTALS FOR STRUCTURE	0.355271E-14	-0.888178E-14	-0.197602E+08	-0.242840E+09	0.296029E+08	0.134471E-12						
LOAD CASE 22												
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.217049E+08	-0.266205E+09	-0.258628E+08	0.000000E+00						
LOAD CASE 23												
TOTALS FOR STRUCTURE	0.846741E+07	0.000000E+00	0.000000E+00	0.000000E+00	-0.485465E+08	-0.103875E+09						
LOAD CASE 24												
TOTALS FOR STRUCTURE	0.187643E+07	0.000000E+00	-0.332017E+07	-0.407216E+08	-0.104845E+08	-0.230195E+08						
LOAD CASE 25												
TOTALS FOR STRUCTURE	0.182367E+08	-0.177351E-09	0.186517E-13	-0.159046E-08	-0.877283E+08	-0.223883E+09						
LOAD CASE 26												
TOTALS FOR STRUCTURE	0.196451E-09	0.182367E+08	0.222045E-14	0.877283E+08	-0.161554E-08	0.164495E+07						
LOAD CASE 27												
TOTALS FOR STRUCTURE	0.955414E+07	0.000000E+00	0.000000E+00	0.000000E+00	-0.396497E+08	-0.117207E+09						
LOAD CASE 28												
TOTALS FOR STRUCTURE	0.832341E+07	0.000000E+00	0.000000E+00	0.000000E+00	-0.345422E+08	-0.102109E+09						
LOAD CASE 29												
TOTALS FOR STRUCTURE	-44449.9	302.141	-0.363262E+07	-0.675650E+08	0.228968E+08	835591.						
LOAD CASE 30												
TOTALS FOR STRUCTURE	-3083.12	492.145	0.140136E-02	-51463.4	25797.0	72131.9						
LOAD CASE 31												
TOTALS FOR STRUCTURE	27.1741	251295.	-8350.27	-225792.	287718.	0.157445E+07						
LOAD CASE 32												
TOTALS FOR STRUCTURE	-1929.33	298.715	-0.143019E-02	-61445.1	26353.9	44897.9						
LOAD CASE 33												
TOTALS FOR STRUCTURE	4589.05	-710.514	-0.357937E-02	146151.	-62684.6	-106793.						
LOAD CASE 34												
TOTALS FOR STRUCTURE												

STRUCTURE	-26.9259	-323.019	-0.180074E-02	49702.7	-17575.7	-9046.10
LOAD CASE	35					
TOTALS FOR						
STRUCTURE	32.3638	387.626	0.111877E-02	-59647.2	21092.1	10854.4
LOAD CASE	36					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
LOAD CASE	37					
TOTALS FOR						
STRUCTURE	-11888.4	154.924	-0.219568E+07	-0.396962E+08	0.134044E+08	214854.
LOAD CASE	38					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
LOAD CASE	39					
TOTALS FOR						
STRUCTURE	-11888.4	154.924	-0.219568E+07	-0.396962E+08	0.134044E+08	214854.
LOAD CASE	40					
TOTALS FOR						
STRUCTURE	-9216.98	82.2815	-0.167498E+07	-0.266555E+08	0.895846E+07	149349.
LOAD CASE	41					
TOTALS FOR						
STRUCTURE	-9605.18	155.572	-0.175481E+07	-0.371086E+08	0.125944E+08	207579.
LOAD CASE	42					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
LOAD CASE	43					
TOTALS FOR						
STRUCTURE	-5211.14	68.9613	-0.128439E+07	-0.234217E+08	0.790709E+07	94672.6
LOAD CASE	44					
TOTALS FOR						
STRUCTURE	-4038.15	27.3879	-974277.	-0.155396E+08	0.521986E+07	65137.2
LOAD CASE	45					
TOTALS FOR						
STRUCTURE	-4318.35	80.7993	-0.103712E+07	-0.218463E+08	0.741036E+07	93336.7
LOAD CASE	46					
TOTALS FOR						
STRUCTURE	0.118220E+07	45435.2	112654.	0.238773E+07	-0.352561E+07	-0.218089E+08
LOAD CASE	47					
TOTALS FOR						
STRUCTURE	49310.8	0.117245E+07	50544.0	0.824725E+07	409412.	0.647656E+07
LOAD CASE	48					
TOTALS FOR						
STRUCTURE	11118.3	9442.58	936571.	0.204646E+08	-0.491857E+07	-115567.
LOAD CASE	49					
TOTALS FOR						
STRUCTURE	904452.	34761.1	86192.5	0.182686E+07	-0.269734E+07	-0.166851E+08
LOAD CASE	50					
TOTALS FOR						
STRUCTURE	37726.3	897012.	39650.1	0.632833E+07	307160.	0.495509E+07
LOAD CASE	51					
TOTALS FOR						
STRUCTURE	6606.41	5610.59	556509.	0.121600E+08	-0.292261E+07	-68669.4
LOAD CASE	52					
TOTALS FOR						
STRUCTURE	248619.	9553.90	23701.8	502339.	-741510.	-0.458646E+07
LOAD CASE	53					
TOTALS FOR						
STRUCTURE	10369.2	246511.	12177.0	0.176337E+07	76482.9	0.136173E+07
LOAD CASE	54					
TOTALS FOR						
STRUCTURE	1001.38	885.643	84353.1	0.184327E+07	-442996.	-10183.9
LOAD CASE	55					
TOTALS FOR						
STRUCTURE	-44449.9	302.141	-0.363262E+07	-0.208181E+08	0.738164E+07	262291.
LOAD CASE	56					
TOTALS FOR						
STRUCTURE	-3083.12	492.145	0.140136E-02	-51463.5	25797.0	30354.3
LOAD CASE	57					
TOTALS FOR						
STRUCTURE	27.1741	251295.	-8350.27	-118335.	252053.	501501.
LOAD CASE	58					
TOTALS FOR						
STRUCTURE	-1929.33	298.715	-0.143019E-02	-61445.1	26353.9	18794.2



LOAD CASE TOTALS FOR STRUCTURE	59	4589.05	-710.514	-0.357937E-02	146152.	-62684.6	-44703.4
LOAD CASE TOTALS FOR STRUCTURE	60	-26.9259	-323.019	-0.180074E-02	49702.7	-17575.7	-8012.97
LOAD CASE TOTALS FOR STRUCTURE	61	32.3638	387.626	0.111877E-02	-59647.2	21092.1	9615.34
LOAD CASE TOTALS FOR STRUCTURE	62	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
LOAD CASE TOTALS FOR STRUCTURE	63	-11888.4	154.924	-0.219568E+07	-0.114408E+08	0.402652E+07	61205.3
LOAD CASE TOTALS FOR STRUCTURE	64	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
LOAD CASE TOTALS FOR STRUCTURE	65	-11888.4	154.924	-0.219568E+07	-0.114408E+08	0.402652E+07	61205.3
LOAD CASE TOTALS FOR STRUCTURE	66	-9216.98	82.2815	-0.167498E+07	-0.510073E+07	0.180449E+07	30387.7
LOAD CASE TOTALS FOR STRUCTURE	67	-9605.18	155.572	-0.175481E+07	-0.145266E+08	0.509950E+07	83308.5
LOAD CASE TOTALS FOR STRUCTURE	68	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
LOAD CASE TOTALS FOR STRUCTURE	69	-5211.14	68.9613	-0.128439E+07	-0.689333E+07	0.242137E+07	27317.8
LOAD CASE TOTALS FOR STRUCTURE	70	-4038.15	27.3879	-974277.	-0.300194E+07	0.105866E+07	13054.7
LOAD CASE TOTALS FOR STRUCTURE	71	-4318.35	80.7993	-0.103712E+07	-0.849997E+07	0.298074E+07	37420.2
LOAD CASE TOTALS FOR STRUCTURE	72	0.118220E+07	45435.2	112654.	938019.	-0.304446E+07	-0.678963E+07
LOAD CASE TOTALS FOR STRUCTURE	73	49310.8	0.117245E+07	50544.0	0.759682E+07	625288.	0.210352E+07
LOAD CASE TOTALS FOR STRUCTURE	74	11118.3	9442.58	936571.	0.841216E+07	-918405.	-12818.8
LOAD CASE TOTALS FOR STRUCTURE	75	904452.	34761.1	86192.5	717678.	-0.232921E+07	-0.519447E+07
LOAD CASE TOTALS FOR STRUCTURE	126	37726.3	897012.	39650.1	0.581808E+07	476508.	0.160938E+07
LOAD CASE TOTALS FOR STRUCTURE	127	6606.41	5610.59	556509.	0.499847E+07	-545721.	-7617.09
LOAD CASE TOTALS FOR STRUCTURE	128	248619.	9553.90	23701.8	197328.	-640278.	-0.142788E+07
LOAD CASE TOTALS FOR STRUCTURE	129	10369.2	246511.	12177.0	0.160666E+07	128492.	442304.
LOAD CASE TOTALS FOR STRUCTURE	130	1001.38	885.643	84353.1	757761.	-82717.3	-1080.07

AVERAGE ASPECT RATIO OF STRUCTURAL ELEMENTS (EXCEPT JOINTS, BARS AND BEAMS) = 1.200  
AVERAGE VALUE OF POISSON'S RATIO (FOR ISOTROPIC MATERIALS ONLY) = 0.2390

TOTAL TIME FOR GLOBAL MATRIX ASSEMBLY = 0.18000E-01 SEC.  
TOTAL NUMBER OF NONZERO ENTRIES IN THE MATRIX = 118388

LOCATIONS USED DURING PRE-SOLUTION PROCESS = 2094521

LOCATIONS AVAILABLE = 98304000  
 TOTAL NO. OF STRUCTURAL DEGREES OF FREEDOM = 5907  
 TOTAL NO. OF ACTIVE DEGREES OF FREEDOM = 5907  
 TOTAL NO. OF EQUATIONS = 5958  
 TOTAL NO. OF ACTIVE NODES = 985  
 NUMBER OF ELEMENT GROUPS = 34  
 MAXIMUM NUMBER OF ELEMENTS IN A GROUP = 32  
 MAXIMUM SIZE OF ELEMENT DATA RECORDS = 587177  
 MAXIMUM SIZE OF ELEMENT RESULT RECORDS = 914211  
 MAXIMUM SIZE OF ELEMENT SOLUTION RECORDS = 0  
 MAXIMUM SIZE OF ELEMENT SHAPE RECORDS = 169550  
 TOTAL SIZE OF ELEMENT DATA RECORDS = 12463095  
 TOTAL SIZE OF ELEMENT RESULT RECORDS = 23691563  
 TOTAL SIZE OF ELEMENT SOLUTION RECORDS = 0  
 TOTAL SIZE OF GLOBAL SOLUTION RECORD = 37848  
 TOTAL SIZE OF GLOBAL MATRIX & RHS RECORDS = 541048  
 TIME FOR PRE-SOLUTION PROCESS = 0.12500 SEC. (ALL ELEMENT STIFFNESS MATRICES)

TIME AT CENTRAL PROCESSOR = 10:59:45 ON 14/05/21 (DAY/MTH/YR)

SOLUTION BY FRONTAL SPARSE MATRIX TECHNIQUE

=====  
 = Parallel multifrontal solver statistics =  
 =====

Solving symmetric indefinite matrix  
 Minimum degree equation re-ordering algorithm used  
 Number of nonzeros in L and U = 389982  
 Number of iterative refinement steps = 4  
 Number of positive eigenvalues = 5877  
 Number of negative eigenvalues = 51  
 Peak memory used during analysis and  
 symbolic factorisation (MB) = 4.69  
 Total peak memory used during solve (MB) = 13.80  
 In-memory/out-of-memory solution executed

FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 1 = 0.73567E-31  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 2 = 0.12653E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 3 = 0.93802E-31  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 4 = 0.66093E-31  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 5 = 0.21216E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 6 = 0.19145E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 7 = 0.31313E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 8 = 0.74383E-31  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 9 = 0.28879E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 10 = 0.59435E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 11 = 0.44648E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 12 = 0.26884E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 13 = 0.19432E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 14 = 0.22870E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 15 = 0.19057E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 16 = 0.00000E+00  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 17 = 0.11945E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 18 = 0.00000E+00  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 19 = 0.11945E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 20 = 0.10001E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 21 = 0.16814E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 22 = 0.00000E+00  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 23 = 0.20419E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 24 = 0.13459E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 25 = 0.24592E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 26 = 0.42376E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 27 = 0.10478E-29  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 28 = 0.18023E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 29 = 0.57994E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 30 = 0.34239E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 31 = 0.14729E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 32 = 0.82434E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 33 = 0.12459E-29  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 34 = 0.19432E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 35 = 0.14433E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 36 = 0.10825E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 37 = 0.21135E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 38 = 0.60148E-31  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 39 = 0.10811E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 40 = 0.22870E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 41 = 0.19057E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 42 = 0.00000E+00  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 43 = 0.81625E-31  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 44 = 0.00000E+00  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 45 = 0.81625E-31  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 46 = 0.31302E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 47 = 0.74695E-31  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 48 = 0.00000E+00  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 49 = 0.20411E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 50 = 0.26907E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 51 = 0.86889E-31  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 52 = 0.26333E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 53 = 0.43213E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 54 = 0.69976E-31  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 55 = 0.57969E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 56 = 0.28245E-30  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 57 = 0.44162E-31

FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 58 = 0.10544E-29  
FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 59 = 0.36457E-30  
FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 60 = 0.97118E-31

TOTAL ELAPSED TIME USED SOLVING EQUATIONS = 0 HRS 0 MINS 0 SECS

LOCATIONS USED DURING POST-SOLUTION PROCESS = 2639085  
LOCATIONS AVAILABLE = 98304000

ACTUAL TOTAL NO. EDGES IN STRUCTURE = 1565  
ACTUAL TOTAL NO. FACES IN STRUCTURE = 576

TIME FOR POST-SOLUTION PROCESS = 2.4310 SEC.

TOTAL CPU TIME USED FOR SOLUTION = 3.0400 SEC.

TOTAL ELAPSED TIME USED FOR SOLUTION = 0 HRS 0 MINS 3 SECS

TIME AT CENTRAL PROCESSOR = 10:59:47 ON 14/05/21 (DAY/MTH/YR)

I/O STATISTICS OF MAIN DIRECT ACCESS DISK UNITS

Disk Unit Name	Disk Page Size (Bytes)	Calls to I/O Routines	Buffered Transfers	Disk Accesses	Page Table Swaps	Peak File Size (Mbytes)
PROBLEM	16384	719	2709	908	0	10.54688
FRONTAL	16384	0	0	0	0	0.1562500E-01
SHAPES	16384	46	467	421	0	3.468750
PLOT	16384	61757	62617	1070	0	22.75000
RESTART	0	0	0	0	0	0.0000000E+00

\*\*\*LUSAS RUN SUCCESSFULLY COMPLETED\*\*\*

TIME AT CENTRAL PROCESSOR = 11:00:06 ON 14/05/21 (DAY/MTH/YR)

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

NLPZ 98304000  
NPGS 960  
MXELGP 32

S Y S T E M P A R A M E T E R I N P U T

VBNAME VALUE

IDTIME 1

LL UU UU SSSSSS AAAA SSSSSS  
LL UU UU SS SS AA AA SS SS  
LL UU UU SS AA AA SS  
LL UU UU SSSSSS AAAAAAAA SSSSSS  
LL UU UU SSSSSS AAAAAAAA SSSSSS  
LL UU UU SS AA AA SS  
LLLLLLLLL UU UU SS SS AA AA SS SS  
LLLLLLLLL UUUUUU SSSSSS AA AA SSSSSS

Build Information : KITBUILD03 - Feb 16 2021 02:12:17

Kit Version : 19.1-B3  
Solver Version : 19.1.1233.7156 (32-bit)

Developed by: LUSAS,  
Forge House,  
66 High Street,  
Kingston upon Thames,  
Surrey, KT1 1HN, UK  
www.lusas.com  
  
Sales Enquiries: Tel +44 (0)20 8541 1999  
Fax +44 (0)20 8549 9399  
Email: info@lusas.com  
  
Customer Support: Tel +44 (0)20 3325 0440  
Fax +44 (0)20 8549 9399  
Email: support@lusas.com

KeyID 15062 licensed on PC processor. Expires 1-07-2021  
Using Sentinel license server.  
Analysis Options : Nonlinear, Dynamics, Thermal/Field, FDS (Fast Direct Solver)  
Element Library : Plus

Solver executed : C:\Program Files (x86)\LUSAS191\Programs\Lusas\_S.exe  
Input file :

V:\100\_comesse\100\_699\571\_343\_Imp\_misti\_Ragusana\_SS194\_Sintagma.AS\L4\_VI05\_06\_Buonafede\modelli\sottostrutture\LUSASFiles32\Buonafede\_sottostr\_r02  
\Buonafede\_sottostr\_r02~VLO Analysis 2.dat

Number of processors available : 4  
Maximum number of threads available : 4

Memory request for 1105Mb Succeeded

TIME AT CENTRAL PROCESSOR = 11:00:07 ON 14/05/21 (DAY/MTH/YR)

P R O B L E M 1

Viadotto Buonafede - sottostrutture

U N I T S N M K G S C

GRAVITY DIRECTION = Z ACCELERATION = -9.810

O P T I O N(S) 2 SUPPRESS NODE COORDINATE CHECKS FOR SIMILAR COORDS AND MISSING NODES

O P T I O N(S) 48 SWITCH CBF/BFP INPUT FROM FORCE/UNIT VOLUME TO ACCELERATION

O P T I O N(S) 61 ALL TWO DIMENSIONAL SLIDELINE SURFACES DEFINED WITH OUTWARD NORMALS

O P T I O N(S) 123 CLOCKWISE NODE NUMBERING

O P T I O N(S) -131 PARALLEL FRONTAL SOLVER ALGORITHM

O P T I O N(S) 242 TEMPERATURES INPUT AND OUTPUT IN DEGREES CELSIUS  
 O P T I O N(S) 250 DATAFILE HAS BEEN CREATED BY MODELLER  
 O P T I O N(S) 253 EMISSIVITY SPECIFIED IN THERMAL ENVIRONMENT PROPERTIES  
 O P T I O N(S) 259 SAVE NODAL STRESSES IN PLOT FILE TO AVOID STRESS EXTRAPOLATION IN MODELLER  
 O P T I O N(S) 272 ACTIVATE OR DEACTIVATE ELEMENTS  
 O P T I O N(S) 278 ASSIGN SIX DEGREES OF FREEDOM TO ALL THICK SHELL ELEMENT NODES  
 O P T I O N(S) -282 F SET SLOANE FRONTAL OPTIMISER AS DEFAULT  
 O P T I O N(S) 324 SPECIFY DAMPING PROPERTIES FOR JOINT PROPERTIES GENERAL EXPLICITLY  
 O P T I O N(S) 386 USE OF WEIGHTED FORCE/STIFFNESS DISTRIBUTION WITH SLIDELINES  
 O P T I O N(S) 396 IMPROVED TOP/MIDDLE/BOTTOM TRANSVERSE SHEAR STRESS CALCULATION FOR THICK SHELL ELEMENTS  
 O P T I O N(S) 399 RETAIN INACTIVE ELEMENTS IN BIRTH AND DEATH SOLUTION (OLD ANALYSIS TYPE)  
 O P T I O N(S) 414 INTRODUCE RESIDUAL BENDING FLEXIBILITY CORRECTION FOR 2-NODE THICK BEAM BTS3  
 O P T I O N(S) 416 DATA FILE CREATED IN V15.0 OR LATER  
 O P T I O N(S) 433 USE HERMITIAN SHAPE FUNCTIONS TO FORMULATE THE MASS MATRIX FOR 2-NODE THICK BEAMS

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
JSH4	ELEMENTS			
1016	1319	1288	1426	1427
1017	1325	1296	1428	1429
1018	1322	1304	1430	1431
1019	1328	1312	1432	1433
1020	1412	1414	1434	1435
1021	1413	1415	1436	1437
1022	1416	1424	1438	1439
1023	1420	1331	1440	1441
1024	1421	1425	1442	1443
1025	1422	492	1444	1445
1026	1423	714	1446	1447

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS			
QTS4	ELEMENTS			
1	1	3	8	7
2	3	4	9	8
3	4	5	10	9
4	5	2	6	10
5	2	12	15	6
6	12	13	16	15
7	13	11	14	16
8	11	17	18	14
9	17	20	24	18
10	20	21	25	24
11	21	22	26	25
12	22	19	23	26
13	19	28	32	23
14	28	29	33	32
15	29	30	34	33
16	30	27	31	34
17	27	36	38	31
18	36	35	37	38
19	35	40	42	37
20	40	39	41	42
21	39	44	48	41
22	44	45	49	48

23	45	46	50	49
24	46	43	47	50
25	43	52	56	47
26	52	53	57	56
27	53	54	58	57
28	54	51	55	58
29	51	60	62	55
30	60	59	61	62
31	59	64	66	61
32	64	63	65	66
33	63	68	72	65
34	68	69	73	72
35	69	70	74	73
36	70	67	71	74
37	67	76	80	71
38	76	77	81	80
39	77	78	82	81
40	78	75	79	82
41	75	83	84	79
42	83	86	89	84
43	86	87	90	89
44	87	85	88	90
45	85	92	96	88
46	92	93	97	96
47	93	94	98	97
48	94	91	95	98
53	7	8	110	109
54	8	9	111	110
55	9	10	112	111
56	10	6	100	112
57	109	110	102	101
58	110	111	103	102
59	111	112	104	103
60	112	100	99	104
64	6	15	120	100
65	15	16	121	120
66	16	14	114	121
67	100	120	115	99
68	120	121	116	115
69	121	114	113	116
71	14	18	123	114
72	114	123	122	113
77	18	24	134	123
78	24	25	135	134
79	25	26	136	135
80	26	23	126	136
81	123	134	127	122
82	134	135	128	127
83	135	136	129	128
84	136	126	125	129
89	23	32	146	126
90	32	33	147	146
91	33	34	148	147
92	34	31	138	148
93	126	146	139	125
94	146	147	140	139
95	147	148	141	140
96	148	138	137	141
99	31	38	154	138
100	38	37	150	154
101	138	154	151	137
102	154	150	149	151
105	37	42	160	150
106	42	41	156	160
107	150	160	157	149
108	160	156	155	157
113	41	48	170	156
114	48	49	171	170
115	49	50	172	171
116	50	47	162	172
117	156	170	163	155
118	170	171	164	163
119	171	172	165	164
120	172	162	161	165
125	47	56	182	162
126	56	57	183	182
127	57	58	184	183
128	58	55	174	184
129	162	182	175	161
130	182	183	176	175
131	183	184	177	176
132	184	174	173	177
135	55	62	190	174
136	62	61	186	190
137	174	190	187	173
138	190	186	185	187
141	61	66	196	186
142	66	65	192	196
143	186	196	193	185
144	196	192	191	193
149	65	72	206	192
150	72	73	207	206
151	73	74	208	207
152	74	71	198	208
153	192	206	199	191
154	206	207	200	199
155	207	208	201	200
156	208	198	197	201

161	71	80	218	198
162	80	81	219	218
163	81	82	220	219
164	82	79	210	220
165	198	218	211	197
166	218	219	212	211
167	219	220	213	212
168	220	210	209	213
170	79	84	222	210
171	210	222	221	209
175	84	89	231	222
176	89	90	232	231
177	90	88	225	232
178	222	231	226	221
179	231	232	227	226
180	232	225	224	227
185	88	96	242	225
186	96	97	243	242
187	97	98	244	243
188	98	95	234	244
189	225	242	235	224
190	242	243	236	235
191	243	244	237	236
192	244	234	233	237
197	245	247	261	260
198	247	248	262	261
199	248	249	263	262
200	249	246	255	263
201	260	261	257	256
202	261	262	258	257
203	262	263	259	258
204	263	255	254	259
208	246	265	274	255
209	265	266	275	274
210	266	264	271	275
211	255	274	272	254
212	274	275	273	272
213	275	271	270	273
215	264	276	279	271
216	271	279	278	270
221	276	281	293	279
222	281	282	294	293
223	282	283	295	294
224	283	280	289	295
225	279	293	290	278
226	293	294	291	290
227	294	295	292	291
228	295	289	288	292
233	280	297	309	289
234	297	298	310	309
235	298	299	311	310
236	299	296	305	311
237	289	309	306	288
238	309	310	307	306
239	310	311	308	307
240	311	305	304	308
243	296	313	319	305
244	313	312	317	319
245	305	319	318	304
246	319	317	316	318
249	312	321	327	317
250	321	320	325	327
251	317	327	326	316
252	327	325	324	326
257	320	329	341	325
258	329	330	342	341
259	330	331	343	342
260	331	328	337	343
261	325	341	338	324
262	341	342	339	338
263	342	343	340	339
264	343	337	336	340
269	328	345	357	337
270	345	346	358	357
271	346	347	359	358
272	347	344	353	359
273	337	357	354	336
274	357	358	355	354
275	358	359	356	355
276	359	353	352	356
279	344	361	367	353
280	361	360	365	367
281	353	367	366	352
282	367	365	364	366
285	360	369	375	365
286	369	368	373	375
287	365	375	374	364
288	375	373	372	374
293	368	377	389	373
294	377	378	390	389
295	378	379	391	390
296	379	376	385	391
297	373	389	386	372
298	389	390	387	386
299	390	391	388	387
300	391	385	384	388
305	376	393	405	385
306	393	394	406	405

307	394	395	407	406
308	395	392	401	407
309	385	405	402	384
310	405	406	403	402
311	406	407	404	403
312	407	401	400	404
314	392	408	411	401
315	401	411	410	400
319	408	413	422	411
320	413	414	423	422
321	414	412	419	423
322	411	422	420	410
323	422	423	421	420
324	423	419	418	421
329	412	425	437	419
330	425	426	438	437
331	426	427	439	438
332	427	424	433	439
333	419	437	434	418
334	437	438	435	434
335	438	439	436	435
336	439	433	432	436
337	256	257	442	441
338	257	258	443	442
339	258	259	444	443
340	259	254	440	444
341	254	272	446	440
342	272	273	447	446
343	273	270	445	447
344	270	278	448	445
345	278	290	450	448
346	290	291	451	450
347	291	292	452	451
348	292	288	449	452
349	288	306	454	449
350	306	307	455	454
351	307	308	456	455
352	308	304	453	456
353	304	318	458	453
354	318	316	457	458
355	316	326	460	457
356	326	324	459	460
357	324	338	462	459
358	338	339	463	462
359	339	340	464	463
360	340	336	461	464
361	336	354	466	461
362	354	355	467	466
363	355	356	468	467
364	356	352	465	468
365	352	366	470	465
366	366	364	469	470
367	364	374	472	469
368	374	372	471	472
369	372	386	474	471
370	386	387	475	474
371	387	388	476	475
372	388	384	473	476
373	384	402	478	473
374	402	403	479	478
375	403	404	480	479
376	404	400	477	480
377	400	410	481	477
378	410	420	483	481
379	420	421	484	483
380	421	418	482	484
381	418	434	486	482
382	434	435	487	486
383	435	436	488	487
384	436	432	485	488
385	101	102	498	496
386	102	103	499	498
387	103	104	500	499
388	104	99	490	500
389	496	498	501	497
390	498	499	502	501
391	499	500	503	502
392	500	490	491	503
393	497	501	495	492
394	501	502	494	495
395	502	503	493	494
396	503	491	489	493
397	492	495	508	506
398	495	494	509	508
399	494	493	510	509
400	493	489	504	510
401	506	508	511	507
402	508	509	512	511
403	509	510	513	512
404	510	504	505	513
405	507	511	247	245
406	511	512	248	247
407	512	513	249	248
408	513	505	246	249
409	99	115	519	490
410	115	116	520	519
411	116	113	515	520
412	490	519	521	491



413	519	520	522	521
414	520	515	516	522
415	491	521	518	489
416	521	522	517	518
417	522	516	514	517
418	489	518	525	504
419	518	517	526	525
420	517	514	523	526
421	504	525	527	505
422	525	526	528	527
423	526	523	524	528
424	505	527	265	246
425	527	528	266	265
426	528	524	264	266
427	113	122	530	515
428	515	530	531	516
429	516	531	529	514
430	514	529	532	523
431	523	532	533	524
432	524	533	276	264
433	122	127	540	530
434	127	128	541	540
435	128	129	542	541
436	129	125	535	542
437	530	540	543	531
438	540	541	544	543
439	541	542	545	544
440	542	535	536	545
441	531	543	539	529
442	543	544	538	539
443	544	545	537	538
444	545	536	534	537
445	529	539	548	532
446	539	538	549	548
447	538	537	550	549
448	537	534	546	550
449	532	548	551	533
450	548	549	552	551
451	549	550	553	552
452	550	546	547	553
453	533	551	281	276
454	551	552	282	281
455	552	553	283	282
456	553	547	280	283
457	125	139	560	535
458	139	140	561	560
459	140	141	562	561
460	141	137	555	562
461	535	560	563	536
462	560	561	564	563
463	561	562	565	564
464	562	555	556	565
465	536	563	559	534
466	563	564	558	559
467	564	565	557	558
468	565	556	554	557
469	534	559	568	546
470	559	558	569	568
471	558	557	570	569
472	557	554	566	570
473	546	568	571	547
474	568	569	572	571
475	569	570	573	572
476	570	566	567	573
477	547	571	297	280
478	571	572	298	297
479	572	573	299	298
480	573	567	296	299
481	137	151	578	555
482	151	149	575	578
483	555	578	579	556
484	578	575	576	579
485	556	579	577	554
486	579	576	574	577
487	554	577	582	566
488	577	574	580	582
489	566	582	583	567
490	582	580	581	583
491	567	583	313	296
492	583	581	312	313
493	149	157	588	575
494	157	155	585	588
495	575	588	589	576
496	588	585	586	589
497	576	589	587	574
498	589	586	584	587
499	574	587	592	580
500	587	584	590	592
501	580	592	593	581
502	592	590	591	593
503	581	593	321	312
504	593	591	320	321
505	155	163	600	585
506	163	164	601	600
507	164	165	602	601
508	165	161	595	602
509	585	600	603	586
510	600	601	604	603

511	601	602	605	604
512	602	595	596	605
513	586	603	599	584
514	603	604	598	599
515	604	605	597	598
516	605	596	594	597
517	584	599	608	590
518	599	598	609	608
519	598	597	610	609
520	597	594	606	610
521	590	608	611	591
522	608	609	612	611
523	609	610	613	612
524	610	606	607	613
525	591	611	329	320
526	611	612	330	329
527	612	613	331	330
528	613	607	328	331
529	161	175	620	595
530	175	176	621	620
531	176	177	622	621
532	177	173	615	622
533	595	620	623	596
534	620	621	624	623
535	621	622	625	624
536	622	615	616	625
537	596	623	619	594
538	623	624	618	619
539	624	625	617	618
540	625	616	614	617
541	594	619	628	606
542	619	618	629	628
543	618	617	630	629
544	617	614	626	630
545	606	628	631	607
546	628	629	632	631
547	629	630	633	632
548	630	626	627	633
549	607	631	345	328
550	631	632	346	345
551	632	633	347	346
552	633	627	344	347
553	173	187	638	615
554	187	185	635	638
555	615	638	639	616
556	638	635	636	639
557	616	639	637	614
558	639	636	634	637
559	614	637	642	626
560	637	634	640	642
561	626	642	643	627
562	642	640	641	643
563	627	643	361	344
564	643	641	360	361
565	185	193	648	635
566	193	191	645	648
567	635	648	649	636
568	648	645	646	649
569	636	649	647	634
570	649	646	644	647
571	634	647	652	640
572	647	644	650	652
573	640	652	653	641
574	652	650	651	653
575	641	653	369	360
576	653	651	368	369
577	191	199	660	645
578	199	200	661	660
579	200	201	662	661
580	201	197	655	662
581	645	660	663	646
582	660	661	664	663
583	661	662	665	664
584	662	655	656	665
585	646	663	659	644
586	663	664	658	659
587	664	665	657	658
588	665	656	654	657
589	644	659	668	650
590	659	658	669	668
591	658	657	670	669
592	657	654	666	670
593	650	668	671	651
594	668	669	672	671
595	669	670	673	672
596	670	666	667	673
597	651	671	377	368
598	671	672	378	377
599	672	673	379	378
600	673	667	376	379
601	197	211	680	655
602	211	212	681	680
603	212	213	682	681
604	213	209	675	682
605	655	680	683	656
606	680	681	684	683
607	681	682	685	684
608	682	675	676	685

609	656	683	679	654
610	683	684	678	679
611	684	685	677	678
612	685	676	674	677
613	654	679	688	666
614	679	678	689	688
615	678	677	690	689
616	677	674	686	690
617	666	688	691	667
618	688	689	692	691
619	689	690	693	692
620	690	686	687	693
621	667	691	393	376
622	691	692	394	393
623	692	693	395	394
624	693	687	392	395
625	209	221	695	675
626	675	695	696	676
627	676	696	694	674
628	674	694	697	686
629	686	697	698	687
630	687	698	408	392
631	221	226	704	695
632	226	227	705	704
633	227	224	700	705
634	695	704	706	696
635	704	705	707	706
636	705	700	701	707
637	696	706	703	694
638	706	707	702	703
639	707	701	699	702
640	694	703	710	697
641	703	702	711	710
642	702	699	708	711
643	697	710	712	698
644	710	711	713	712
645	711	708	709	713
646	698	712	413	408
647	712	713	414	413
648	713	709	412	414
649	224	235	720	700
650	235	236	721	720
651	236	237	722	721
652	237	233	715	722
653	700	720	723	701
654	720	721	724	723
655	721	722	725	724
656	722	715	716	725
657	701	723	719	699
658	723	724	718	719
659	724	725	717	718
660	725	716	714	717
661	699	719	728	708
662	719	718	729	728
663	718	717	730	729
664	717	714	726	730
665	708	728	731	709
666	728	729	732	731
667	729	730	733	732
668	730	726	727	733
669	709	731	425	412
670	731	732	426	425
671	732	733	427	426
672	733	727	424	427

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS		
	ELEMENTS		
PM3			
1015	1417	1418	1419

E L E M E N T T O P O L O G Y

ELEMENT NUMBER	ELEMENT NODE NUMBERS	END CONDITIONS (C=CONSTRAINED, F=FREE, R=RESTRAINED)	
	ELEMENTS		
BMI21			
49	101	102	105
50	102	103	106
51	103	104	107
52	104	99	108
61	99	115	117
62	115	116	118
63	116	113	119
70	113	122	124
73	122	127	130
74	127	128	131
75	128	129	132
76	129	125	133

85	125	139	142
86	139	140	143
87	140	141	144
88	141	137	145
97	137	151	152
98	151	149	153
103	149	157	158
104	157	155	159
109	155	163	166
110	163	164	167
111	164	165	168
112	165	161	169
121	161	175	178
122	175	176	179
123	176	177	180
124	177	173	181
133	173	187	188
134	187	185	189
139	185	193	194
140	193	191	195
145	191	199	202
146	199	200	203
147	200	201	204
148	201	197	205
157	197	211	214
158	211	212	215
159	212	213	216
160	213	209	217
169	209	221	223
172	221	226	228
173	226	227	229
174	227	224	230
181	224	235	238
182	235	236	239
183	236	237	240
184	237	233	241
193	245	247	250
194	247	248	251
195	248	249	252
196	249	246	253
205	246	265	267
206	265	266	268
207	266	264	269
214	264	276	277
217	276	281	284
218	281	282	285
219	282	283	286
220	283	280	287
229	280	297	300
230	297	298	301
231	298	299	302
232	299	296	303
241	296	313	314
242	313	312	315
247	312	321	322
248	321	320	323
253	320	329	332
254	329	330	333
255	330	331	334
256	331	328	335
265	328	345	348
266	345	346	349
267	346	347	350
268	347	344	351
277	344	361	362
278	361	360	363
283	360	369	370
284	369	368	371
289	368	377	380
290	377	378	381
291	378	379	382
292	379	376	383
301	376	393	396
302	393	394	397
303	394	395	398
304	395	392	399
313	392	408	409
316	408	413	415
317	413	414	416
318	414	412	417
325	412	425	428
326	425	426	429
327	426	427	430
328	427	424	431
673	101	735	736
674	735	734	737
675	99	739	740
676	739	738	741
677	122	743	744
678	743	742	745
679	125	747	748
680	747	746	749
681	137	751	752
682	751	750	753
683	155	755	756
684	755	754	757
685	161	759	760
686	759	758	761

687	173	763	764
688	763	762	765
689	191	767	768
690	767	766	769
691	197	771	772
692	771	770	773
693	209	775	776
694	775	774	777
695	224	779	780
696	779	778	781
697	233	783	784
698	783	782	785
699	245	787	788
700	787	786	789
701	246	791	792
702	791	790	793
703	276	795	796
704	795	794	797
705	280	799	800
706	799	798	801
707	296	803	804
708	803	802	805
709	320	807	808
710	807	806	809
711	328	811	812
712	811	810	813
713	344	815	816
714	815	814	817
715	368	819	820
716	819	818	821
717	376	823	824
718	823	822	825
719	392	827	828
720	827	826	829
721	412	831	832
722	831	830	833
723	424	835	836
724	835	834	837
725	734	839	840
726	839	838	841
727	782	843	844
728	843	842	845
729	786	847	848
730	847	846	849
731	834	851	852
732	851	850	853
733	738	855	856
734	855	854	857
735	742	859	860
736	859	858	861
737	746	863	864
738	863	862	865
739	750	867	868
740	867	866	869
741	754	871	872
742	871	870	873
743	758	875	876
744	875	874	877
745	762	879	880
746	879	878	881
747	766	883	884
748	883	882	885
749	770	887	888
750	887	886	889
751	774	891	892
752	891	890	893
753	778	895	896
754	895	894	897
755	790	899	900
756	899	898	901
757	794	903	904
758	903	902	905
759	798	907	908
760	907	906	909
761	802	911	912
762	911	910	913
763	806	915	916
764	915	914	917
765	810	919	920
766	919	918	921
767	814	923	924
768	923	922	925
769	818	927	928
770	927	926	929
771	822	931	932
772	931	930	933
773	826	935	936
774	935	934	937
775	830	939	940
776	939	938	941
777	838	942	948
778	942	943	949
779	943	944	950
780	944	945	951
781	945	946	952
782	946	947	953
783	947	846	954
784	842	955	961

785	955	956	962
786	956	957	963
787	957	958	964
788	958	959	965
789	959	960	966
790	960	850	967
791	854	968	974
792	968	969	975
793	969	970	976
794	970	971	977
795	971	972	978
796	972	973	979
797	973	898	980
798	858	981	987
799	981	982	988
800	982	983	989
801	983	984	990
802	984	985	991
803	985	986	992
804	986	902	993
805	862	994	1000
806	994	995	1001
807	995	996	1002
808	996	997	1003
809	997	998	1004
810	998	999	1005
811	999	906	1006
812	866	1007	1013
813	1007	1008	1014
814	1008	1009	1015
815	1009	1010	1016
816	1010	1011	1017
817	1011	1012	1018
818	1012	910	1019
819	870	1020	1026
820	1020	1021	1027
821	1021	1022	1028
822	1022	1023	1029
823	1023	1024	1030
824	1024	1025	1031
825	1025	914	1032
826	874	1033	1039
827	1033	1034	1040
828	1034	1035	1041
829	1035	1036	1042
830	1036	1037	1043
831	1037	1038	1044
832	1038	918	1045
833	878	1046	1052
834	1046	1047	1053
835	1047	1048	1054
836	1048	1049	1055
837	1049	1050	1056
838	1050	1051	1057
839	1051	922	1058
840	882	1059	1065
841	1059	1060	1066
842	1060	1061	1067
843	1061	1062	1068
844	1062	1063	1069
845	1063	1064	1070
846	1064	926	1071
847	886	1072	1078
848	1072	1073	1079
849	1073	1074	1080
850	1074	1075	1081
851	1075	1076	1082
852	1076	1077	1083
853	1077	930	1084
854	890	1085	1091
855	1085	1086	1092
856	1086	1087	1093
857	1087	1088	1094
858	1088	1089	1095
859	1089	1090	1096
860	1090	934	1097
861	894	1098	1104
862	1098	1099	1105
863	1099	1100	1106
864	1100	1101	1107
865	1101	1102	1108
866	1102	1103	1109
867	1103	938	1110
868	1111	1113	1114
869	1113	1112	1115
870	854	1116	1117
871	1116	1111	1118
872	1119	1121	1122
873	1121	1120	1123
874	858	1124	1125
875	1124	1119	1126
876	1127	1129	1130
877	1129	1128	1131
878	862	1132	1133
879	1132	1127	1134
880	1135	1137	1138
881	1137	1136	1139
882	866	1140	1141

883	1140	1135	1142
884	1143	1145	1146
885	1145	1144	1147
886	870	1148	1149
887	1148	1143	1150
888	1151	1153	1154
889	1153	1152	1155
890	874	1156	1157
891	1156	1151	1158
892	1159	1161	1162
893	1161	1160	1163
894	878	1164	1165
895	1164	1159	1166
896	1167	1169	1170
897	1169	1168	1171
898	882	1172	1173
899	1172	1167	1174
900	1175	1177	1178
901	1177	1176	1179
902	886	1180	1181
903	1180	1175	1182
904	1183	1185	1186
905	1185	1184	1187
906	890	1188	1189
907	1188	1183	1190
908	1191	1193	1194
909	1193	1192	1195
910	894	1196	1197
911	1196	1191	1198
912	1199	1201	1202
913	1201	1200	1203
914	898	1204	1205
915	1204	1199	1206
916	1207	1209	1210
917	1209	1208	1211
918	902	1212	1213
919	1212	1207	1214
920	1215	1217	1218
921	1217	1216	1219
922	906	1220	1221
923	1220	1215	1222
924	1223	1225	1226
925	1225	1224	1227
926	910	1228	1229
927	1228	1223	1230
928	1231	1233	1234
929	1233	1232	1235
930	914	1236	1237
931	1236	1231	1238
932	1239	1241	1242
933	1241	1240	1243
934	918	1244	1245
935	1244	1239	1246
936	1247	1249	1250
937	1249	1248	1251
938	922	1252	1253
939	1252	1247	1254
940	1255	1257	1258
941	1257	1256	1259
942	926	1260	1261
943	1260	1255	1262
944	1263	1265	1266
945	1265	1264	1267
946	930	1268	1269
947	1268	1263	1270
948	1271	1273	1274
949	1273	1272	1275
950	934	1276	1277
951	1276	1271	1278
952	1279	1281	1282
953	1281	1280	1283
954	938	1284	1285
955	1284	1279	1286
956	1287	1289	1290
957	1289	1288	1291
958	838	1292	1293
959	1292	1287	1294
960	1295	1297	1298
961	1297	1296	1299
962	846	1300	1301
963	1300	1295	1302
964	1303	1305	1306
965	1305	1304	1307
966	842	1308	1309
967	1308	1303	1310
968	1311	1313	1314
969	1313	1312	1315
970	850	1316	1317
971	1316	1311	1318
972	1319	1320	1321
973	1322	1323	1324
974	1325	1326	1327
975	1328	1329	1330
976	1331	1332	1333
977	1334	1336	1342
978	1336	1337	1343
979	1337	1338	1344
980	1338	1339	1345

981	1339	1340	1346
982	1340	1341	1347
983	1341	1335	1348
984	1335	1350	1357
985	1350	1351	1358
986	1351	1352	1359
987	1352	1353	1360
988	1353	1354	1361
989	1354	1355	1362
990	1355	1356	1363
991	1356	1349	1364
992	1365	1367	1373
993	1367	1368	1374
994	1368	1369	1375
995	1369	1370	1376
996	1370	1371	1377
997	1371	1372	1378
998	1372	1366	1379
999	1366	1381	1388
1000	1381	1382	1389
1001	1382	1383	1390
1002	1383	1384	1391
1003	1384	1385	1392
1004	1385	1386	1393
1005	1386	1387	1394
1006	1387	1380	1395
1007	1396	1397	1400
1008	1397	1398	1401
1009	1398	1399	1402
1010	1399	1334	1403
1011	1404	1405	1408
1012	1405	1406	1409
1013	1406	1407	1410
1014	1407	1365	1411

TOTAL NUMBER OF ELEMENTS = 1026  
LARGEST ELEMENT NUMBER = 1026  
LARGEST NODE NUMBER = 1447

DEFAULT SOLVER CHOSEN

NODE COORDINATES

NODE NO.	COORDINATE IN	COORDINATE IN	COORDINATE IN
	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
	M	M	M
1	0.000000E+00	0.000000E+00	0.000000E+00
2	3.87500	0.000000E+00	0.000000E+00
3	0.968750	0.000000E+00	0.000000E+00
4	1.93750	0.000000E+00	0.000000E+00
5	2.90625	0.000000E+00	0.000000E+00
6	4.13700	0.750000	0.000000E+00
7	0.262000	0.750000	0.000000E+00
8	1.23075	0.750000	0.000000E+00
9	2.19950	0.750000	0.000000E+00
10	3.16825	0.750000	0.000000E+00
11	7.25000	0.000000E+00	0.000000E+00
12	5.00000	0.000000E+00	0.000000E+00
13	6.12500	0.000000E+00	0.000000E+00
14	7.51200	0.750000	0.000000E+00
15	5.26200	0.750000	0.000000E+00
16	6.38700	0.750000	0.000000E+00
17	7.75000	0.000000E+00	0.000000E+00
18	8.01200	0.750000	0.000000E+00
19	11.6250	0.000000E+00	0.000000E+00
20	8.71875	0.000000E+00	0.000000E+00
21	9.68750	0.000000E+00	0.000000E+00
22	10.6562	0.000000E+00	0.000000E+00
23	11.8870	0.750000	0.000000E+00
24	8.98075	0.750000	0.000000E+00
25	9.94950	0.750000	0.000000E+00
26	10.9182	0.750000	0.000000E+00
27	15.5000	0.000000E+00	0.000000E+00
28	12.5938	0.000000E+00	0.000000E+00
29	13.5625	0.000000E+00	0.000000E+00
30	14.5313	0.000000E+00	0.000000E+00
31	15.7620	0.750000	0.000000E+00
32	12.8557	0.750000	0.000000E+00
33	13.8245	0.750000	0.000000E+00
34	14.7933	0.750000	0.000000E+00
35	17.2500	0.000000E+00	0.000000E+00
36	16.3750	0.000000E+00	0.000000E+00
37	17.5120	0.750000	0.000000E+00
38	16.6370	0.750000	0.000000E+00
39	19.3750	0.000000E+00	0.000000E+00
40	18.3125	0.000000E+00	0.000000E+00
41	19.6370	0.750000	0.000000E+00
42	18.5745	0.750000	0.000000E+00
43	23.2500	0.000000E+00	0.000000E+00
44	20.3438	0.000000E+00	0.000000E+00
45	21.3125	0.000000E+00	0.000000E+00



46	22.2813	0.000000E+00	0.000000E+00
47	23.5120	0.750000	0.000000E+00
48	20.6058	0.750000	0.000000E+00
49	21.5745	0.750000	0.000000E+00
50	22.5433	0.750000	0.000000E+00
51	27.1250	0.000000E+00	0.000000E+00
52	24.2187	0.000000E+00	0.000000E+00
53	25.1875	0.000000E+00	0.000000E+00
54	26.1563	0.000000E+00	0.000000E+00
55	27.3870	0.750000	0.000000E+00
56	24.4807	0.750000	0.000000E+00
57	25.4495	0.750000	0.000000E+00
58	26.4183	0.750000	0.000000E+00
59	29.2500	0.000000E+00	0.000000E+00
60	28.1875	0.000000E+00	0.000000E+00
61	29.5120	0.750000	0.000000E+00
62	28.4495	0.750000	0.000000E+00
63	31.0000	0.000000E+00	0.000000E+00
64	30.1250	0.000000E+00	0.000000E+00
65	31.2620	0.750000	0.000000E+00
66	30.3870	0.750000	0.000000E+00
67	34.8750	0.000000E+00	0.000000E+00
68	31.9687	0.000000E+00	0.000000E+00
69	32.9375	0.000000E+00	0.000000E+00
70	33.9062	0.000000E+00	0.000000E+00
71	35.1370	0.750000	0.000000E+00
72	32.2308	0.750000	0.000000E+00
73	33.1995	0.750000	0.000000E+00
74	34.1682	0.750000	0.000000E+00
75	38.7500	0.000000E+00	0.000000E+00
76	35.8438	0.000000E+00	0.000000E+00
77	36.8125	0.000000E+00	0.000000E+00
78	37.7813	0.000000E+00	0.000000E+00
79	39.0120	0.750000	0.000000E+00
80	36.1058	0.750000	0.000000E+00
81	37.0745	0.750000	0.000000E+00
82	38.0433	0.750000	0.000000E+00
83	39.2500	0.000000E+00	0.000000E+00
84	39.5120	0.750000	0.000000E+00
85	42.6250	0.000000E+00	0.000000E+00
86	40.3750	0.000000E+00	0.000000E+00
87	41.5000	0.000000E+00	0.000000E+00
88	42.8870	0.750000	0.000000E+00
89	40.6370	0.750000	0.000000E+00
90	41.7620	0.750000	0.000000E+00
91	46.5000	0.000000E+00	0.000000E+00
92	43.5938	0.000000E+00	0.000000E+00
93	44.5625	0.000000E+00	0.000000E+00
94	45.5312	0.000000E+00	0.000000E+00
95	46.7620	0.750000	0.000000E+00
96	43.8557	0.750000	0.000000E+00
97	44.8245	0.750000	0.000000E+00
98	45.7933	0.750000	0.000000E+00
99	4.76600	2.55000	0.000000E+00
100	4.45150	1.65000	0.000000E+00
101	0.891000	2.55000	0.000000E+00
102	1.85975	2.55000	0.000000E+00
103	2.82850	2.55000	0.000000E+00
104	3.79725	2.55000	0.000000E+00
105	0.891000	3.55000	0.000000E+00
106	1.85975	3.55000	0.000000E+00
107	2.82850	3.55000	0.000000E+00
108	3.79725	3.55000	0.000000E+00
109	0.576500	1.65000	0.000000E+00
110	1.54525	1.65000	0.000000E+00
111	2.51400	1.65000	0.000000E+00
112	3.48275	1.65000	0.000000E+00
113	8.14100	2.55000	0.000000E+00
114	7.82650	1.65000	0.000000E+00
115	5.89100	2.55000	0.000000E+00
116	7.01600	2.55000	0.000000E+00
117	4.76600	3.55000	0.000000E+00
118	5.89100	3.55000	0.000000E+00
119	7.01600	3.55000	0.000000E+00
120	5.57650	1.65000	0.000000E+00
121	6.70150	1.65000	0.000000E+00
122	8.64100	2.55000	0.000000E+00
123	8.32650	1.65000	0.000000E+00
124	8.14100	3.55000	0.000000E+00
125	12.5160	2.55000	0.000000E+00
126	12.2015	1.65000	0.000000E+00
127	9.60975	2.55000	0.000000E+00
128	10.5785	2.55000	0.000000E+00
129	11.5473	2.55000	0.000000E+00
130	8.64100	3.55000	0.000000E+00
131	9.60975	3.55000	0.000000E+00
132	10.5785	3.55000	0.000000E+00
133	11.5473	3.55000	0.000000E+00
134	9.29525	1.65000	0.000000E+00
135	10.2640	1.65000	0.000000E+00
136	11.2327	1.65000	0.000000E+00
137	16.3910	2.55000	0.000000E+00
138	16.0765	1.65000	0.000000E+00
139	13.4848	2.55000	0.000000E+00
140	14.4535	2.55000	0.000000E+00
141	15.4223	2.55000	0.000000E+00
142	12.5160	3.55000	0.000000E+00
143	13.4848	3.55000	0.000000E+00

144	14.4535	3.55000	0.00000E+00
145	15.4223	3.55000	0.00000E+00
146	13.1702	1.65000	0.00000E+00
147	14.1390	1.65000	0.00000E+00
148	15.1078	1.65000	0.00000E+00
149	18.1410	2.55000	0.00000E+00
150	17.8265	1.65000	0.00000E+00
151	17.2660	2.55000	0.00000E+00
152	16.3910	3.55000	0.00000E+00
153	17.2660	3.55000	0.00000E+00
154	16.9515	1.65000	0.00000E+00
155	20.2660	2.55000	0.00000E+00
156	19.9515	1.65000	0.00000E+00
157	19.2035	2.55000	0.00000E+00
158	18.1410	3.55000	0.00000E+00
159	19.2035	3.55000	0.00000E+00
160	18.8890	1.65000	0.00000E+00
161	24.1410	2.55000	0.00000E+00
162	23.8265	1.65000	0.00000E+00
163	21.2347	2.55000	0.00000E+00
164	22.2035	2.55000	0.00000E+00
165	23.1722	2.55000	0.00000E+00
166	20.2660	3.55000	0.00000E+00
167	21.2347	3.55000	0.00000E+00
168	22.2035	3.55000	0.00000E+00
169	23.1722	3.55000	0.00000E+00
170	20.9202	1.65000	0.00000E+00
171	21.8890	1.65000	0.00000E+00
172	22.8578	1.65000	0.00000E+00
173	28.0160	2.55000	0.00000E+00
174	27.7015	1.65000	0.00000E+00
175	25.1097	2.55000	0.00000E+00
176	26.0785	2.55000	0.00000E+00
177	27.0473	2.55000	0.00000E+00
178	24.1410	3.55000	0.00000E+00
179	25.1097	3.55000	0.00000E+00
180	26.0785	3.55000	0.00000E+00
181	27.0473	3.55000	0.00000E+00
182	24.7952	1.65000	0.00000E+00
183	25.7640	1.65000	0.00000E+00
184	26.7328	1.65000	0.00000E+00
185	30.1410	2.55000	0.00000E+00
186	29.8265	1.65000	0.00000E+00
187	29.0785	2.55000	0.00000E+00
188	28.0160	3.55000	0.00000E+00
189	29.0785	3.55000	0.00000E+00
190	28.7640	1.65000	0.00000E+00
191	31.8910	2.55000	0.00000E+00
192	31.5765	1.65000	0.00000E+00
193	31.0160	2.55000	0.00000E+00
194	30.1410	3.55000	0.00000E+00
195	31.0160	3.55000	0.00000E+00
196	30.7015	1.65000	0.00000E+00
197	35.7660	2.55000	0.00000E+00
198	35.4515	1.65000	0.00000E+00
199	32.8597	2.55000	0.00000E+00
200	33.8285	2.55000	0.00000E+00
201	34.7972	2.55000	0.00000E+00
202	31.8910	3.55000	0.00000E+00
203	32.8597	3.55000	0.00000E+00
204	33.8285	3.55000	0.00000E+00
205	34.7972	3.55000	0.00000E+00
206	32.5453	1.65000	0.00000E+00
207	33.5140	1.65000	0.00000E+00
208	34.4827	1.65000	0.00000E+00
209	39.6410	2.55000	0.00000E+00
210	39.3265	1.65000	0.00000E+00
211	36.7347	2.55000	0.00000E+00
212	37.7035	2.55000	0.00000E+00
213	38.6723	2.55000	0.00000E+00
214	35.7660	3.55000	0.00000E+00
215	36.7347	3.55000	0.00000E+00
216	37.7035	3.55000	0.00000E+00
217	38.6723	3.55000	0.00000E+00
218	36.4202	1.65000	0.00000E+00
219	37.3890	1.65000	0.00000E+00
220	38.3578	1.65000	0.00000E+00
221	40.1410	2.55000	0.00000E+00
222	39.8265	1.65000	0.00000E+00
223	39.6410	3.55000	0.00000E+00
224	43.5160	2.55000	0.00000E+00
225	43.2015	1.65000	0.00000E+00
226	41.2660	2.55000	0.00000E+00
227	42.3910	2.55000	0.00000E+00
228	40.1410	3.55000	0.00000E+00
229	41.2660	3.55000	0.00000E+00
230	42.3910	3.55000	0.00000E+00
231	40.9515	1.65000	0.00000E+00
232	42.0765	1.65000	0.00000E+00
233	47.3910	2.55000	0.00000E+00
234	47.0765	1.65000	0.00000E+00
235	44.4848	2.55000	0.00000E+00
236	45.4535	2.55000	0.00000E+00
237	46.4222	2.55000	0.00000E+00
238	43.5160	3.55000	0.00000E+00
239	44.4848	3.55000	0.00000E+00
240	45.4535	3.55000	0.00000E+00
241	46.4222	3.55000	0.00000E+00

242	44.1702	1.65000	0.000000E+00
243	45.1390	1.65000	0.000000E+00
244	46.1077	1.65000	0.000000E+00
245	3.18000	9.10000	0.000000E+00
246	7.05500	9.10000	0.000000E+00
247	4.14875	9.10000	0.000000E+00
248	5.11750	9.10000	0.000000E+00
249	6.08625	9.10000	0.000000E+00
250	3.18000	10.1000	0.000000E+00
251	4.14875	10.1000	0.000000E+00
252	5.11750	10.1000	0.000000E+00
253	6.08625	10.1000	0.000000E+00
254	7.61400	10.7000	0.000000E+00
255	7.33450	9.90000	0.000000E+00
256	3.73900	10.7000	0.000000E+00
257	4.70775	10.7000	0.000000E+00
258	5.67650	10.7000	0.000000E+00
259	6.64525	10.7000	0.000000E+00
260	3.45950	9.90000	0.000000E+00
261	4.42825	9.90000	0.000000E+00
262	5.39700	9.90000	0.000000E+00
263	6.36575	9.90000	0.000000E+00
264	10.4300	9.10000	0.000000E+00
265	8.18000	9.10000	0.000000E+00
266	9.30500	9.10000	0.000000E+00
267	7.05500	10.1000	0.000000E+00
268	8.18000	10.1000	0.000000E+00
269	9.30500	10.1000	0.000000E+00
270	10.9890	10.7000	0.000000E+00
271	10.7095	9.90000	0.000000E+00
272	8.73900	10.7000	0.000000E+00
273	9.86400	10.7000	0.000000E+00
274	8.45950	9.90000	0.000000E+00
275	9.58450	9.90000	0.000000E+00
276	10.9300	9.10000	0.000000E+00
277	10.4300	10.1000	0.000000E+00
278	11.4890	10.7000	0.000000E+00
279	11.2095	9.90000	0.000000E+00
280	14.8050	9.10000	0.000000E+00
281	11.8987	9.10000	0.000000E+00
282	12.8675	9.10000	0.000000E+00
283	13.8362	9.10000	0.000000E+00
284	10.9300	10.1000	0.000000E+00
285	11.8987	10.1000	0.000000E+00
286	12.8675	10.1000	0.000000E+00
287	13.8362	10.1000	0.000000E+00
288	15.3640	10.7000	0.000000E+00
289	15.0845	9.90000	0.000000E+00
290	12.4577	10.7000	0.000000E+00
291	13.4265	10.7000	0.000000E+00
292	14.3952	10.7000	0.000000E+00
293	12.1782	9.90000	0.000000E+00
294	13.1470	9.90000	0.000000E+00
295	14.1157	9.90000	0.000000E+00
296	18.6800	9.10000	0.000000E+00
297	15.7737	9.10000	0.000000E+00
298	16.7425	9.10000	0.000000E+00
299	17.7113	9.10000	0.000000E+00
300	14.8050	10.1000	0.000000E+00
301	15.7737	10.1000	0.000000E+00
302	16.7425	10.1000	0.000000E+00
303	17.7113	10.1000	0.000000E+00
304	19.2390	10.7000	0.000000E+00
305	18.9595	9.90000	0.000000E+00
306	16.3328	10.7000	0.000000E+00
307	17.3015	10.7000	0.000000E+00
308	18.2703	10.7000	0.000000E+00
309	16.0532	9.90000	0.000000E+00
310	17.0220	9.90000	0.000000E+00
311	17.9908	9.90000	0.000000E+00
312	20.4300	9.10000	0.000000E+00
313	19.5550	9.10000	0.000000E+00
314	18.6800	10.1000	0.000000E+00
315	19.5550	10.1000	0.000000E+00
316	20.9890	10.7000	0.000000E+00
317	20.7095	9.90000	0.000000E+00
318	20.1140	10.7000	0.000000E+00
319	19.8345	9.90000	0.000000E+00
320	22.5550	9.10000	0.000000E+00
321	21.4925	9.10000	0.000000E+00
322	20.4300	10.1000	0.000000E+00
323	21.4925	10.1000	0.000000E+00
324	23.1140	10.7000	0.000000E+00
325	22.8345	9.90000	0.000000E+00
326	22.0515	10.7000	0.000000E+00
327	21.7720	9.90000	0.000000E+00
328	26.4300	9.10000	0.000000E+00
329	23.5237	9.10000	0.000000E+00
330	24.4925	9.10000	0.000000E+00
331	25.4612	9.10000	0.000000E+00
332	22.5550	10.1000	0.000000E+00
333	23.5237	10.1000	0.000000E+00
334	24.4925	10.1000	0.000000E+00
335	25.4612	10.1000	0.000000E+00
336	26.9890	10.7000	0.000000E+00
337	26.7095	9.90000	0.000000E+00
338	24.0827	10.7000	0.000000E+00
339	25.0515	10.7000	0.000000E+00

340	26.0202	10.7000	0.000000E+00
341	23.8032	9.90000	0.000000E+00
342	24.7720	9.90000	0.000000E+00
343	25.7407	9.90000	0.000000E+00
344	30.3050	9.10000	0.000000E+00
345	27.3987	9.10000	0.000000E+00
346	28.3675	9.10000	0.000000E+00
347	29.3363	9.10000	0.000000E+00
348	26.4300	10.1000	0.000000E+00
349	27.3987	10.1000	0.000000E+00
350	28.3675	10.1000	0.000000E+00
351	29.3363	10.1000	0.000000E+00
352	30.8640	10.7000	0.000000E+00
353	30.5845	9.90000	0.000000E+00
354	27.9577	10.7000	0.000000E+00
355	28.9265	10.7000	0.000000E+00
356	29.8953	10.7000	0.000000E+00
357	27.6783	9.90000	0.000000E+00
358	28.6470	9.90000	0.000000E+00
359	29.6158	9.90000	0.000000E+00
360	32.4300	9.10000	0.000000E+00
361	31.3675	9.10000	0.000000E+00
362	30.3050	10.1000	0.000000E+00
363	31.3675	10.1000	0.000000E+00
364	32.9890	10.7000	0.000000E+00
365	32.7095	9.90000	0.000000E+00
366	31.9265	10.7000	0.000000E+00
367	31.6470	9.90000	0.000000E+00
368	34.1800	9.10000	0.000000E+00
369	33.3050	9.10000	0.000000E+00
370	32.4300	10.1000	0.000000E+00
371	33.3050	10.1000	0.000000E+00
372	34.7390	10.7000	0.000000E+00
373	34.4595	9.90000	0.000000E+00
374	33.8640	10.7000	0.000000E+00
375	33.5845	9.90000	0.000000E+00
376	38.0550	9.10000	0.000000E+00
377	35.1487	9.10000	0.000000E+00
378	36.1175	9.10000	0.000000E+00
379	37.0862	9.10000	0.000000E+00
380	34.1800	10.1000	0.000000E+00
381	35.1487	10.1000	0.000000E+00
382	36.1175	10.1000	0.000000E+00
383	37.0862	10.1000	0.000000E+00
384	38.6140	10.7000	0.000000E+00
385	38.3345	9.90000	0.000000E+00
386	35.7077	10.7000	0.000000E+00
387	36.6765	10.7000	0.000000E+00
388	37.6453	10.7000	0.000000E+00
389	35.4282	9.90000	0.000000E+00
390	36.3970	9.90000	0.000000E+00
391	37.3657	9.90000	0.000000E+00
392	41.9300	9.10000	0.000000E+00
393	39.0237	9.10000	0.000000E+00
394	39.9925	9.10000	0.000000E+00
395	40.9613	9.10000	0.000000E+00
396	38.0550	10.1000	0.000000E+00
397	39.0237	10.1000	0.000000E+00
398	39.9925	10.1000	0.000000E+00
399	40.9613	10.1000	0.000000E+00
400	42.4890	10.7000	0.000000E+00
401	42.2095	9.90000	0.000000E+00
402	39.5827	10.7000	0.000000E+00
403	40.5515	10.7000	0.000000E+00
404	41.5203	10.7000	0.000000E+00
405	39.3032	9.90000	0.000000E+00
406	40.2720	9.90000	0.000000E+00
407	41.2408	9.90000	0.000000E+00
408	42.4300	9.10000	0.000000E+00
409	41.9300	10.1000	0.000000E+00
410	42.9890	10.7000	0.000000E+00
411	42.7095	9.90000	0.000000E+00
412	45.8050	9.10000	0.000000E+00
413	43.5550	9.10000	0.000000E+00
414	44.6800	9.10000	0.000000E+00
415	42.4300	10.1000	0.000000E+00
416	43.5550	10.1000	0.000000E+00
417	44.6800	10.1000	0.000000E+00
418	46.3640	10.7000	0.000000E+00
419	46.0845	9.90000	0.000000E+00
420	44.1140	10.7000	0.000000E+00
421	45.2390	10.7000	0.000000E+00
422	43.8345	9.90000	0.000000E+00
423	44.9595	9.90000	0.000000E+00
424	49.6800	9.10000	0.000000E+00
425	46.7737	9.10000	0.000000E+00
426	47.7425	9.10000	0.000000E+00
427	48.7112	9.10000	0.000000E+00
428	45.8050	10.1000	0.000000E+00
429	46.7737	10.1000	0.000000E+00
430	47.7425	10.1000	0.000000E+00
431	48.7112	10.1000	0.000000E+00
432	50.2390	10.7000	0.000000E+00
433	49.9595	9.90000	0.000000E+00
434	47.3328	10.7000	0.000000E+00
435	48.3015	10.7000	0.000000E+00
436	49.2702	10.7000	0.000000E+00
437	47.0533	9.90000	0.000000E+00

438	48.0220	9.90000	0.000000E+00
439	48.9907	9.90000	0.000000E+00
440	7.87600	11.4500	0.000000E+00
441	4.00100	11.4500	0.000000E+00
442	4.96975	11.4500	0.000000E+00
443	5.93850	11.4500	0.000000E+00
444	6.90725	11.4500	0.000000E+00
445	11.2510	11.4500	0.000000E+00
446	9.00100	11.4500	0.000000E+00
447	10.1260	11.4500	0.000000E+00
448	11.7510	11.4500	0.000000E+00
449	15.6260	11.4500	0.000000E+00
450	12.7197	11.4500	0.000000E+00
451	13.6885	11.4500	0.000000E+00
452	14.6572	11.4500	0.000000E+00
453	19.5010	11.4500	0.000000E+00
454	16.5948	11.4500	0.000000E+00
455	17.5635	11.4500	0.000000E+00
456	18.5323	11.4500	0.000000E+00
457	21.2510	11.4500	0.000000E+00
458	20.3760	11.4500	0.000000E+00
459	23.3760	11.4500	0.000000E+00
460	22.3135	11.4500	0.000000E+00
461	27.2510	11.4500	0.000000E+00
462	24.3447	11.4500	0.000000E+00
463	25.3135	11.4500	0.000000E+00
464	26.2823	11.4500	0.000000E+00
465	31.1260	11.4500	0.000000E+00
466	28.2197	11.4500	0.000000E+00
467	29.1885	11.4500	0.000000E+00
468	30.1573	11.4500	0.000000E+00
469	33.2510	11.4500	0.000000E+00
470	32.1885	11.4500	0.000000E+00
471	35.0010	11.4500	0.000000E+00
472	34.1260	11.4500	0.000000E+00
473	38.8760	11.4500	0.000000E+00
474	35.9697	11.4500	0.000000E+00
475	36.9385	11.4500	0.000000E+00
476	37.9073	11.4500	0.000000E+00
477	42.7510	11.4500	0.000000E+00
478	39.8447	11.4500	0.000000E+00
479	40.8135	11.4500	0.000000E+00
480	41.7823	11.4500	0.000000E+00
481	43.2510	11.4500	0.000000E+00
482	46.6260	11.4500	0.000000E+00
483	44.3760	11.4500	0.000000E+00
484	45.5010	11.4500	0.000000E+00
485	50.5010	11.4500	0.000000E+00
486	47.5948	11.4500	0.000000E+00
487	48.5635	11.4500	0.000000E+00
488	49.5323	11.4500	0.000000E+00
489	5.91050	5.82500	0.000000E+00
490	5.14750	3.64167	0.000000E+00
491	5.52900	4.73333	0.000000E+00
492	2.03550	5.82500	0.000000E+00
493	4.94175	5.82500	0.000000E+00
494	3.97300	5.82500	0.000000E+00
495	3.00425	5.82500	0.000000E+00
496	1.27250	3.64167	0.000000E+00
497	1.65400	4.73333	0.000000E+00
498	2.24125	3.64167	0.000000E+00
499	3.21000	3.64167	0.000000E+00
500	4.17875	3.64167	0.000000E+00
501	2.62275	4.73333	0.000000E+00
502	3.59150	4.73333	0.000000E+00
503	4.56025	4.73333	0.000000E+00
504	6.29200	6.91667	0.000000E+00
505	6.67350	8.00833	0.000000E+00
506	2.41700	6.91667	0.000000E+00
507	2.79850	8.00833	0.000000E+00
508	3.38575	6.91667	0.000000E+00
509	4.35450	6.91667	0.000000E+00
510	5.32325	6.91667	0.000000E+00
511	3.76725	8.00833	0.000000E+00
512	4.73600	8.00833	0.000000E+00
513	5.70475	8.00833	0.000000E+00
514	9.28550	5.82500	0.000000E+00
515	8.52250	3.64167	0.000000E+00
516	8.90400	4.73333	0.000000E+00
517	8.16050	5.82500	0.000000E+00
518	7.03550	5.82500	0.000000E+00
519	6.27250	3.64167	0.000000E+00
520	7.39750	3.64167	0.000000E+00
521	6.65400	4.73333	0.000000E+00
522	7.77900	4.73333	0.000000E+00
523	9.66700	6.91667	0.000000E+00
524	10.0485	8.00833	0.000000E+00
525	7.41700	6.91667	0.000000E+00
526	8.54200	6.91667	0.000000E+00
527	7.79850	8.00833	0.000000E+00
528	8.92350	8.00833	0.000000E+00
529	9.78550	5.82500	0.000000E+00
530	9.02250	3.64167	0.000000E+00
531	9.40400	4.73333	0.000000E+00
532	10.1670	6.91667	0.000000E+00
533	10.5485	8.00833	0.000000E+00
534	13.6605	5.82500	0.000000E+00
535	12.8975	3.64167	0.000000E+00

536	13.2790	4.73333	0.00000E+00
537	12.6917	5.82500	0.00000E+00
538	11.7230	5.82500	0.00000E+00
539	10.7542	5.82500	0.00000E+00
540	9.99125	3.64167	0.00000E+00
541	10.9600	3.64167	0.00000E+00
542	11.9288	3.64167	0.00000E+00
543	10.3727	4.73333	0.00000E+00
544	11.3415	4.73333	0.00000E+00
545	12.3102	4.73333	0.00000E+00
546	14.0420	6.91667	0.00000E+00
547	14.4235	8.00833	0.00000E+00
548	11.1357	6.91667	0.00000E+00
549	12.1045	6.91667	0.00000E+00
550	13.0732	6.91667	0.00000E+00
551	11.5172	8.00833	0.00000E+00
552	12.4860	8.00833	0.00000E+00
553	13.4548	8.00833	0.00000E+00
554	17.5355	5.82500	0.00000E+00
555	16.7725	3.64167	0.00000E+00
556	17.1540	4.73333	0.00000E+00
557	16.5668	5.82500	0.277556E-16
558	15.5980	5.82500	0.277556E-16
559	14.6292	5.82500	0.277556E-16
560	13.8663	3.64167	0.00000E+00
561	14.8350	3.64167	0.00000E+00
562	15.8038	3.64167	0.00000E+00
563	14.2477	4.73333	0.00000E+00
564	15.2165	4.73333	0.00000E+00
565	16.1853	4.73333	0.00000E+00
566	17.9170	6.91667	0.00000E+00
567	18.2985	8.00833	0.00000E+00
568	15.0107	6.91667	0.00000E+00
569	15.9795	6.91667	0.00000E+00
570	16.9483	6.91667	0.00000E+00
571	15.3922	8.00833	0.00000E+00
572	16.3610	8.00833	0.00000E+00
573	17.3298	8.00833	0.00000E+00
574	19.2855	5.82500	0.00000E+00
575	18.5225	3.64167	0.00000E+00
576	18.9040	4.73333	0.00000E+00
577	18.4105	5.82500	0.00000E+00
578	17.6475	3.64167	0.00000E+00
579	18.0290	4.73333	0.00000E+00
580	19.6670	6.91667	0.00000E+00
581	20.0485	8.00833	0.00000E+00
582	18.7920	6.91667	0.00000E+00
583	19.1735	8.00833	0.00000E+00
584	21.4105	5.82500	0.00000E+00
585	20.6475	3.64167	0.00000E+00
586	21.0290	4.73333	0.00000E+00
587	20.3480	5.82500	0.00000E+00
588	19.5850	3.64167	0.00000E+00
589	19.9665	4.73333	0.00000E+00
590	21.7920	6.91667	0.00000E+00
591	22.1735	8.00833	0.00000E+00
592	20.7295	6.91667	0.00000E+00
593	21.1110	8.00833	0.00000E+00
594	25.2855	5.82500	0.00000E+00
595	24.5225	3.64167	0.00000E+00
596	24.9040	4.73333	0.00000E+00
597	24.3167	5.82500	0.00000E+00
598	23.3480	5.82500	0.00000E+00
599	22.3793	5.82500	0.00000E+00
600	21.6163	3.64167	0.00000E+00
601	22.5850	3.64167	0.00000E+00
602	23.5537	3.64167	0.00000E+00
603	21.9977	4.73333	0.00000E+00
604	22.9665	4.73333	0.00000E+00
605	23.9352	4.73333	0.00000E+00
606	25.6670	6.91667	0.00000E+00
607	26.0485	8.00833	0.00000E+00
608	22.7607	6.91667	0.00000E+00
609	23.7295	6.91667	0.00000E+00
610	24.6982	6.91667	0.00000E+00
611	23.1422	8.00833	0.00000E+00
612	24.1110	8.00833	0.00000E+00
613	25.0798	8.00833	0.00000E+00
614	29.1605	5.82500	0.00000E+00
615	28.3975	3.64167	0.00000E+00
616	28.7790	4.73333	0.00000E+00
617	28.1918	5.82500	0.00000E+00
618	27.2230	5.82500	0.00000E+00
619	26.2542	5.82500	0.00000E+00
620	25.4913	3.64167	0.00000E+00
621	26.4600	3.64167	0.00000E+00
622	27.4288	3.64167	0.00000E+00
623	25.8727	4.73333	0.00000E+00
624	26.8415	4.73333	0.00000E+00
625	27.8103	4.73333	0.00000E+00
626	29.5420	6.91667	0.00000E+00
627	29.9235	8.00833	0.00000E+00
628	26.6358	6.91667	0.00000E+00
629	27.6045	6.91667	0.00000E+00
630	28.5733	6.91667	0.00000E+00
631	27.0173	8.00833	0.00000E+00
632	27.9860	8.00833	0.00000E+00
633	28.9548	8.00833	0.00000E+00

634	31.2855	5.82500	0.000000E+00
635	30.5225	3.64167	0.000000E+00
636	30.9040	4.73333	0.000000E+00
637	30.2230	5.82500	0.000000E+00
638	29.4600	3.64167	0.000000E+00
639	29.8415	4.73333	0.000000E+00
640	31.6670	6.91667	0.000000E+00
641	32.0485	8.00833	0.000000E+00
642	30.6045	6.91667	0.000000E+00
643	30.9860	8.00833	0.000000E+00
644	33.0355	5.82500	0.000000E+00
645	32.2725	3.64167	0.000000E+00
646	32.6540	4.73333	0.000000E+00
647	32.1605	5.82500	0.000000E+00
648	31.3975	3.64167	0.000000E+00
649	31.7790	4.73333	0.000000E+00
650	33.4170	6.91667	0.000000E+00
651	33.7985	8.00833	0.000000E+00
652	32.5420	6.91667	0.000000E+00
653	32.9235	8.00833	0.000000E+00
654	36.9105	5.82500	0.000000E+00
655	36.1475	3.64167	0.000000E+00
656	36.5290	4.73333	0.000000E+00
657	35.9417	5.82500	0.124900E-15
658	34.9730	5.82500	0.971445E-16
659	34.0042	5.82500	0.971445E-16
660	33.2413	3.64167	0.000000E+00
661	34.2100	3.64167	0.000000E+00
662	35.1787	3.64167	0.000000E+00
663	33.6227	4.73333	0.000000E+00
664	34.5915	4.73333	0.000000E+00
665	35.5602	4.73333	0.000000E+00
666	37.2920	6.91667	0.000000E+00
667	37.6735	8.00833	0.000000E+00
668	34.3857	6.91667	0.000000E+00
669	35.3545	6.91667	0.000000E+00
670	36.3233	6.91667	0.000000E+00
671	34.7672	8.00833	0.000000E+00
672	35.7360	8.00833	0.000000E+00
673	36.7047	8.00833	0.000000E+00
674	40.7855	5.82500	0.000000E+00
675	40.0225	3.64167	0.000000E+00
676	40.4040	4.73333	0.000000E+00
677	39.8168	5.82500	-0.832667E-16
678	38.8480	5.82500	-0.832667E-16
679	37.8793	5.82500	-0.832667E-16
680	37.1162	3.64167	0.000000E+00
681	38.0850	3.64167	0.000000E+00
682	39.0538	3.64167	0.000000E+00
683	37.4978	4.73333	0.000000E+00
684	38.4665	4.73333	0.000000E+00
685	39.4353	4.73333	0.000000E+00
686	41.1670	6.91667	0.000000E+00
687	41.5485	8.00833	0.000000E+00
688	38.2607	6.91667	0.000000E+00
689	39.2295	6.91667	0.000000E+00
690	40.1983	6.91667	0.000000E+00
691	38.6422	8.00833	0.000000E+00
692	39.6110	8.00833	0.000000E+00
693	40.5798	8.00833	0.000000E+00
694	41.2855	5.82500	0.000000E+00
695	40.5225	3.64167	0.000000E+00
696	40.9040	4.73333	0.000000E+00
697	41.6670	6.91667	0.000000E+00
698	42.0485	8.00833	0.000000E+00
699	44.6605	5.82500	0.000000E+00
700	43.8975	3.64167	0.000000E+00
701	44.2790	4.73333	0.000000E+00
702	43.5355	5.82500	0.000000E+00
703	42.4105	5.82500	0.000000E+00
704	41.6475	3.64167	0.000000E+00
705	42.7725	3.64167	0.000000E+00
706	42.0290	4.73333	0.000000E+00
707	43.1540	4.73333	0.000000E+00
708	45.0420	6.91667	0.000000E+00
709	45.4235	8.00833	0.000000E+00
710	42.7920	6.91667	0.000000E+00
711	43.9170	6.91667	0.000000E+00
712	43.1735	8.00833	0.000000E+00
713	44.2985	8.00833	0.000000E+00
714	48.5355	5.82500	0.000000E+00
715	47.7725	3.64167	0.000000E+00
716	48.1540	4.73333	0.000000E+00
717	47.5668	5.82500	0.000000E+00
718	46.5980	5.82500	0.000000E+00
719	45.6292	5.82500	0.000000E+00
720	44.8663	3.64167	0.000000E+00
721	45.8350	3.64167	0.000000E+00
722	46.8037	3.64167	0.000000E+00
723	45.2477	4.73333	0.000000E+00
724	46.2165	4.73333	0.000000E+00
725	47.1852	4.73333	0.000000E+00
726	48.9170	6.91667	0.000000E+00
727	49.2985	8.00833	0.000000E+00
728	46.0108	6.91667	0.000000E+00
729	46.9795	6.91667	0.000000E+00
730	47.9482	6.91667	0.000000E+00
731	46.3923	8.00833	0.000000E+00

732	47.3610	8.00833	0.00000E+00
733	48.3297	8.00833	0.00000E+00
734	0.891000	2.55000	-0.550000
735	0.891000	2.55000	-0.275000
736	-0.109000	2.55000	0.00000E+00
737	-0.109000	2.55000	-0.275000
738	4.76600	2.55000	-0.605000
739	4.76600	2.55000	-0.302500
740	3.76600	2.55000	0.00000E+00
741	3.76600	2.55000	-0.302500
742	8.64100	2.55000	-0.605000
743	8.64100	2.55000	-0.302500
744	7.64100	2.55000	0.00000E+00
745	7.64100	2.55000	-0.302500
746	12.5160	2.55000	-0.605000
747	12.5160	2.55000	-0.302500
748	11.5160	2.55000	0.00000E+00
749	11.5160	2.55000	-0.302500
750	16.3910	2.55000	-0.605000
751	16.3910	2.55000	-0.302500
752	15.3910	2.55000	0.00000E+00
753	15.3910	2.55000	-0.302500
754	20.2660	2.55000	-0.605000
755	20.2660	2.55000	-0.302500
756	19.2660	2.55000	0.00000E+00
757	19.2660	2.55000	-0.302500
758	24.1410	2.55000	-0.605000
759	24.1410	2.55000	-0.302500
760	23.1410	2.55000	0.00000E+00
761	23.1410	2.55000	-0.302500
762	28.0160	2.55000	-0.605000
763	28.0160	2.55000	-0.302500
764	27.0160	2.55000	0.00000E+00
765	27.0160	2.55000	-0.302500
766	31.8910	2.55000	-0.605000
767	31.8910	2.55000	-0.302500
768	30.8910	2.55000	0.00000E+00
769	30.8910	2.55000	-0.302500
770	35.7660	2.55000	-0.605000
771	35.7660	2.55000	-0.302500
772	34.7660	2.55000	0.00000E+00
773	34.7660	2.55000	-0.302500
774	39.6410	2.55000	-0.605000
775	39.6410	2.55000	-0.302500
776	38.6410	2.55000	0.00000E+00
777	38.6410	2.55000	-0.302500
778	43.5160	2.55000	-0.605000
779	43.5160	2.55000	-0.302500
780	42.5160	2.55000	0.00000E+00
781	42.5160	2.55000	-0.302500
782	47.3910	2.55000	-0.550000
783	47.3910	2.55000	-0.275000
784	46.3910	2.55000	0.00000E+00
785	46.3910	2.55000	-0.275000
786	3.18000	9.10000	-0.550000
787	3.18000	9.10000	-0.275000
788	4.18000	9.10000	0.00000E+00
789	4.18000	9.10000	-0.275000
790	7.05500	9.10000	-0.605000
791	7.05500	9.10000	-0.302500
792	8.05500	9.10000	0.00000E+00
793	8.05500	9.10000	-0.302500
794	10.9300	9.10000	-0.605000
795	10.9300	9.10000	-0.302500
796	11.9300	9.10000	0.00000E+00
797	11.9300	9.10000	-0.302500
798	14.8050	9.10000	-0.605000
799	14.8050	9.10000	-0.302500
800	15.8050	9.10000	0.00000E+00
801	15.8050	9.10000	-0.302500
802	18.6800	9.10000	-0.605000
803	18.6800	9.10000	-0.302500
804	19.6800	9.10000	0.00000E+00
805	19.6800	9.10000	-0.302500
806	22.5550	9.10000	-0.605000
807	22.5550	9.10000	-0.302500
808	23.5550	9.10000	0.00000E+00
809	23.5550	9.10000	-0.302500
810	26.4300	9.10000	-0.605000
811	26.4300	9.10000	-0.302500
812	27.4300	9.10000	0.00000E+00
813	27.4300	9.10000	-0.302500
814	30.3050	9.10000	-0.605000
815	30.3050	9.10000	-0.302500
816	31.3050	9.10000	0.00000E+00
817	31.3050	9.10000	-0.302500
818	34.1800	9.10000	-0.605000
819	34.1800	9.10000	-0.302500
820	35.1800	9.10000	0.00000E+00
821	35.1800	9.10000	-0.302500
822	38.0550	9.10000	-0.605000
823	38.0550	9.10000	-0.302500
824	39.0550	9.10000	0.00000E+00
825	39.0550	9.10000	-0.302500
826	41.9300	9.10000	-0.605000
827	41.9300	9.10000	-0.302500
828	42.9300	9.10000	0.00000E+00
829	42.9300	9.10000	-0.302500



830	45.8050	9.10000	-0.605000
831	45.8050	9.10000	-0.302500
832	46.8050	9.10000	0.000000E+00
833	46.8050	9.10000	-0.302500
834	49.6800	9.10000	-0.550000
835	49.6800	9.10000	-0.275000
836	50.6800	9.10000	0.000000E+00
837	50.6800	9.10000	-0.275000
838	0.891000	2.55000	-1.00000
839	0.891000	2.55000	-0.775000
840	-0.109000	2.55000	-0.550000
841	-0.109000	2.55000	-0.775000
842	47.3910	2.55000	-1.00000
843	47.3910	2.55000	-0.775000
844	46.3910	2.55000	-0.550000
845	46.3910	2.55000	-0.775000
846	3.18000	9.10000	-1.00000
847	3.18000	9.10000	-0.775000
848	4.18000	9.10000	-0.550000
849	4.18000	9.10000	-0.775000
850	49.6800	9.10000	-1.00000
851	49.6800	9.10000	-0.775000
852	50.6800	9.10000	-0.550000
853	50.6800	9.10000	-0.775000
854	4.76600	2.55000	-1.00500
855	4.76600	2.55000	-0.805000
856	3.76600	2.55000	-0.605000
857	3.76600	2.55000	-0.805000
858	8.64100	2.55000	-1.00500
859	8.64100	2.55000	-0.805000
860	7.64100	2.55000	-0.605000
861	7.64100	2.55000	-0.805000
862	12.5160	2.55000	-1.00500
863	12.5160	2.55000	-0.805000
864	11.5160	2.55000	-0.605000
865	11.5160	2.55000	-0.805000
866	16.3910	2.55000	-1.00500
867	16.3910	2.55000	-0.805000
868	15.3910	2.55000	-0.605000
869	15.3910	2.55000	-0.805000
870	20.2660	2.55000	-1.00500
871	20.2660	2.55000	-0.805000
872	19.2660	2.55000	-0.605000
873	19.2660	2.55000	-0.805000
874	24.1410	2.55000	-1.00500
875	24.1410	2.55000	-0.805000
876	23.1410	2.55000	-0.605000
877	23.1410	2.55000	-0.805000
878	28.0160	2.55000	-1.00500
879	28.0160	2.55000	-0.805000
880	27.0160	2.55000	-0.605000
881	27.0160	2.55000	-0.805000
882	31.8910	2.55000	-1.00500
883	31.8910	2.55000	-0.805000
884	30.8910	2.55000	-0.605000
885	30.8910	2.55000	-0.805000
886	35.7660	2.55000	-1.00500
887	35.7660	2.55000	-0.805000
888	34.7660	2.55000	-0.605000
889	34.7660	2.55000	-0.805000
890	39.6410	2.55000	-1.00500
891	39.6410	2.55000	-0.805000
892	38.6410	2.55000	-0.605000
893	38.6410	2.55000	-0.805000
894	43.5160	2.55000	-1.00500
895	43.5160	2.55000	-0.805000
896	42.5160	2.55000	-0.605000
897	42.5160	2.55000	-0.805000
898	7.05500	9.10000	-1.00500
899	7.05500	9.10000	-0.805000
900	8.05500	9.10000	-0.605000
901	8.05500	9.10000	-0.805000
902	10.9300	9.10000	-1.00500
903	10.9300	9.10000	-0.805000
904	11.9300	9.10000	-0.605000
905	11.9300	9.10000	-0.805000
906	14.8050	9.10000	-1.00500
907	14.8050	9.10000	-0.805000
908	15.8050	9.10000	-0.605000
909	15.8050	9.10000	-0.805000
910	18.6800	9.10000	-1.00500
911	18.6800	9.10000	-0.805000
912	19.6800	9.10000	-0.605000
913	19.6800	9.10000	-0.805000
914	22.5550	9.10000	-1.00500
915	22.5550	9.10000	-0.805000
916	23.5550	9.10000	-0.605000
917	23.5550	9.10000	-0.805000
918	26.4300	9.10000	-1.00500
919	26.4300	9.10000	-0.805000
920	27.4300	9.10000	-0.605000
921	27.4300	9.10000	-0.805000
922	30.3050	9.10000	-1.00500
923	30.3050	9.10000	-0.805000
924	31.3050	9.10000	-0.605000
925	31.3050	9.10000	-0.805000
926	34.1800	9.10000	-1.00500
927	34.1800	9.10000	-0.805000

928	35.1800	9.10000	-0.605000
929	35.1800	9.10000	-0.805000
930	38.0550	9.10000	-1.00500
931	38.0550	9.10000	-0.805000
932	39.0550	9.10000	-0.605000
933	39.0550	9.10000	-0.805000
934	41.9300	9.10000	-1.00500
935	41.9300	9.10000	-0.805000
936	42.9300	9.10000	-0.605000
937	42.9300	9.10000	-0.805000
938	45.8050	9.10000	-1.00500
939	45.8050	9.10000	-0.805000
940	46.8050	9.10000	-0.605000
941	46.8050	9.10000	-0.805000
942	1.21800	3.48571	-1.00000
943	1.54500	4.42143	-1.00000
944	1.87200	5.35714	-1.00000
945	2.19900	6.29286	-1.00000
946	2.52600	7.22857	-1.00000
947	2.85300	8.16429	-1.00000
948	-0.530155E-01	2.87990	-1.00000
949	0.273984	3.81562	-1.00000
950	0.600984	4.75133	-1.00000
951	0.927984	5.68704	-1.00000
952	1.25498	6.62276	-1.00000
953	1.58198	7.55847	-1.00000
954	1.90898	8.49419	-1.00000
955	47.7180	3.48571	-1.00000
956	48.0450	4.42143	-1.00000
957	48.3720	5.35714	-1.00000
958	48.6990	6.29286	-1.00000
959	49.0260	7.22857	-1.00000
960	49.3530	8.16429	-1.00000
961	46.4470	2.87990	-1.00000
962	46.7740	3.81562	-1.00000
963	47.1010	4.75133	-1.00000
964	47.4280	5.68704	-1.00000
965	47.7550	6.62276	-1.00000
966	48.0820	7.55847	-1.00000
967	48.4090	8.49419	-1.00000
968	5.09300	3.48571	-1.00500
969	5.42000	4.42143	-1.00500
970	5.74700	5.35714	-1.00500
971	6.07400	6.29286	-1.00500
972	6.40100	7.22857	-1.00500
973	6.72800	8.16429	-1.00500
974	3.82198	2.87990	-1.00500
975	4.14898	3.81562	-1.00500
976	4.47598	4.75133	-1.00500
977	4.80298	5.68704	-1.00500
978	5.12998	6.62276	-1.00500
979	5.45698	7.55847	-1.00500
980	5.78398	8.49419	-1.00500
981	8.96800	3.48571	-1.00500
982	9.29500	4.42143	-1.00500
983	9.62200	5.35714	-1.00500
984	9.94900	6.29286	-1.00500
985	10.2760	7.22857	-1.00500
986	10.6030	8.16429	-1.00500
987	7.69698	2.87990	-1.00500
988	8.02398	3.81562	-1.00500
989	8.35098	4.75133	-1.00500
990	8.67798	5.68704	-1.00500
991	9.00498	6.62276	-1.00500
992	9.33198	7.55847	-1.00500
993	9.65898	8.49419	-1.00500
994	12.8430	3.48571	-1.00500
995	13.1700	4.42143	-1.00500
996	13.4970	5.35714	-1.00500
997	13.8240	6.29286	-1.00500
998	14.1510	7.22857	-1.00500
999	14.4780	8.16429	-1.00500
1000	11.5720	2.87990	-1.00500
1001	11.8990	3.81562	-1.00500
1002	12.2260	4.75133	-1.00500
1003	12.5530	5.68704	-1.00500
1004	12.8800	6.62276	-1.00500
1005	13.2070	7.55847	-1.00500
1006	13.5340	8.49419	-1.00500
1007	16.7180	3.48571	-1.00500
1008	17.0450	4.42143	-1.00500
1009	17.3720	5.35714	-1.00500
1010	17.6990	6.29286	-1.00500
1011	18.0260	7.22857	-1.00500
1012	18.3530	8.16429	-1.00500
1013	15.4470	2.87990	-1.00500
1014	15.7740	3.81562	-1.00500
1015	16.1010	4.75133	-1.00500
1016	16.4280	5.68704	-1.00500
1017	16.7550	6.62276	-1.00500
1018	17.0820	7.55847	-1.00500
1019	17.4090	8.49419	-1.00500
1020	20.5930	3.48571	-1.00500
1021	20.9200	4.42143	-1.00500
1022	21.2470	5.35714	-1.00500
1023	21.5740	6.29286	-1.00500
1024	21.9010	7.22857	-1.00500
1025	22.2280	8.16429	-1.00500

1026	19.3220	2.87990	-1.00500
1027	19.6490	3.81562	-1.00500
1028	19.9760	4.75133	-1.00500
1029	20.3030	5.68704	-1.00500
1030	20.6300	6.62276	-1.00500
1031	20.9570	7.55847	-1.00500
1032	21.2840	8.49419	-1.00500
1033	24.4680	3.48571	-1.00500
1034	24.7950	4.42143	-1.00500
1035	25.1220	5.35714	-1.00500
1036	25.4490	6.29286	-1.00500
1037	25.7760	7.22857	-1.00500
1038	26.1030	8.16429	-1.00500
1039	23.1970	2.87990	-1.00500
1040	23.5240	3.81562	-1.00500
1041	23.8510	4.75133	-1.00500
1042	24.1780	5.68704	-1.00500
1043	24.5050	6.62276	-1.00500
1044	24.8320	7.55847	-1.00500
1045	25.1590	8.49419	-1.00500
1046	28.3430	3.48571	-1.00500
1047	28.6700	4.42143	-1.00500
1048	28.9970	5.35714	-1.00500
1049	29.3240	6.29286	-1.00500
1050	29.6510	7.22857	-1.00500
1051	29.9780	8.16429	-1.00500
1052	27.0720	2.87990	-1.00500
1053	27.3990	3.81562	-1.00500
1054	27.7260	4.75133	-1.00500
1055	28.0530	5.68704	-1.00500
1056	28.3800	6.62276	-1.00500
1057	28.7070	7.55847	-1.00500
1058	29.0340	8.49419	-1.00500
1059	32.2180	3.48571	-1.00500
1060	32.5450	4.42143	-1.00500
1061	32.8720	5.35714	-1.00500
1062	33.1990	6.29286	-1.00500
1063	33.5260	7.22857	-1.00500
1064	33.8530	8.16429	-1.00500
1065	30.9470	2.87990	-1.00500
1066	31.2740	3.81562	-1.00500
1067	31.6010	4.75133	-1.00500
1068	31.9280	5.68704	-1.00500
1069	32.2550	6.62276	-1.00500
1070	32.5820	7.55847	-1.00500
1071	32.9090	8.49419	-1.00500
1072	36.0930	3.48571	-1.00500
1073	36.4200	4.42143	-1.00500
1074	36.7470	5.35714	-1.00500
1075	37.0740	6.29286	-1.00500
1076	37.4010	7.22857	-1.00500
1077	37.7280	8.16429	-1.00500
1078	34.8220	2.87990	-1.00500
1079	35.1490	3.81562	-1.00500
1080	35.4760	4.75133	-1.00500
1081	35.8030	5.68704	-1.00500
1082	36.1300	6.62276	-1.00500
1083	36.4570	7.55847	-1.00500
1084	36.7840	8.49419	-1.00500
1085	39.9680	3.48571	-1.00500
1086	40.2950	4.42143	-1.00500
1087	40.6220	5.35714	-1.00500
1088	40.9490	6.29286	-1.00500
1089	41.2760	7.22857	-1.00500
1090	41.6030	8.16429	-1.00500
1091	38.6970	2.87990	-1.00500
1092	39.0240	3.81562	-1.00500
1093	39.3510	4.75133	-1.00500
1094	39.6780	5.68704	-1.00500
1095	40.0050	6.62276	-1.00500
1096	40.3320	7.55847	-1.00500
1097	40.6590	8.49419	-1.00500
1098	43.8430	3.48571	-1.00500
1099	44.1700	4.42143	-1.00500
1100	44.4970	5.35714	-1.00500
1101	44.8240	6.29286	-1.00500
1102	45.1510	7.22857	-1.00500
1103	45.4780	8.16429	-1.00500
1104	42.5720	2.87990	-1.00500
1105	42.8990	3.81562	-1.00500
1106	43.2260	4.75133	-1.00500
1107	43.5530	5.68704	-1.00500
1108	43.8800	6.62276	-1.00500
1109	44.2070	7.55847	-1.00500
1110	44.5340	8.49419	-1.00500
1111	4.76600	2.55000	-1.40500
1112	4.76600	2.55000	-2.40000
1113	4.76600	2.55000	-1.90250
1114	3.76600	2.55000	-1.40500
1115	3.76600	2.55000	-1.90250
1116	4.76600	2.55000	-1.20500
1117	3.76600	2.55000	-1.00500
1118	3.76600	2.55000	-1.20500
1119	8.64100	2.55000	-1.40500
1120	8.64100	2.55000	-2.40000
1121	8.64100	2.55000	-1.90250
1122	7.64100	2.55000	-1.40500
1123	7.64100	2.55000	-1.90250

1124	8.64100	2.55000	-1.20500
1125	7.64100	2.55000	-1.00500
1126	7.64100	2.55000	-1.20500
1127	12.5160	2.55000	-1.40500
1128	12.5160	2.55000	-2.40000
1129	12.5160	2.55000	-1.90250
1130	11.5160	2.55000	-1.40500
1131	11.5160	2.55000	-1.90250
1132	12.5160	2.55000	-1.20500
1133	11.5160	2.55000	-1.00500
1134	11.5160	2.55000	-1.20500
1135	16.3910	2.55000	-1.40500
1136	16.3910	2.55000	-2.40000
1137	16.3910	2.55000	-1.90250
1138	15.3910	2.55000	-1.40500
1139	15.3910	2.55000	-1.90250
1140	16.3910	2.55000	-1.20500
1141	15.3910	2.55000	-1.00500
1142	15.3910	2.55000	-1.20500
1143	20.2660	2.55000	-1.40500
1144	20.2660	2.55000	-2.40000
1145	20.2660	2.55000	-1.90250
1146	19.2660	2.55000	-1.40500
1147	19.2660	2.55000	-1.90250
1148	20.2660	2.55000	-1.20500
1149	19.2660	2.55000	-1.00500
1150	19.2660	2.55000	-1.20500
1151	24.1410	2.55000	-1.40500
1152	24.1410	2.55000	-2.40000
1153	24.1410	2.55000	-1.90250
1154	23.1410	2.55000	-1.40500
1155	23.1410	2.55000	-1.90250
1156	24.1410	2.55000	-1.20500
1157	23.1410	2.55000	-1.00500
1158	23.1410	2.55000	-1.20500
1159	28.0160	2.55000	-1.40500
1160	28.0160	2.55000	-2.40000
1161	28.0160	2.55000	-1.90250
1162	27.0160	2.55000	-1.40500
1163	27.0160	2.55000	-1.90250
1164	28.0160	2.55000	-1.20500
1165	27.0160	2.55000	-1.00500
1166	27.0160	2.55000	-1.20500
1167	31.8910	2.55000	-1.40500
1168	31.8910	2.55000	-2.40000
1169	31.8910	2.55000	-1.90250
1170	30.8910	2.55000	-1.40500
1171	30.8910	2.55000	-1.90250
1172	31.8910	2.55000	-1.20500
1173	30.8910	2.55000	-1.00500
1174	30.8910	2.55000	-1.20500
1175	35.7660	2.55000	-1.40500
1176	35.7660	2.55000	-2.40000
1177	35.7660	2.55000	-1.90250
1178	34.7660	2.55000	-1.40500
1179	34.7660	2.55000	-1.90250
1180	35.7660	2.55000	-1.20500
1181	34.7660	2.55000	-1.00500
1182	34.7660	2.55000	-1.20500
1183	39.6410	2.55000	-1.40500
1184	39.6410	2.55000	-2.40000
1185	39.6410	2.55000	-1.90250
1186	38.6410	2.55000	-1.40500
1187	38.6410	2.55000	-1.90250
1188	39.6410	2.55000	-1.20500
1189	38.6410	2.55000	-1.00500
1190	38.6410	2.55000	-1.20500
1191	43.5160	2.55000	-1.40500
1192	43.5160	2.55000	-2.40000
1193	43.5160	2.55000	-1.90250
1194	42.5160	2.55000	-1.40500
1195	42.5160	2.55000	-1.90250
1196	43.5160	2.55000	-1.20500
1197	42.5160	2.55000	-1.00500
1198	42.5160	2.55000	-1.20500
1199	7.05500	9.10000	-1.40500
1200	7.05500	9.10000	-2.40000
1201	7.05500	9.10000	-1.90250
1202	8.05500	9.10000	-1.40500
1203	8.05500	9.10000	-1.90250
1204	7.05500	9.10000	-1.20500
1205	8.05500	9.10000	-1.00500
1206	8.05500	9.10000	-1.20500
1207	10.9300	9.10000	-1.40500
1208	10.9300	9.10000	-2.40000
1209	10.9300	9.10000	-1.90250
1210	11.9300	9.10000	-1.40500
1211	11.9300	9.10000	-1.90250
1212	10.9300	9.10000	-1.20500
1213	11.9300	9.10000	-1.00500
1214	11.9300	9.10000	-1.20500
1215	14.8050	9.10000	-1.40500
1216	14.8050	9.10000	-2.40000
1217	14.8050	9.10000	-1.90250
1218	15.8050	9.10000	-1.40500
1219	15.8050	9.10000	-1.90250
1220	14.8050	9.10000	-1.20500
1221	15.8050	9.10000	-1.00500

1222	15.8050	9.10000	-1.20500
1223	18.6800	9.10000	-1.40500
1224	18.6800	9.10000	-2.40000
1225	18.6800	9.10000	-1.90250
1226	19.6800	9.10000	-1.40500
1227	19.6800	9.10000	-1.90250
1228	18.6800	9.10000	-1.20500
1229	19.6800	9.10000	-1.00500
1230	19.6800	9.10000	-1.20500
1231	22.5550	9.10000	-1.40500
1232	22.5550	9.10000	-2.40000
1233	22.5550	9.10000	-1.90250
1234	23.5550	9.10000	-1.40500
1235	23.5550	9.10000	-1.90250
1236	22.5550	9.10000	-1.20500
1237	23.5550	9.10000	-1.00500
1238	23.5550	9.10000	-1.20500
1239	26.4300	9.10000	-1.40500
1240	26.4300	9.10000	-2.40000
1241	26.4300	9.10000	-1.90250
1242	27.4300	9.10000	-1.40500
1243	27.4300	9.10000	-1.90250
1244	26.4300	9.10000	-1.20500
1245	27.4300	9.10000	-1.00500
1246	27.4300	9.10000	-1.20500
1247	30.3050	9.10000	-1.40500
1248	30.3050	9.10000	-2.40000
1249	30.3050	9.10000	-1.90250
1250	31.3050	9.10000	-1.40500
1251	31.3050	9.10000	-1.90250
1252	30.3050	9.10000	-1.20500
1253	31.3050	9.10000	-1.00500
1254	31.3050	9.10000	-1.20500
1255	34.1800	9.10000	-1.40500
1256	34.1800	9.10000	-2.40000
1257	34.1800	9.10000	-1.90250
1258	35.1800	9.10000	-1.40500
1259	35.1800	9.10000	-1.90250
1260	34.1800	9.10000	-1.20500
1261	35.1800	9.10000	-1.00500
1262	35.1800	9.10000	-1.20500
1263	38.0550	9.10000	-1.40500
1264	38.0550	9.10000	-2.40000
1265	38.0550	9.10000	-1.90250
1266	39.0550	9.10000	-1.40500
1267	39.0550	9.10000	-1.90250
1268	38.0550	9.10000	-1.20500
1269	39.0550	9.10000	-1.00500
1270	39.0550	9.10000	-1.20500
1271	41.9300	9.10000	-1.40500
1272	41.9300	9.10000	-2.40000
1273	41.9300	9.10000	-1.90250
1274	42.9300	9.10000	-1.40500
1275	42.9300	9.10000	-1.90250
1276	41.9300	9.10000	-1.20500
1277	42.9300	9.10000	-1.00500
1278	42.9300	9.10000	-1.20500
1279	45.8050	9.10000	-1.40500
1280	45.8050	9.10000	-2.40000
1281	45.8050	9.10000	-1.90250
1282	46.8050	9.10000	-1.40500
1283	46.8050	9.10000	-1.90250
1284	45.8050	9.10000	-1.20500
1285	46.8050	9.10000	-1.00500
1286	46.8050	9.10000	-1.20500
1287	0.891000	2.55000	-1.45000
1288	0.891000	2.55000	-2.40000
1289	0.891000	2.55000	-1.92500
1290	-0.109000	2.55000	-1.45000
1291	-0.109000	2.55000	-1.92500
1292	0.891000	2.55000	-1.22500
1293	-0.109000	2.55000	-1.00000
1294	-0.109000	2.55000	-1.22500
1295	3.18000	9.10000	-1.45000
1296	3.18000	9.10000	-2.40000
1297	3.18000	9.10000	-1.92500
1298	4.18000	9.10000	-1.45000
1299	4.18000	9.10000	-1.92500
1300	3.18000	9.10000	-1.22500
1301	4.18000	9.10000	-1.00000
1302	4.18000	9.10000	-1.22500
1303	47.3910	2.55000	-1.45000
1304	47.3910	2.55000	-2.40000
1305	47.3910	2.55000	-1.92500
1306	46.3910	2.55000	-1.45000
1307	46.3910	2.55000	-1.92500
1308	47.3910	2.55000	-1.22500
1309	46.3910	2.55000	-1.00000
1310	46.3910	2.55000	-1.22500
1311	49.6800	9.10000	-1.45000
1312	49.6800	9.10000	-2.40000
1313	49.6800	9.10000	-1.92500
1314	50.6800	9.10000	-1.45000
1315	50.6800	9.10000	-1.92500
1316	49.6800	9.10000	-1.22500
1317	50.6800	9.10000	-1.00000
1318	50.6800	9.10000	-1.22500
1319	0.891000	2.55000	-2.40000

1320	0.891000	2.55000	-3.20000
1321	1.22079	3.49405	-2.40000
1322	47.3910	2.55000	-2.40000
1323	47.3910	2.55000	-3.20000
1324	47.7208	3.49405	-2.40000
1325	3.18000	9.10000	-2.40000
1326	3.18000	9.10000	-3.20000
1327	3.50979	10.0441	-2.40000
1328	49.6800	9.10000	-2.40000
1329	49.6800	9.10000	-3.20000
1330	50.0098	10.0441	-2.40000
1331	0.469075	12.2689	-8.90000
1332	0.469075	12.2689	-6.90000
1333	0.154420	11.3197	-8.90000
1334	1.57598	6.46984	-6.90000
1335	1.57598	6.46984	-3.20000
1336	1.57598	6.46984	-6.37143
1337	1.57598	6.46984	-5.84286
1338	1.57598	6.46984	-5.31429
1339	1.57598	6.46984	-4.78571
1340	1.57598	6.46984	-4.25714
1341	1.57598	6.46984	-3.72857
1342	1.26132	5.52064	-6.90000
1343	1.26132	5.52064	-6.37143
1344	1.26132	5.52064	-5.84286
1345	1.26132	5.52064	-5.31429
1346	1.26132	5.52064	-4.78571
1347	1.26132	5.52064	-4.25714
1348	1.26132	5.52064	-3.72857
1349	1.57498	6.46984	0.600000
1350	1.57585	6.46984	-2.72500
1351	1.57573	6.46984	-2.25000
1352	1.57560	6.46984	-1.77500
1353	1.57548	6.46984	-1.30000
1354	1.57535	6.46984	-0.825000
1355	1.57523	6.46984	-0.350000
1356	1.57510	6.46984	0.125000
1357	1.26132	5.52064	-3.20008
1358	1.26120	5.52064	-2.72508
1359	1.26107	5.52064	-2.25008
1360	1.26095	5.52064	-1.77508
1361	1.26082	5.52064	-1.30008
1362	1.26070	5.52064	-0.825083
1363	1.26057	5.52064	-0.350083
1364	1.26045	5.52064	0.124917
1365	5.41889	18.0655	-6.90000
1366	5.41889	18.0655	-3.20000
1367	5.41889	18.0655	-6.37143
1368	5.41889	18.0655	-5.84286
1369	5.41889	18.0655	-5.31429
1370	5.41889	18.0655	-4.78571
1371	5.41889	18.0655	-4.25714
1372	5.41889	18.0655	-3.72857
1373	5.10423	17.1163	-6.90000
1374	5.10423	17.1163	-6.37143
1375	5.10423	17.1163	-5.84286
1376	5.10423	17.1163	-5.31429
1377	5.10423	17.1163	-4.78571
1378	5.10423	17.1163	-4.25714
1379	5.10423	17.1163	-3.72857
1380	5.41789	18.0655	0.600000
1381	5.41876	18.0655	-2.72500
1382	5.41864	18.0655	-2.25000
1383	5.41851	18.0655	-1.77500
1384	5.41839	18.0655	-1.30000
1385	5.41826	18.0655	-0.825000
1386	5.41814	18.0655	-0.350000
1387	5.41801	18.0655	0.125000
1388	5.10424	17.1163	-3.20008
1389	5.10412	17.1163	-2.72508
1390	5.10399	17.1163	-2.25008
1391	5.10387	17.1163	-1.77508
1392	5.10374	17.1163	-1.30008
1393	5.10362	17.1163	-0.825083
1394	5.10349	17.1163	-0.350083
1395	5.10337	17.1163	0.124917
1396	1.57598	6.46984	-8.90000
1397	1.57598	6.46984	-8.40000
1398	1.57598	6.46984	-7.90000
1399	1.57598	6.46984	-7.40000
1400	1.24619	5.52579	-8.90000
1401	1.24619	5.52579	-8.40000
1402	1.24619	5.52579	-7.90000
1403	1.24619	5.52579	-7.40000
1404	5.41889	18.0655	-8.90000
1405	5.41889	18.0655	-8.40000
1406	5.41889	18.0655	-7.90000
1407	5.41889	18.0655	-7.40000
1408	5.08910	17.1214	-8.90000
1409	5.08910	17.1214	-8.40000
1410	5.08910	17.1214	-7.90000
1411	5.08910	17.1214	-7.40000
1412	2.03550	5.82500	-3.20000
1413	48.5355	5.82500	-3.20000
1414	2.03550	5.82500	-3.20000
1415	48.5355	5.82500	-3.20000
1416	6.30657	18.6936	-3.20000
1417	-1.19156	12.2647	-3.15000

1418	-0.191563	12.2647	-3.15000
1419	-1.19156	13.2647	-3.15000
1420	0.469075	12.2689	-8.90000
1421	2.03550	5.82500	-3.20000
1422	2.03550	5.82500	0.00000E+00
1423	48.5355	5.82500	0.00000E+00
1424	6.30657	18.6936	-3.20000
1425	2.03550	5.82500	-3.20000
1426	1.89100	2.55000	-2.40000
1427	0.891000	3.55000	-2.40000
1428	4.18000	9.10000	-2.40000
1429	3.18000	10.1000	-2.40000
1430	46.3910	2.55000	-2.40000
1431	47.3910	1.55000	-2.40000
1432	48.6800	9.10000	-2.40000
1433	49.6800	8.10000	-2.40000
1434	3.03550	5.82500	-3.20000
1435	2.03550	6.82500	-3.20000
1436	49.5355	5.82500	-3.20000
1437	48.5355	6.82500	-3.20000
1438	7.30657	18.6936	-3.20000
1439	6.30657	19.6936	-3.20000
1440	1.41828	11.9543	-8.90000
1441	0.783730	13.2181	-8.90000
1442	3.03550	5.82500	-3.20000
1443	2.03550	6.82500	-3.20000
1444	2.98471	5.51034	0.00000E+00
1445	2.35016	6.77421	0.00000E+00
1446	47.5863	6.13966	0.00000E+00
1447	48.2208	4.87579	0.00000E+00

TOTAL NUMBER OF NODES	=	1447
LARGEST NODE NUMBER	=	1447
DATA STORAGE LOCATIONS USED	=	10129

G E O M E T R I C P R O P E R T I E S

C1\_F1  
PROPERTY

BMI21 ELEMENTS	
1 1ST NODE	AREA =0.1085 IYY =0.1034 IZZ =0.4325E-02 KT =0.2541E-04 ASZ =0.5148E-01
	ASY =0.5700E-01 EZ =1.233 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1085 IYY =0.1034 IZZ =0.4325E-02 KT =0.2541E-04 ASZ =0.5148E-01
	ASY =0.5700E-01 EZ =1.233 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

C2\_F1  
PROPERTY

BMI21 ELEMENTS	
2 1ST NODE	AREA =0.1469 IYY =0.1516 IZZ =0.7848E-02 KT =0.1169E-03 ASZ =0.4590E-01
	ASY =0.1010 EZ =1.424 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1469 IYY =0.1516 IZZ =0.7848E-02 KT =0.1169E-03 ASZ =0.4590E-01
	ASY =0.1010 EZ =1.424 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

C3\_F1  
PROPERTY

BMI21 ELEMENTS	
3 1ST NODE	AREA =0.1610 IYY =0.1741 IZZ =0.9289E-02 KT =0.1825E-03 ASZ =0.4095E-01
	ASY =0.1200 EZ =1.410 EY =0.0000E+00 IYZ =0.0000E+00
2ND NODE	AREA =0.1610 IYY =0.1741 IZZ =0.9289E-02 KT =0.1825E-03 ASZ =0.4095E-01
	ASY =0.1200 EZ =1.410 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

plinto (sz\_plinto Mirror y-y)  
PROPERTY

BMI21 ELEMENTS	
4 1ST NODE	AREA =257.6 IYY =1897. IZZ =0.1632E+05 KT =5900. ASZ =211.5
	ASY =215.9 EZ =0.0000E+00 EY =0.0000E+00 IYZ =-628.5
2ND NODE	AREA =257.6 IYY =1897. IZZ =0.1632E+05 KT =5900. ASZ =211.5

ASY =215.9 EZ =0.0000E+00 EY =0.0000E+00 IYZ =-628.5

G E O M E T R I C P R O P E R T I E S

paramento (RSS D=2.65 B=12.215)

PROPERTY

BMI21 ELEMENTS  
5 1ST NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =32.37 IYY =18.94 IZZ =402.5 KT =65.42 ASZ =26.99  
ASY =26.98 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_campata (HE 800 A)

PROPERTY

BMI21 ELEMENTS  
6 1ST NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.2858E-01 IYY =0.3034E-02 IZZ =0.1264E-03 KT =0.6186E-05 ASZ =0.1160E-01  
ASY =0.1520E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Traversi\_appoggio (I D=0.9 B=0.3 tf=0.04 tw=0.03 r=0)

PROPERTY

BMI21 ELEMENTS  
7 1ST NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =0.4860E-01 IYY =0.5819E-02 IZZ =0.1818E-03 KT =0.1991E-04 ASZ =0.2532E-01  
ASY =0.2087E-01 EZ =0.0000E+00 EY =0.0000E+00 IYZ =0.0000E+00

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_appoggi

PROPERTY

BMI21 ELEMENTS  
8 1ST NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02  
2ND NODE AREA =0.6516E-01 IYY =0.6144E-02 IZZ =100.0 KT =0.2287E-04 ASZ =0.2669E-01  
ASY =0.2588E-01 EZ =-0.2200 EY =0.8000E-01 IYZ =-0.1839E-02

G E O M E T R I C P R O P E R T I E S

Ritti\_traversi\_campata (irrigidente campata)

PROPERTY

BMI21 ELEMENTS  
9 1ST NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04  
2ND NODE AREA =0.1628E-01 IYY =0.1684E-03 IZZ =0.1745E-03 KT =0.1920E-05 ASZ =0.3892E-02  
ASY =0.8105E-02 EZ =-0.8500E-01 EY =0.3000E-01 IYZ =-0.5282E-04

G E O M E T R I C P R O P E R T I E S

paraghiaia (RSS D=0.55 B=12.215)

PROPERTY

BMI21 ELEMENTS  
10 1ST NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00  
2ND NODE AREA =6.718 IYY =0.1694 IZZ =83.53 KT =0.6582 ASZ =5.610  
ASY =5.599 EZ =1.050 EY =0.0000E+00 IYZ =0.0000E+00



G E O M E T R I C P R O P E R T I E S

rigida  
PROPERTY

BMI21 ELEMENTS		AREA	IYY	IZZ	KT	ASZ
11	1ST NODE	=10.00	=100.0	=100.0	=100.0	=0.1000E+05
	2ND NODE	=0.1000E+05	=0.0000E+00	=0.0000E+00	=0.0000E+00	=0.1000E+05
		AREA =10.00	IYY =100.0	IZZ =100.0	KT =100.0	ASZ =0.1000E+05
		ASY =0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	
		AREA =10.00	IYY =100.0	IZZ =100.0	KT =100.0	ASZ =0.1000E+05
		ASY =0.1000E+05	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	

G E O M E T R I C P R O P E R T I E S

Baggioli (RSS D=1.2 B=1.2)  
PROPERTY

BMI21 ELEMENTS		AREA	IYY	IZZ	KT	ASZ
12	1ST NODE	=1.440	=0.1728	=0.1728	=0.2915	=1.200
	2ND NODE	=1.200	=0.0000E+00	=0.0000E+00	=0.0000E+00	
		AREA =1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =1.200
		ASY =1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	
		AREA =1.440	IYY =0.1728	IZZ =0.1728	KT =0.2915	ASZ =1.200
		ASY =1.200	EZ =0.0000E+00	EY =0.0000E+00	IYZ =0.0000E+00	

G E O M E T R I C P R O P E R T I E S

Soletta\_sp\_0.3  
PROPERTY

QTS4 ELEMENTS		T1	T2	T3	T4
14	EZ = -0.1500	= 0.3000	= 0.3000	= 0.3000	= 0.3000

G E O M E T R I C P R O P E R T I E S

Ecc0  
PROPERTY

JSH4 ELEMENTS		ECCENTRICITY
13	ECCENTRICITY = 0.0000E+00	
DATA STORAGE LOCATIONS USED		= 678

G E O M E T R I C A S S I G N M E N T S

FIRST ELEMENT	LAST ELEMENT	DIFF-ERENCE	GEOMETRIC SET	LUSASM ID NO.
1	48	1	14	14
49	52	1	1	1
53	60	1	14	14
61	63	1	1	1
64	69	1	14	14
70	0	0	2	2
71	72	1	14	14
73	76	1	2	2
77	84	1	14	14
85	88	1	2	2
89	96	1	14	14
97	98	1	2	2
99	102	1	14	14
103	104	1	3	3
105	108	1	14	14
109	112	1	3	3
113	120	1	14	14
121	124	1	3	3
125	132	1	14	14
133	134	1	3	3
135	138	1	14	14
139	140	1	2	2
141	144	1	14	14
145	148	1	2	2
149	156	1	14	14
157	160	1	2	2
161	168	1	14	14

169	0	0	2	2
170	171	1	14	14
172	174	1	1	1
175	180	1	14	14
181	184	1	1	1
185	192	1	14	14
193	196	1	1	1
197	204	1	14	14
205	207	1	1	1
208	213	1	14	14
214	0	0	2	2
215	216	1	14	14
217	220	1	2	2
221	228	1	14	14
229	232	1	2	2
233	240	1	14	14
241	242	1	2	2
243	246	1	14	14
247	248	1	3	3
249	252	1	14	14
253	256	1	3	3
257	264	1	14	14
265	268	1	3	3
269	276	1	14	14
277	278	1	3	3
279	282	1	14	14
283	284	1	2	2
285	288	1	14	14
289	292	1	2	2
293	300	1	14	14
301	304	1	2	2
305	312	1	14	14
313	0	0	2	2
314	315	1	14	14
316	318	1	1	1
319	324	1	14	14
325	328	1	1	1
329	672	1	14	14
673	674	1	8	8
675	696	1	9	9
697	700	1	8	8
701	722	1	9	9
723	732	1	8	8
733	776	1	9	9
777	790	1	7	7
791	867	1	6	6
868	955	1	9	9
956	971	1	8	8
972	975	1	12	13
976	0	0	4	4
977	983	1	5	5
984	991	1	10	10
992	998	1	5	5
999	1006	1	10	10
1007	1014	1	11	11
1016	1026	1	13	15

TOTAL NUMBER OF GEOMETRIC ASSIGNMENT SETS = 83  
TOTAL NUMBER OF ELEMENTS = 1025  
LARGEST ELEMENT NUMBER = 1026  
LARGEST GEOMETRIC ASSIGNMENT SET NUMBER = 14  
DATA STORAGE LOCATIONS USED = 3075

J O I N T P R O P E R T I E S

MATERIAL

giunti

8 KX = 1.000 KY = 1.000 KZ = 1.000 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Isolatori\_spalle

9 KX = 0.2230E+07 KY = 0.2230E+07 KZ = 0.2186E+10 KTX = 1.000 KTY = 1.000 KTZ = 1.000

J O I N T P R O P E R T I E S

MATERIAL

Incastro  
10 KX = 0.1000E+16 KY = 0.1000E+16 KZ = 0.1000E+16 KTX = 0.1000E+16 KTY = 0.1000E+16 KTZ = 0.1000E+16

M A T E R I A L P R O P E R T I E S M A S S

MATERIAL

Massa\_terreno\_SP1  
11 MX = 0.2213E+07 MY = 0.2213E+07 MZ = 0.2213E+07

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel (elastic)  
1 E = 0.2100E+12 NU = 0.3000 RHO = 7850. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3 (elastic)  
2 E = 0.3364E+11 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle (elastic)  
3 E = 0.1000E+16 NU = 0.2000 RHO = 2500. ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_rigido\_spalle\_nomassa (elastic)  
4 E = 0.1000E+16 NU = 0.2000 RHO = 0.0000E+00 ALPHA = 0.0000E+00 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Steel\_rho=0 (elastic)  
5 E = 0.2100E+12 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Rigid\_rho=0 (elastic)  
6 E = 0.2100E+15 NU = 0.3000 RHO = 0.0000E+00 ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
TEMP = 0.0000E+00

M A T E R I A L P R O P E R T I E S

MATERIAL

Concrete\_short\_term\_Phase3\_Rigid (elastic)

7 E = 0.3364E+14 NU = 0.2000 RHO = 2500. ALPHA = 0.1000E-04 ARAYL = 0.0000E+00 BRAYL = 0.0000E+00  
 TEMP = 0.0000E+00

DATA STORAGE LOCATIONS USED = 486

M A T E R I A L A S S I G N M E N T S

SMEARED_REINFORCEMENT SET	FIRST REINFORCEMENT ELEMENT	LAST ELEMENT	DIFF-ERENCE	MATERIAL SET	NSET	STRESS PLASTIC	POTENTIAL DATA SET	CREEP SET	DAMAGE SET	LusasM ID NO.	VISCOELASTIC SET	TWO PHASE MATERIAL SET	SHRINKAGE SET	KO SET
0	1	48	1	2	0	0	0	0	0	5	0	0	0	0
0	49	52	1	1	0	0	0	0	0	1	0	0	0	0
0	53	60	1	2	0	0	0	0	0	5	0	0	0	0
0	61	63	1	1	0	0	0	0	0	1	0	0	0	0
0	64	69	1	2	0	0	0	0	0	5	0	0	0	0
0	70	0	0	1	0	0	0	0	0	1	0	0	0	0
0	71	72	1	2	0	0	0	0	0	5	0	0	0	0
0	73	76	1	1	0	0	0	0	0	1	0	0	0	0
0	77	84	1	2	0	0	0	0	0	5	0	0	0	0
0	85	88	1	1	0	0	0	0	0	1	0	0	0	0
0	89	96	1	2	0	0	0	0	0	5	0	0	0	0
0	97	98	1	1	0	0	0	0	0	1	0	0	0	0
0	99	102	1	2	0	0	0	0	0	5	0	0	0	0
0	103	104	1	1	0	0	0	0	0	1	0	0	0	0
0	105	108	1	2	0	0	0	0	0	5	0	0	0	0
0	109	112	1	1	0	0	0	0	0	1	0	0	0	0
0	113	120	1	2	0	0	0	0	0	5	0	0	0	0
0	121	124	1	1	0	0	0	0	0	1	0	0	0	0
0	125	132	1	2	0	0	0	0	0	5	0	0	0	0
0	133	134	1	1	0	0	0	0	0	1	0	0	0	0
0	135	138	1	2	0	0	0	0	0	5	0	0	0	0
0	139	140	1	1	0	0	0	0	0	1	0	0	0	0
0	141	144	1	2	0	0	0	0	0	5	0	0	0	0
0	145	148	1	1	0	0	0	0	0	1	0	0	0	0
0	149	156	1	2	0	0	0	0	0	5	0	0	0	0
0	157	160	1	1	0	0	0	0	0	1	0	0	0	0
0	161	168	1	2	0	0	0	0	0	5	0	0	0	0
0	169	0	0	1	0	0	0	0	0	1	0	0	0	0
0	170	171	1	2	0	0	0	0	0	5	0	0	0	0
0	172	174	1	1	0	0	0	0	0	1	0	0	0	0
0	175	180	1	2	0	0	0	0	0	5	0	0	0	0
0	181	184	1	1	0	0	0	0	0	1	0	0	0	0
0	185	192	1	2	0	0	0	0	0	5	0	0	0	0
0	193	196	1	1	0	0	0	0	0	1	0	0	0	0
0	197	204	1	2	0	0	0	0	0	5	0	0	0	0
0	205	207	1	1	0	0	0	0	0	1	0	0	0	0
0	208	213	1	2	0	0	0	0	0	5	0	0	0	0
0	214	0	0	1	0	0	0	0	0	1	0	0	0	0
0	215	216	1	2	0	0	0	0	0	5	0	0	0	0

0	217	220	1	1	0	0	0	0	1	0	0	0	0
0	221	228	1	2	0	0	0	0	5	0	0	0	0
0	229	232	1	1	0	0	0	0	1	0	0	0	0
0	233	240	1	2	0	0	0	0	5	0	0	0	0
0	241	242	1	1	0	0	0	0	1	0	0	0	0
0	243	246	1	2	0	0	0	0	5	0	0	0	0
0	247	248	1	1	0	0	0	0	1	0	0	0	0
0	249	252	1	2	0	0	0	0	5	0	0	0	0
0	253	256	1	1	0	0	0	0	1	0	0	0	0
0	257	264	1	2	0	0	0	0	5	0	0	0	0
0	265	268	1	1	0	0	0	0	1	0	0	0	0
0	269	276	1	2	0	0	0	0	5	0	0	0	0
0	277	278	1	1	0	0	0	0	1	0	0	0	0
0	279	282	1	2	0	0	0	0	5	0	0	0	0
0	283	284	1	1	0	0	0	0	1	0	0	0	0
0	285	288	1	2	0	0	0	0	5	0	0	0	0
0	289	292	1	1	0	0	0	0	1	0	0	0	0
0	293	300	1	2	0	0	0	0	5	0	0	0	0
0	301	304	1	1	0	0	0	0	1	0	0	0	0
0	305	312	1	2	0	0	0	0	5	0	0	0	0
0	313	0	0	1	0	0	0	0	1	0	0	0	0
0	314	315	1	2	0	0	0	0	5	0	0	0	0
0	316	318	1	1	0	0	0	0	1	0	0	0	0
0	319	324	1	2	0	0	0	0	5	0	0	0	0
0	325	328	1	1	0	0	0	0	1	0	0	0	0
0	329	672	1	2	0	0	0	0	5	0	0	0	0
0	673	674	1	6	0	0	0	0	14	0	0	0	0
0	675	696	1	5	0	0	0	0	13	0	0	0	0
0	697	700	1	6	0	0	0	0	14	0	0	0	0
0	701	722	1	5	0	0	0	0	13	0	0	0	0
0	723	776	1	6	0	0	0	0	14	0	0	0	0
0	777	867	1	1	0	0	0	0	1	0	0	0	0
0	868	869	1	5	0	0	0	0	13	0	0	0	0
0	870	871	1	6	0	0	0	0	14	0	0	0	0
0	872	873	1	5	0	0	0	0	13	0	0	0	0
0	874	875	1	6	0	0	0	0	14	0	0	0	0
0	876	877	1	5	0	0	0	0	13	0	0	0	0
0	878	879	1	6	0	0	0	0	14	0	0	0	0
0	880	881	1	5	0	0	0	0	13	0	0	0	0
0	882	883	1	6	0	0	0	0	14	0	0	0	0
0	884	885	1	5	0	0	0	0	13	0	0	0	0
0	886	887	1	6	0	0	0	0	14	0	0	0	0
0	888	889	1	5	0	0	0	0	13	0	0	0	0
0	890	891	1	6	0	0	0	0	14	0	0	0	0
0	892	893	1	5	0	0	0	0	13	0	0	0	0
0	894	895	1	6	0	0	0	0	14	0	0	0	0
0	896	897	1	5	0	0	0	0	13	0	0	0	0
0	898	899	1	6	0	0	0	0	14	0	0	0	0
0	900	901	1	5	0	0	0	0	13	0	0	0	0

0	902	903	1	6	0	0	0	0	14	0	0	0	0
0	904	905	1	5	0	0	0	0	13	0	0	0	0
0	906	907	1	6	0	0	0	0	14	0	0	0	0
0	908	909	1	5	0	0	0	0	13	0	0	0	0
0	910	911	1	6	0	0	0	0	14	0	0	0	0
0	912	913	1	5	0	0	0	0	13	0	0	0	0
0	914	915	1	6	0	0	0	0	14	0	0	0	0
0	916	917	1	5	0	0	0	0	13	0	0	0	0
0	918	919	1	6	0	0	0	0	14	0	0	0	0
0	920	921	1	5	0	0	0	0	13	0	0	0	0
0	922	923	1	6	0	0	0	0	14	0	0	0	0
0	924	925	1	5	0	0	0	0	13	0	0	0	0
0	926	927	1	6	0	0	0	0	14	0	0	0	0
0	928	929	1	5	0	0	0	0	13	0	0	0	0
0	930	931	1	6	0	0	0	0	14	0	0	0	0
0	932	933	1	5	0	0	0	0	13	0	0	0	0
0	934	935	1	6	0	0	0	0	14	0	0	0	0
0	936	937	1	5	0	0	0	0	13	0	0	0	0
0	938	939	1	6	0	0	0	0	14	0	0	0	0
0	940	941	1	5	0	0	0	0	13	0	0	0	0
0	942	943	1	6	0	0	0	0	14	0	0	0	0
0	944	945	1	5	0	0	0	0	13	0	0	0	0
0	946	947	1	6	0	0	0	0	14	0	0	0	0
0	948	949	1	5	0	0	0	0	13	0	0	0	0
0	950	951	1	6	0	0	0	0	14	0	0	0	0
0	952	953	1	5	0	0	0	0	13	0	0	0	0
0	954	971	1	6	0	0	0	0	14	0	0	0	0
0	972	975	1	7	0	0	0	0	19	0	0	0	0
0	976	1006	1	3	0	0	0	0	7	0	0	0	0
0	1007	1014	1	4	0	0	0	0	8	0	0	0	0
0	1015	0	0	11	0	0	0	0	25	0	0	0	0
0	1016	1019	1	9	0	0	0	0	16	0	0	0	0
0	1020	1024	1	10	0	0	0	0	17	0	0	0	0
0	1025	1026	1	8	0	0	0	0	9	0	0	0	0

TOTAL NUMBER OF MATERIAL ASSIGNMENT SETS = 122

F R E E D O M T E M P L A T E

COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.	COLM.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
U	V	W	THX	THY	THZ															

C O N S T R A I N T E Q U A T I O N S

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1365	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1365	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1365	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172516
1332	0	0	THZ	1.00000
1365	0	0	U	0.172516

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.202028
1332	0	0	THZ	-1.00000
1365	0	0	V	0.202028

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 1 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172516
1332	0	0	THX	-1.00000
1332	0	0	THY	0.853922
1365	0	0	W	0.172516

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THX	1.00000
1421	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THY	1.00000
1421	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	THZ	1.00000
1421	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	U	1.00000
1421	0	0	U	-1.00000
1421	0	0	THZ	0.644845

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1335	0	0	V	1.00000
1421	0	0	V	-1.00000
1421	0	0	THZ	0.459523

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 2 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
------------	-----------	----------	--------------	-------------

1335	0	0	W	1.00000
1421	0	0	W	-1.00000
1421	0	0	THX	-0.644845
1421	0	0	THY	-0.459523

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	THX	-1.00000
1416	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	THY	-1.00000
1416	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	THZ	-1.00000
1416	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	U	-1.00000
1366	0	0	THZ	0.628174
1416	0	0	U	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	V	-1.00000
1366	0	0	THZ	-0.887682
1416	0	0	V	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 3 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1366	0	0	W	-1.00000
1366	0	0	THX	-0.628174
1366	0	0	THY	0.887682
1416	0	0	W	1.00000

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THX	-1.00000
1334	0	0	THX	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THY	-1.00000
1334	0	0	THY	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	THZ	-1.00000
1334	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNC	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.172442
1332	0	0	THZ	-1.00000



1334 0 0 U 0.172442  
TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.903422
1332	0	0	THZ	-1.00000
1334	0	0	V	0.903422

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 4 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.172442
1332	0	0	THX	1.00000
1332	0	0	THY	0.190876
1334	0	0	W	0.172442

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THX	1.00000
1414	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THY	1.00000
1414	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	THZ	1.00000
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.000000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	U	0.305344
1414	0	0	U	-0.305344
1414	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	V	0.873744
1414	0	0	V	-0.873744
1414	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1320	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	1.00000
1414	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 5 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1326	0	0	W	0.305344
1414	0	0	W	-0.305344
1414	0	0	THX	-1.00000
1414	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THX	1.00000
1415	0	0	THX	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THY	1.00000
1415	0	0	THY	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	THZ	1.00000
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 2

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	U	0.305344
1415	0	0	U	-0.305344
1415	0	0	THZ	1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	V	0.873744
1415	0	0	V	-0.873744
1415	0	0	THZ	-1.00000

TOTAL NUMBER OF COEFFICIENTS = 3

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1323	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	1.00000
1415	0	0	THY	-0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 6 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1329	0	0	W	0.305344
1415	0	0	W	-0.305344
1415	0	0	THX	-1.00000
1415	0	0	THY	0.349466

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	U	-0.266667
1332	0	0	THY	-1.00000
1332	0	0	THZ	-0.112423E-02
1417	0	0	U	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	V	-0.266667
1332	0	0	THX	1.00000
1332	0	0	THZ	0.442837
1417	0	0	V	0.266667

TOTAL NUMBER OF COEFFICIENTS = 4

EQUATION 7 CONSTANT = 0.00000E+00

FIRST NODE	LAST NODE	DIFF RNCE	FREEDOM TYPE	COEFFICIENT
1332	0	0	W	-0.602178
1332	0	0	THX	0.253870E-02
1332	0	0	THY	-1.00000
1417	0	0	W	0.602178

TOTAL NUMBER OF COEFFICIENTS = 4

TOTAL NUMBER OF CONSTRAINT EQUATIONS = 51

MAXIMUM NUMBER OF COEFFICIENTS PER EQUATION = 4

LARGEST NODE NUMBER ENCOUNTERED = 1421

DATA STORAGE LOCATIONS USED = 487

S U P P O R T N O D E S

F = FREE  
R = RESTRAINED OR RESTRAINED WITH PRESCRIBED DISPLACEMENT  
S = SPRING

FIRST NODE	LAST NODE	DIFF RNCE	SUPPORT CONDITION	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM U	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM V	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM W	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM THX	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM THY	SPRING CONSTANT OR PRESCRIBED VALUE	SUPPORT FREEDOM THZ
1412	1413	1	R R R R R R	0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00	
1420	1422	2	R R R R R R	0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00	
1423	0	0	R R R R R R	0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00		0.00000E+00	

TOTAL NUMBER OF SUPPORT NODES = 5  
LARGEST NODE NUMBER = 1423  
DATA STORAGE LOCATIONS USED = 168

L O A D C A S E 218

maxFz (Fz) - Point 1 - (Point 1) - Negative - Characteristic

CONCENTRATED LOAD												
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	FORCE FX	FORCE FY	FORCE FZ	FORCE MX
6	0	0	0.00000E+00	0.00000E+00	-4220.7	0.00000E+00	0.00000E+00	0.00000E+00				
7	0	0	0.00000E+00	0.00000E+00	-3638.6	0.00000E+00	0.00000E+00	0.00000E+00				
8	0	0	0.00000E+00	0.00000E+00	-2880.2	0.00000E+00	0.00000E+00	0.00000E+00				
9	0	0	0.00000E+00	0.00000E+00	-5462.8	0.00000E+00	0.00000E+00	0.00000E+00				
10	0	0	0.00000E+00	0.00000E+00	-6152.9	0.00000E+00	0.00000E+00	0.00000E+00				
14	0	0	0.00000E+00	0.00000E+00	-2501.4	0.00000E+00	0.00000E+00	0.00000E+00				
15	0	0	0.00000E+00	0.00000E+00	-4639.7	0.00000E+00	0.00000E+00	0.00000E+00				
16	0	0	0.00000E+00	0.00000E+00	-4414.6	0.00000E+00	0.00000E+00	0.00000E+00				
18	0	0	0.00000E+00	0.00000E+00	-3598.5	0.00000E+00	0.00000E+00	0.00000E+00				
23	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
24	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
25	26	1	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
31	0	0	0.00000E+00	0.00000E+00	-3840.5	0.00000E+00	0.00000E+00	0.00000E+00				
32	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
33	34	1	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
37	0	0	0.00000E+00	0.00000E+00	-3670.2	0.00000E+00	0.00000E+00	0.00000E+00				
38	0	0	0.00000E+00	0.00000E+00	-3458.7	0.00000E+00	0.00000E+00	0.00000E+00				
41	0	0	0.00000E+00	0.00000E+00	-4187.7	0.00000E+00	0.00000E+00	0.00000E+00				
42	0	0	0.00000E+00	0.00000E+00	-4217.8	0.00000E+00	0.00000E+00	0.00000E+00				
47	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
48	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
49	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
50	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
55	0	0	0.00000E+00	0.00000E+00	-3908.7	0.00000E+00	0.00000E+00	0.00000E+00				
56	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
57	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
58	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
61	0	0	0.00000E+00	0.00000E+00	-3562.5	0.00000E+00	0.00000E+00	0.00000E+00				
62	0	0	0.00000E+00	0.00000E+00	-4545.4	0.00000E+00	0.00000E+00	0.00000E+00				
65	0	0	0.00000E+00	0.00000E+00	-3501.8	0.00000E+00	0.00000E+00	0.00000E+00				
66	0	0	0.00000E+00	0.00000E+00	-3856.6	0.00000E+00	0.00000E+00	0.00000E+00				
71	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
72	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
73	74	1	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
79	0	0	0.00000E+00	0.00000E+00	-3460.9	0.00000E+00	0.00000E+00	0.00000E+00				
80	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
81	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
82	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
84	0	0	0.00000E+00	0.00000E+00	-2734.4	0.00000E+00	0.00000E+00	0.00000E+00				
88	0	0	0.00000E+00	0.00000E+00	-4350.5	0.00000E+00	0.00000E+00	0.00000E+00				
89	0	0	0.00000E+00	0.00000E+00	-4414.6	0.00000E+00	0.00000E+00	0.00000E+00				
90	0	0	0.00000E+00	0.00000E+00	-4414.6	0.00000E+00	0.00000E+00	0.00000E+00				
95	0	0	0.00000E+00	0.00000E+00	-476.73	0.00000E+00	0.00000E+00	0.00000E+00				
96	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
97	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
98	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00				
99	0	0	0.00000E+00	0.00000E+00	-9663.9	0.00000E+00	0.00000E+00	0.00000E+00				
100	0	0	0.00000E+00	0.00000E+00	-8468.3	0.00000E+00	0.00000E+00	0.00000E+00				
101	0	0	0.00000E+00	0.00000E+00	-8922.2	0.00000E+00	0.00000E+00	0.00000E+00				
102	0	0	0.00000E+00	0.00000E+00	-5762.6	0.00000E+00	0.00000E+00	0.00000E+00				
103	0	0	0.00000E+00	0.00000E+00	-5504.3	0.00000E+00	0.00000E+00	0.00000E+00				
104	0	0	0.00000E+00	0.00000E+00	-1665.5	0.00000E+00	0.00000E+00	0.00000E+00				
109	0	0	0.00000E+00	0.00000E+00	-5413.1	0.00000E+00	0.00000E+00	0.00000E+00				
110	0	0	0.00000E+00	0.00000E+00	-3890.9	0.00000E+00	0.00000E+00	0.00000E+00				
111	0	0	0.00000E+00	0.00000E+00	-7119.1	0.00000E+00	0.00000E+00	0.00000E+00				
112	0	0	0.00000E+00	0.00000E+00	-7981.7	0.00000E+00	0.00000E+00	0.00000E+00				
113	0	0	0.00000E+00	0.00000E+00	-8041.3	0.00000E+00	0.00000E+00	0.00000E+00				
114	0	0	0.00000E+00	0.00000E+00	-5723.7	0.00000E+00	0.00000E+00	0.00000E+00				
115	0	0	0.00000E+00	0.00000E+00	-1018.6	0.00000E+00	0.00000E+00	0.00000E+00				
116	0	0	0.00000E+00	0.00000E+00	-1054.4	0.00000E+00	0.00000E+00	0.00000E+00				
120	0	0	0.00000E+00	0.00000E+00	-9110.6	0.00000E+00	0.00000E+00	0.00000E+00				





















730	0	0	0.00000E+00	0.00000E+00	-2632.6	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-7816.5	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-7818.0	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-7819.1	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 489  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 220

maxFz (Fz) - Point 5 - Negative - Characteristic

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
6	0	0	0.00000E+00	0.00000E+00	-1139.2	0.00000E+00	0.00000E+00	0.00000E+00	
7	0	0	0.00000E+00	0.00000E+00	-718.06	0.00000E+00	0.00000E+00	0.00000E+00	
8	10	1	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
14	0	0	0.00000E+00	0.00000E+00	-754.14	0.00000E+00	0.00000E+00	0.00000E+00	
15	0	0	0.00000E+00	0.00000E+00	-1353.8	0.00000E+00	0.00000E+00	0.00000E+00	
16	0	0	0.00000E+00	0.00000E+00	-1237.6	0.00000E+00	0.00000E+00	0.00000E+00	
18	0	0	0.00000E+00	0.00000E+00	-947.75	0.00000E+00	0.00000E+00	0.00000E+00	
23	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
24	26	1	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
31	0	0	0.00000E+00	0.00000E+00	-1070.5	0.00000E+00	0.00000E+00	0.00000E+00	
32	33	1	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
34	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
37	0	0	0.00000E+00	0.00000E+00	-1038.8	0.00000E+00	0.00000E+00	0.00000E+00	
38	0	0	0.00000E+00	0.00000E+00	-971.04	0.00000E+00	0.00000E+00	0.00000E+00	
41	0	0	0.00000E+00	0.00000E+00	-1169.3	0.00000E+00	0.00000E+00	0.00000E+00	
42	0	0	0.00000E+00	0.00000E+00	-1182.8	0.00000E+00	0.00000E+00	0.00000E+00	
47	48	1	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
49	0	0	0.00000E+00	0.00000E+00	-1086.6	0.00000E+00	0.00000E+00	0.00000E+00	
50	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
55	0	0	0.00000E+00	0.00000E+00	-1119.9	0.00000E+00	0.00000E+00	0.00000E+00	
56	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
57	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
58	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
61	0	0	0.00000E+00	0.00000E+00	-1117.8	0.00000E+00	0.00000E+00	0.00000E+00	
62	0	0	0.00000E+00	0.00000E+00	-1196.6	0.00000E+00	0.00000E+00	0.00000E+00	
65	0	0	0.00000E+00	0.00000E+00	-1010.4	0.00000E+00	0.00000E+00	0.00000E+00	
66	0	0	0.00000E+00	0.00000E+00	-987.74	0.00000E+00	0.00000E+00	0.00000E+00	
71	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
72	74	1	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
79	0	0	0.00000E+00	0.00000E+00	-938.55	0.00000E+00	0.00000E+00	0.00000E+00	
80	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
81	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
82	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
84	0	0	0.00000E+00	0.00000E+00	-803.42	0.00000E+00	0.00000E+00	0.00000E+00	
88	0	0	0.00000E+00	0.00000E+00	-1215.3	0.00000E+00	0.00000E+00	0.00000E+00	
89	0	0	0.00000E+00	0.00000E+00	-1237.6	0.00000E+00	0.00000E+00	0.00000E+00	
90	0	0	0.00000E+00	0.00000E+00	-1237.6	0.00000E+00	0.00000E+00	0.00000E+00	
95	0	0	0.00000E+00	0.00000E+00	-162.80	0.00000E+00	0.00000E+00	0.00000E+00	
96	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
97	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
98	0	0	0.00000E+00	0.00000E+00	-1086.5	0.00000E+00	0.00000E+00	0.00000E+00	
99	0	0	0.00000E+00	0.00000E+00	-9572.7	0.00000E+00	0.00000E+00	0.00000E+00	
100	0	0	0.00000E+00	0.00000E+00	-5079.5	0.00000E+00	0.00000E+00	0.00000E+00	
101	0	0	0.00000E+00	0.00000E+00	-3749.5	0.00000E+00	0.00000E+00	0.00000E+00	
102	0	0	0.00000E+00	0.00000E+00	-7454.3	0.00000E+00	0.00000E+00	0.00000E+00	
103	0	0	0.00000E+00	0.00000E+00	-78640.	0.00000E+00	0.00000E+00	0.00000E+00	
104	0	0	0.00000E+00	0.00000E+00	-56717.	0.00000E+00	0.00000E+00	0.00000E+00	
109	0	0	0.00000E+00	0.00000E+00	-1216.8	0.00000E+00	0.00000E+00	0.00000E+00	
110	0	0	0.00000E+00	0.00000E+00	-46406.	0.00000E+00	0.00000E+00	0.00000E+00	
111	0	0	0.00000E+00	0.00000E+00	-49014.	0.00000E+00	0.00000E+00	0.00000E+00	
112	0	0	0.00000E+00	0.00000E+00	-35062.	0.00000E+00	0.00000E+00	0.00000E+00	
113	0	0	0.00000E+00	0.00000E+00	-7978.1	0.00000E+00	0.00000E+00	0.00000E+00	
114	0	0	0.00000E+00	0.00000E+00	-3723.6	0.00000E+00	0.00000E+00	0.00000E+00	
115	0	0	0.00000E+00	0.00000E+00	-10089.	0.00000E+00	0.00000E+00	0.00000E+00	
116	0	0	0.00000E+00	0.00000E+00	-10438.	0.00000E+00	0.00000E+00	0.00000E+00	
120	0	0	0.00000E+00	0.00000E+00	-5287.6	0.00000E+00	0.00000E+00	0.00000E+00	
121	0	0	0.00000E+00	0.00000E+00	-5245.9	0.00000E+00	0.00000E+00	0.00000E+00	
122	0	0	0.00000E+00	0.00000E+00	-6200.7	0.00000E+00	0.00000E+00	0.00000E+00	
123	0	0	0.00000E+00	0.00000E+00	-3688.1	0.00000E+00	0.00000E+00	0.00000E+00	
125	0	0	0.00000E+00	0.00000E+00	-8855.5	0.00000E+00	0.00000E+00	0.00000E+00	
126	0	0	0.00000E+00	0.00000E+00	-4604.9	0.00000E+00	0.00000E+00	0.00000E+00	
127	0	0	0.00000E+00	0.00000E+00	-8855.5	0.00000E+00	0.00000E+00	0.00000E+00	
128	129	1	0.00000E+00	0.00000E+00	-8855.5	0.00000E+00	0.00000E+00	0.00000E+00	
134	135	1	0.00000E+00	0.00000E+00	-4604.9	0.00000E+00	0.00000E+00	0.00000E+00	
136	0	0	0.00000E+00	0.00000E+00	-4604.9	0.00000E+00	0.00000E+00	0.00000E+00	
137	0	0	0.00000E+00	0.00000E+00	-8287.6	0.00000E+00	0.00000E+00	0.00000E+00	
138	0	0	0.00000E+00	0.00000E+00	-4326.5	0.00000E+00	0.00000E+00	0.00000E+00	
139	0	0	0.00000E+00	0.00000E+00	-8855.5	0.00000E+00	0.00000E+00	0.00000E+00	
140	0	0	0.00000E+00	0.00000E+00	-8855.5	0.00000E+00	0.00000E+00	0.00000E+00	
141	0	0	0.00000E+00	0.00000E+00	-8855.5	0.00000E+00	0.00000E+00	0.00000E+00	
146	0	0	0.00000E+00	0.00000E+00	-4604.9	0.00000E+00	0.00000E+00	0.00000E+00	
147	0	0	0.00000E+00	0.00000E+00	-4604.9	0.00000E+00	0.00000E+00	0.00000E+00	
148	0	0	0.00000E+00	0.00000E+00	-4604.9	0.00000E+00	0.00000E+00	0.00000E+00	
149	0	0	0.00000E+00	0.00000E+00	-9279.7	0.00000E+00	0.00000E+00	0.00000E+00	
150	0	0	0.00000E+00	0.00000E+00	-4787.8	0.00000E+00	0.00000E+00	0.00000E+00	











690	0	0	0.00000E+00	0.00000E+00	-2625.1	0.00000E+00	0.00000E+00	0.00000E+00
691	0	0	0.00000E+00	0.00000E+00	-2625.2	0.00000E+00	0.00000E+00	0.00000E+00
692	0	0	0.00000E+00	0.00000E+00	-2625.2	0.00000E+00	0.00000E+00	0.00000E+00
693	0	0	0.00000E+00	0.00000E+00	-2625.2	0.00000E+00	0.00000E+00	0.00000E+00
694	0	0	0.00000E+00	0.00000E+00	-2368.3	0.00000E+00	0.00000E+00	0.00000E+00
695	0	0	0.00000E+00	0.00000E+00	-8047.2	0.00000E+00	0.00000E+00	0.00000E+00
696	0	0	0.00000E+00	0.00000E+00	-4044.8	0.00000E+00	0.00000E+00	0.00000E+00
697	0	0	0.00000E+00	0.00000E+00	-1879.7	0.00000E+00	0.00000E+00	0.00000E+00
698	0	0	0.00000E+00	0.00000E+00	-2125.0	0.00000E+00	0.00000E+00	0.00000E+00
699	0	0	0.00000E+00	0.00000E+00	-2816.1	0.00000E+00	0.00000E+00	0.00000E+00
700	0	0	0.00000E+00	0.00000E+00	-10433.	0.00000E+00	0.00000E+00	0.00000E+00
701	0	0	0.00000E+00	0.00000E+00	-6490.4	0.00000E+00	0.00000E+00	0.00000E+00
702	0	0	0.00000E+00	0.00000E+00	-3001.3	0.00000E+00	0.00000E+00	0.00000E+00
703	0	0	0.00000E+00	0.00000E+00	-3126.5	0.00000E+00	0.00000E+00	0.00000E+00
704	705	1	0.00000E+00	0.00000E+00	-10767.	0.00000E+00	0.00000E+00	0.00000E+00
706	0	0	0.00000E+00	0.00000E+00	-6838.6	0.00000E+00	0.00000E+00	0.00000E+00
707	0	0	0.00000E+00	0.00000E+00	-6670.9	0.00000E+00	0.00000E+00	0.00000E+00
708	0	0	0.00000E+00	0.00000E+00	-2920.6	0.00000E+00	0.00000E+00	0.00000E+00
709	0	0	0.00000E+00	0.00000E+00	-2791.6	0.00000E+00	0.00000E+00	0.00000E+00
710	0	0	0.00000E+00	0.00000E+00	-2994.5	0.00000E+00	0.00000E+00	0.00000E+00
711	0	0	0.00000E+00	0.00000E+00	-3021.0	0.00000E+00	0.00000E+00	0.00000E+00
712	0	0	0.00000E+00	0.00000E+00	-3260.9	0.00000E+00	0.00000E+00	0.00000E+00
713	0	0	0.00000E+00	0.00000E+00	-3001.0	0.00000E+00	0.00000E+00	0.00000E+00
714	0	0	0.00000E+00	0.00000E+00	-1335.1	0.00000E+00	0.00000E+00	0.00000E+00
715	0	0	0.00000E+00	0.00000E+00	-2443.0	0.00000E+00	0.00000E+00	0.00000E+00
716	0	0	0.00000E+00	0.00000E+00	-1278.0	0.00000E+00	0.00000E+00	0.00000E+00
717	0	0	0.00000E+00	0.00000E+00	-2625.1	0.00000E+00	0.00000E+00	0.00000E+00
718	0	0	0.00000E+00	0.00000E+00	-2625.1	0.00000E+00	0.00000E+00	0.00000E+00
719	0	0	0.00000E+00	0.00000E+00	-2625.1	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-9450.8	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-9450.8	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-9450.8	0.00000E+00	0.00000E+00	0.00000E+00
723	0	0	0.00000E+00	0.00000E+00	-5845.7	0.00000E+00	0.00000E+00	0.00000E+00
724	0	0	0.00000E+00	0.00000E+00	-5845.7	0.00000E+00	0.00000E+00	0.00000E+00
725	0	0	0.00000E+00	0.00000E+00	-5845.7	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-308.14	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-1364.1	0.00000E+00	0.00000E+00	0.00000E+00
728	0	0	0.00000E+00	0.00000E+00	-2625.1	0.00000E+00	0.00000E+00	0.00000E+00
729	0	0	0.00000E+00	0.00000E+00	-2629.3	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-2632.6	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-2625.2	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-2626.7	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-2627.8	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 539  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 221

maxFz (Fz) - Point 3 - (Point 3) - Negative - Characteristic

CONCENTRATED LOAD								
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
6	0	0	0.00000E+00	0.00000E+00	-4220.7	0.00000E+00	0.00000E+00	0.00000E+00
7	0	0	0.00000E+00	0.00000E+00	-3638.6	0.00000E+00	0.00000E+00	0.00000E+00
8	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
9	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
10	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
14	0	0	0.00000E+00	0.00000E+00	-2501.4	0.00000E+00	0.00000E+00	0.00000E+00
15	0	0	0.00000E+00	0.00000E+00	-4639.7	0.00000E+00	0.00000E+00	0.00000E+00
16	0	0	0.00000E+00	0.00000E+00	-4414.6	0.00000E+00	0.00000E+00	0.00000E+00
18	0	0	0.00000E+00	0.00000E+00	-3598.5	0.00000E+00	0.00000E+00	0.00000E+00
23	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
24	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
25	26	1	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
31	0	0	0.00000E+00	0.00000E+00	-3840.5	0.00000E+00	0.00000E+00	0.00000E+00
32	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
33	34	1	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
37	0	0	0.00000E+00	0.00000E+00	-3670.2	0.00000E+00	0.00000E+00	0.00000E+00
38	0	0	0.00000E+00	0.00000E+00	-3458.7	0.00000E+00	0.00000E+00	0.00000E+00
41	0	0	0.00000E+00	0.00000E+00	-4187.7	0.00000E+00	0.00000E+00	0.00000E+00
42	0	0	0.00000E+00	0.00000E+00	-4217.8	0.00000E+00	0.00000E+00	0.00000E+00
47	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
48	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
49	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
50	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
55	0	0	0.00000E+00	0.00000E+00	-3908.7	0.00000E+00	0.00000E+00	0.00000E+00
56	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
57	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
58	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
61	0	0	0.00000E+00	0.00000E+00	-3562.5	0.00000E+00	0.00000E+00	0.00000E+00
62	0	0	0.00000E+00	0.00000E+00	-4545.4	0.00000E+00	0.00000E+00	0.00000E+00
65	0	0	0.00000E+00	0.00000E+00	-3501.8	0.00000E+00	0.00000E+00	0.00000E+00
66	0	0	0.00000E+00	0.00000E+00	-3856.6	0.00000E+00	0.00000E+00	0.00000E+00
71	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
72	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
73	74	1	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00
79	0	0	0.00000E+00	0.00000E+00	-3460.9	0.00000E+00	0.00000E+00	0.00000E+00
80	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00









711	0	0	0.00000E+00	0.00000E+00	-3004.9	0.00000E+00	0.00000E+00	0.00000E+00
712	0	0	0.00000E+00	0.00000E+00	-3172.6	0.00000E+00	0.00000E+00	0.00000E+00
713	0	0	0.00000E+00	0.00000E+00	-2996.1	0.00000E+00	0.00000E+00	0.00000E+00
714	0	0	0.00000E+00	0.00000E+00	-1327.7	0.00000E+00	0.00000E+00	0.00000E+00
715	0	0	0.00000E+00	0.00000E+00	-22687.	0.00000E+00	0.00000E+00	0.00000E+00
716	0	0	0.00000E+00	0.00000E+00	-26623.	0.00000E+00	0.00000E+00	0.00000E+00
717	0	0	0.00000E+00	0.00000E+00	-47728.	0.00000E+00	0.00000E+00	0.00000E+00
718	0	0	0.00000E+00	0.00000E+00	-49116.	0.00000E+00	0.00000E+00	0.00000E+00
719	0	0	0.00000E+00	0.00000E+00	-33169.	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-49964.	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-0.11436E+06	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-0.11621E+06	0.00000E+00	0.00000E+00	0.00000E+00
723	0	0	0.00000E+00	0.00000E+00	-2625.1	0.00000E+00	0.00000E+00	0.00000E+00
724	0	0	0.00000E+00	0.00000E+00	-46017.	0.00000E+00	0.00000E+00	0.00000E+00
725	0	0	0.00000E+00	0.00000E+00	-45048.	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-16243.	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-8190.2	0.00000E+00	0.00000E+00	0.00000E+00
728	0	0	0.00000E+00	0.00000E+00	-22097.	0.00000E+00	0.00000E+00	0.00000E+00
729	0	0	0.00000E+00	0.00000E+00	-61044.	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-57820.	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-2625.2	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-15276.	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-14248.	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 490  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 222

maxFz (Fz) - Point 4 - (Point 4) - Negative - Characteristic

CONCENTRATED LOAD								
FIRST NODE	LAST NODE	DIFF RNC	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
99	0	0	0.00000E+00	0.00000E+00	-2678.4	0.00000E+00	0.00000E+00	0.00000E+00
100	0	0	0.00000E+00	0.00000E+00	-1044.3	0.00000E+00	0.00000E+00	0.00000E+00
102	0	0	0.00000E+00	0.00000E+00	-886.24	0.00000E+00	0.00000E+00	0.00000E+00
103	104	1	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
110	0	0	0.00000E+00	0.00000E+00	-203.99	0.00000E+00	0.00000E+00	0.00000E+00
111	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
112	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
113	0	0	0.00000E+00	0.00000E+00	-2221.1	0.00000E+00	0.00000E+00	0.00000E+00
114	0	0	0.00000E+00	0.00000E+00	-768.98	0.00000E+00	0.00000E+00	0.00000E+00
115	0	0	0.00000E+00	0.00000E+00	-2801.5	0.00000E+00	0.00000E+00	0.00000E+00
116	0	0	0.00000E+00	0.00000E+00	-2853.2	0.00000E+00	0.00000E+00	0.00000E+00
120	0	0	0.00000E+00	0.00000E+00	-1072.7	0.00000E+00	0.00000E+00	0.00000E+00
121	0	0	0.00000E+00	0.00000E+00	-1072.7	0.00000E+00	0.00000E+00	0.00000E+00
122	0	0	0.00000E+00	0.00000E+00	-1745.2	0.00000E+00	0.00000E+00	0.00000E+00
123	0	0	0.00000E+00	0.00000E+00	-750.60	0.00000E+00	0.00000E+00	0.00000E+00
125	0	0	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
126	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
127	128	1	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
129	0	0	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
134	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
135	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
136	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
137	0	0	0.00000E+00	0.00000E+00	-2291.3	0.00000E+00	0.00000E+00	0.00000E+00
138	0	0	0.00000E+00	0.00000E+00	-862.79	0.00000E+00	0.00000E+00	0.00000E+00
139	0	0	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
140	141	1	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
146	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
147	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
148	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
149	0	0	0.00000E+00	0.00000E+00	-2596.8	0.00000E+00	0.00000E+00	0.00000E+00
150	0	0	0.00000E+00	0.00000E+00	-1020.7	0.00000E+00	0.00000E+00	0.00000E+00
151	0	0	0.00000E+00	0.00000E+00	-2196.3	0.00000E+00	0.00000E+00	0.00000E+00
154	0	0	0.00000E+00	0.00000E+00	-840.93	0.00000E+00	0.00000E+00	0.00000E+00
155	0	0	0.00000E+00	0.00000E+00	-2538.1	0.00000E+00	0.00000E+00	0.00000E+00
156	0	0	0.00000E+00	0.00000E+00	-959.84	0.00000E+00	0.00000E+00	0.00000E+00
157	0	0	0.00000E+00	0.00000E+00	-2676.9	0.00000E+00	0.00000E+00	0.00000E+00
160	0	0	0.00000E+00	0.00000E+00	-1024.9	0.00000E+00	0.00000E+00	0.00000E+00
161	0	0	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
162	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
163	0	0	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
164	165	1	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
170	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
171	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
172	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
173	0	0	0.00000E+00	0.00000E+00	-2598.7	0.00000E+00	0.00000E+00	0.00000E+00
174	0	0	0.00000E+00	0.00000E+00	-1006.9	0.00000E+00	0.00000E+00	0.00000E+00
175	0	0	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
176	0	0	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
177	0	0	0.00000E+00	0.00000E+00	-2459.9	0.00000E+00	0.00000E+00	0.00000E+00
182	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
183	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
184	0	0	0.00000E+00	0.00000E+00	-941.84	0.00000E+00	0.00000E+00	0.00000E+00
185	0	0	0.00000E+00	0.00000E+00	-2462.5	0.00000E+00	0.00000E+00	0.00000E+00
186	0	0	0.00000E+00	0.00000E+00	-916.40	0.00000E+00	0.00000E+00	0.00000E+00
187	0	0	0.00000E+00	0.00000E+00	-2676.9	0.00000E+00	0.00000E+00	0.00000E+00
190	0	0	0.00000E+00	0.00000E+00	-1024.9	0.00000E+00	0.00000E+00	0.00000E+00























690	0	0	0.00000E+00	0.00000E+00	-2625.2	0.00000E+00	0.00000E+00	0.00000E+00
691	692	1	0.00000E+00	0.00000E+00	-2625.2	0.00000E+00	0.00000E+00	0.00000E+00
693	0	0	0.00000E+00	0.00000E+00	-2625.2	0.00000E+00	0.00000E+00	0.00000E+00
694	0	0	0.00000E+00	0.00000E+00	-2360.9	0.00000E+00	0.00000E+00	0.00000E+00
695	0	0	0.00000E+00	0.00000E+00	-6272.1	0.00000E+00	0.00000E+00	0.00000E+00
696	0	0	0.00000E+00	0.00000E+00	-1942.2	0.00000E+00	0.00000E+00	0.00000E+00
697	0	0	0.00000E+00	0.00000E+00	-1860.6	0.00000E+00	0.00000E+00	0.00000E+00
698	0	0	0.00000E+00	0.00000E+00	-2140.6	0.00000E+00	0.00000E+00	0.00000E+00
699	0	0	0.00000E+00	0.00000E+00	-2817.2	0.00000E+00	0.00000E+00	0.00000E+00
700	0	0	0.00000E+00	0.00000E+00	-7276.0	0.00000E+00	0.00000E+00	0.00000E+00
701	0	0	0.00000E+00	0.00000E+00	-2864.4	0.00000E+00	0.00000E+00	0.00000E+00
702	0	0	0.00000E+00	0.00000E+00	-2994.5	0.00000E+00	0.00000E+00	0.00000E+00
703	0	0	0.00000E+00	0.00000E+00	-3138.0	0.00000E+00	0.00000E+00	0.00000E+00
704	0	0	0.00000E+00	0.00000E+00	-7592.2	0.00000E+00	0.00000E+00	0.00000E+00
705	0	0	0.00000E+00	0.00000E+00	-7592.2	0.00000E+00	0.00000E+00	0.00000E+00
706	0	0	0.00000E+00	0.00000E+00	-3154.2	0.00000E+00	0.00000E+00	0.00000E+00
707	0	0	0.00000E+00	0.00000E+00	-2994.5	0.00000E+00	0.00000E+00	0.00000E+00
708	0	0	0.00000E+00	0.00000E+00	-2944.7	0.00000E+00	0.00000E+00	0.00000E+00
709	0	0	0.00000E+00	0.00000E+00	-2815.8	0.00000E+00	0.00000E+00	0.00000E+00
710	711	1	0.00000E+00	0.00000E+00	-2992.1	0.00000E+00	0.00000E+00	0.00000E+00
712	0	0	0.00000E+00	0.00000E+00	-3215.8	0.00000E+00	0.00000E+00	0.00000E+00
713	0	0	0.00000E+00	0.00000E+00	-2990.8	0.00000E+00	0.00000E+00	0.00000E+00
714	0	0	0.00000E+00	0.00000E+00	-1327.7	0.00000E+00	0.00000E+00	0.00000E+00
715	0	0	0.00000E+00	0.00000E+00	-22687.7	0.00000E+00	0.00000E+00	0.00000E+00
716	0	0	0.00000E+00	0.00000E+00	-26623.3	0.00000E+00	0.00000E+00	0.00000E+00
717	0	0	0.00000E+00	0.00000E+00	-47728.8	0.00000E+00	0.00000E+00	0.00000E+00
718	0	0	0.00000E+00	0.00000E+00	-49116.6	0.00000E+00	0.00000E+00	0.00000E+00
719	0	0	0.00000E+00	0.00000E+00	-33169.9	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-49964.4	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-0.11436E+06	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-0.11621E+06	0.00000E+00	0.00000E+00	0.00000E+00
723	0	0	0.00000E+00	0.00000E+00	-2625.1	0.00000E+00	0.00000E+00	0.00000E+00
724	0	0	0.00000E+00	0.00000E+00	-46017.7	0.00000E+00	0.00000E+00	0.00000E+00
725	0	0	0.00000E+00	0.00000E+00	-45048.8	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-14609.9	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-7530.6	0.00000E+00	0.00000E+00	0.00000E+00
728	0	0	0.00000E+00	0.00000E+00	-22097.7	0.00000E+00	0.00000E+00	0.00000E+00
729	0	0	0.00000E+00	0.00000E+00	-61044.4	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-57820.0	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-2625.2	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-15276.6	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-14248.8	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 539  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 224

maxFz (Fz) - Point 1 - (Point 1) - Negative - Combination

CONCENTRATED LOAD			FORCE	FORCE	FORCE	FORCE	FORCE	FORCE
FIRST	LAST	DIFF	FX	FY	FZ	MX	MY	MZ
NODE	NODE	RNCE						
6	0	0	0.00000E+00	0.00000E+00	-1688.3	0.00000E+00	0.00000E+00	0.00000E+00
7	0	0	0.00000E+00	0.00000E+00	-1455.4	0.00000E+00	0.00000E+00	0.00000E+00
8	0	0	0.00000E+00	0.00000E+00	-20245.5	0.00000E+00	0.00000E+00	0.00000E+00
9	0	0	0.00000E+00	0.00000E+00	-39615.5	0.00000E+00	0.00000E+00	0.00000E+00
10	0	0	0.00000E+00	0.00000E+00	-44790.0	0.00000E+00	0.00000E+00	0.00000E+00
14	0	0	0.00000E+00	0.00000E+00	-1000.6	0.00000E+00	0.00000E+00	0.00000E+00
15	0	0	0.00000E+00	0.00000E+00	-1855.9	0.00000E+00	0.00000E+00	0.00000E+00
16	0	0	0.00000E+00	0.00000E+00	-1765.8	0.00000E+00	0.00000E+00	0.00000E+00
18	0	0	0.00000E+00	0.00000E+00	-1439.4	0.00000E+00	0.00000E+00	0.00000E+00
23	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
24	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
25	26	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
31	0	0	0.00000E+00	0.00000E+00	-1536.2	0.00000E+00	0.00000E+00	0.00000E+00
32	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
33	34	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
37	0	0	0.00000E+00	0.00000E+00	-1468.1	0.00000E+00	0.00000E+00	0.00000E+00
38	0	0	0.00000E+00	0.00000E+00	-1383.5	0.00000E+00	0.00000E+00	0.00000E+00
41	0	0	0.00000E+00	0.00000E+00	-1675.1	0.00000E+00	0.00000E+00	0.00000E+00
42	0	0	0.00000E+00	0.00000E+00	-1687.1	0.00000E+00	0.00000E+00	0.00000E+00
47	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
48	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
49	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
50	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
55	0	0	0.00000E+00	0.00000E+00	-1563.5	0.00000E+00	0.00000E+00	0.00000E+00
56	57	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
58	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
61	0	0	0.00000E+00	0.00000E+00	-1425.0	0.00000E+00	0.00000E+00	0.00000E+00
62	0	0	0.00000E+00	0.00000E+00	-1818.2	0.00000E+00	0.00000E+00	0.00000E+00
65	0	0	0.00000E+00	0.00000E+00	-1400.7	0.00000E+00	0.00000E+00	0.00000E+00
66	0	0	0.00000E+00	0.00000E+00	-1542.6	0.00000E+00	0.00000E+00	0.00000E+00
71	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
72	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
73	74	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
79	0	0	0.00000E+00	0.00000E+00	-1384.4	0.00000E+00	0.00000E+00	0.00000E+00
80	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
81	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
82	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00









716	0	0	0.00000E+00	0.00000E+00	-395.05	0.00000E+00	0.00000E+00	0.00000E+00
717	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
718	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
719	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-2665.2	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-2665.2	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-2665.2	0.00000E+00	0.00000E+00	0.00000E+00
723	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
724	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
725	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-628.64	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-500.11	0.00000E+00	0.00000E+00	0.00000E+00
728	0	0	0.00000E+00	0.00000E+00	-1049.9	0.00000E+00	0.00000E+00	0.00000E+00
729	0	0	0.00000E+00	0.00000E+00	-1049.9	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-1049.9	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-1049.8	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-1049.8	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-1049.8	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 490  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 225

maxFz (Fz) - Point 2 - (Point 2) - Negative - Combination

CONCENTRATED LOAD								
FIRST NODE	LAST NODE	DIFF RNC	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
99	0	0	0.00000E+00	0.00000E+00	-1070.2	0.00000E+00	0.00000E+00	0.00000E+00
100	0	0	0.00000E+00	0.00000E+00	-406.33	0.00000E+00	0.00000E+00	0.00000E+00
101	0	0	0.00000E+00	0.00000E+00	-136.78	0.00000E+00	0.00000E+00	0.00000E+00
102	0	0	0.00000E+00	0.00000E+00	-11491.	0.00000E+00	0.00000E+00	0.00000E+00
103	0	0	0.00000E+00	0.00000E+00	-18430.	0.00000E+00	0.00000E+00	0.00000E+00
104	0	0	0.00000E+00	0.00000E+00	-18863.	0.00000E+00	0.00000E+00	0.00000E+00
110	0	0	0.00000E+00	0.00000E+00	-7063.0	0.00000E+00	0.00000E+00	0.00000E+00
111	0	0	0.00000E+00	0.00000E+00	-11479.	0.00000E+00	0.00000E+00	0.00000E+00
112	0	0	0.00000E+00	0.00000E+00	-11754.	0.00000E+00	0.00000E+00	0.00000E+00
113	0	0	0.00000E+00	0.00000E+00	-735.61	0.00000E+00	0.00000E+00	0.00000E+00
114	0	0	0.00000E+00	0.00000E+00	-260.91	0.00000E+00	0.00000E+00	0.00000E+00
115	0	0	0.00000E+00	0.00000E+00	-1158.8	0.00000E+00	0.00000E+00	0.00000E+00
116	0	0	0.00000E+00	0.00000E+00	-1124.8	0.00000E+00	0.00000E+00	0.00000E+00
120	0	0	0.00000E+00	0.00000E+00	-452.31	0.00000E+00	0.00000E+00	0.00000E+00
121	0	0	0.00000E+00	0.00000E+00	-430.66	0.00000E+00	0.00000E+00	0.00000E+00
122	0	0	0.00000E+00	0.00000E+00	-829.00	0.00000E+00	0.00000E+00	0.00000E+00
123	0	0	0.00000E+00	0.00000E+00	-332.98	0.00000E+00	0.00000E+00	0.00000E+00
125	0	0	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
126	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
127	0	0	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
128	0	0	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
129	0	0	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
134	135	1	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
136	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
137	0	0	0.00000E+00	0.00000E+00	-932.98	0.00000E+00	0.00000E+00	0.00000E+00
138	0	0	0.00000E+00	0.00000E+00	-366.01	0.00000E+00	0.00000E+00	0.00000E+00
139	140	1	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
141	0	0	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
146	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
147	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
148	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
149	0	0	0.00000E+00	0.00000E+00	-941.52	0.00000E+00	0.00000E+00	0.00000E+00
150	0	0	0.00000E+00	0.00000E+00	-371.24	0.00000E+00	0.00000E+00	0.00000E+00
151	0	0	0.00000E+00	0.00000E+00	-919.60	0.00000E+00	0.00000E+00	0.00000E+00
154	0	0	0.00000E+00	0.00000E+00	-334.96	0.00000E+00	0.00000E+00	0.00000E+00
155	0	0	0.00000E+00	0.00000E+00	-1037.6	0.00000E+00	0.00000E+00	0.00000E+00
156	0	0	0.00000E+00	0.00000E+00	-400.03	0.00000E+00	0.00000E+00	0.00000E+00
157	0	0	0.00000E+00	0.00000E+00	-1086.8	0.00000E+00	0.00000E+00	0.00000E+00
160	0	0	0.00000E+00	0.00000E+00	-410.96	0.00000E+00	0.00000E+00	0.00000E+00
161	0	0	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
162	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
163	0	0	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
164	0	0	0.00000E+00	0.00000E+00	-988.23	0.00000E+00	0.00000E+00	0.00000E+00
165	0	0	0.00000E+00	0.00000E+00	-985.58	0.00000E+00	0.00000E+00	0.00000E+00
170	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
171	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
172	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
173	0	0	0.00000E+00	0.00000E+00	-1011.0	0.00000E+00	0.00000E+00	0.00000E+00
174	0	0	0.00000E+00	0.00000E+00	-391.93	0.00000E+00	0.00000E+00	0.00000E+00
175	0	0	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
176	0	0	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
177	0	0	0.00000E+00	0.00000E+00	-983.69	0.00000E+00	0.00000E+00	0.00000E+00
182	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
183	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
184	0	0	0.00000E+00	0.00000E+00	-376.64	0.00000E+00	0.00000E+00	0.00000E+00
185	0	0	0.00000E+00	0.00000E+00	-988.78	0.00000E+00	0.00000E+00	0.00000E+00
186	0	0	0.00000E+00	0.00000E+00	-389.16	0.00000E+00	0.00000E+00	0.00000E+00
187	0	0	0.00000E+00	0.00000E+00	-1098.5	0.00000E+00	0.00000E+00	0.00000E+00
190	0	0	0.00000E+00	0.00000E+00	-410.96	0.00000E+00	0.00000E+00	0.00000E+00
191	0	0	0.00000E+00	0.00000E+00	-914.86	0.00000E+00	0.00000E+00	0.00000E+00
192	0	0	0.00000E+00	0.00000E+00	-356.18	0.00000E+00	0.00000E+00	0.00000E+00











NUMBER OF LOADED NODES OR ELEMENTS = 489  
 LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 226

maxFz (Fz) - Point 5 - Negative - Combination

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNCE	FORCE		FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
			FX	FY					
6	0	0	0.00000E+00	0.00000E+00	-455.67	0.00000E+00	0.00000E+00	0.00000E+00	
7	0	0	0.00000E+00	0.00000E+00	-287.22	0.00000E+00	0.00000E+00	0.00000E+00	
8	10	1	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
14	0	0	0.00000E+00	0.00000E+00	-301.65	0.00000E+00	0.00000E+00	0.00000E+00	
15	0	0	0.00000E+00	0.00000E+00	-541.51	0.00000E+00	0.00000E+00	0.00000E+00	
16	0	0	0.00000E+00	0.00000E+00	-495.03	0.00000E+00	0.00000E+00	0.00000E+00	
18	0	0	0.00000E+00	0.00000E+00	-379.10	0.00000E+00	0.00000E+00	0.00000E+00	
23	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
24	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
25	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
26	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
31	0	0	0.00000E+00	0.00000E+00	-428.18	0.00000E+00	0.00000E+00	0.00000E+00	
32	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
33	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
34	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
37	0	0	0.00000E+00	0.00000E+00	-415.51	0.00000E+00	0.00000E+00	0.00000E+00	
38	0	0	0.00000E+00	0.00000E+00	-388.41	0.00000E+00	0.00000E+00	0.00000E+00	
41	0	0	0.00000E+00	0.00000E+00	-467.72	0.00000E+00	0.00000E+00	0.00000E+00	
42	0	0	0.00000E+00	0.00000E+00	-473.13	0.00000E+00	0.00000E+00	0.00000E+00	
47	48	1	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
49	0	0	0.00000E+00	0.00000E+00	-434.63	0.00000E+00	0.00000E+00	0.00000E+00	
50	0	0	0.00000E+00	0.00000E+00	-434.62	0.00000E+00	0.00000E+00	0.00000E+00	
55	0	0	0.00000E+00	0.00000E+00	-447.94	0.00000E+00	0.00000E+00	0.00000E+00	
56	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
57	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
58	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
61	0	0	0.00000E+00	0.00000E+00	-447.13	0.00000E+00	0.00000E+00	0.00000E+00	
62	0	0	0.00000E+00	0.00000E+00	-478.63	0.00000E+00	0.00000E+00	0.00000E+00	
65	0	0	0.00000E+00	0.00000E+00	-404.16	0.00000E+00	0.00000E+00	0.00000E+00	
66	0	0	0.00000E+00	0.00000E+00	-395.09	0.00000E+00	0.00000E+00	0.00000E+00	
71	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
72	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
73	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
74	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
79	0	0	0.00000E+00	0.00000E+00	-375.42	0.00000E+00	0.00000E+00	0.00000E+00	
80	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
81	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
82	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
84	0	0	0.00000E+00	0.00000E+00	-321.37	0.00000E+00	0.00000E+00	0.00000E+00	
88	0	0	0.00000E+00	0.00000E+00	-486.11	0.00000E+00	0.00000E+00	0.00000E+00	
89	0	0	0.00000E+00	0.00000E+00	-495.03	0.00000E+00	0.00000E+00	0.00000E+00	
90	0	0	0.00000E+00	0.00000E+00	-495.03	0.00000E+00	0.00000E+00	0.00000E+00	
95	0	0	0.00000E+00	0.00000E+00	-65.119	0.00000E+00	0.00000E+00	0.00000E+00	
96	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
97	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
98	0	0	0.00000E+00	0.00000E+00	-434.59	0.00000E+00	0.00000E+00	0.00000E+00	
99	0	0	0.00000E+00	0.00000E+00	-3829.1	0.00000E+00	0.00000E+00	0.00000E+00	
100	0	0	0.00000E+00	0.00000E+00	-2031.8	0.00000E+00	0.00000E+00	0.00000E+00	
101	0	0	0.00000E+00	0.00000E+00	-1499.8	0.00000E+00	0.00000E+00	0.00000E+00	
102	0	0	0.00000E+00	0.00000E+00	-52808.	0.00000E+00	0.00000E+00	0.00000E+00	
103	0	0	0.00000E+00	0.00000E+00	-55881.	0.00000E+00	0.00000E+00	0.00000E+00	
104	0	0	0.00000E+00	0.00000E+00	-39438.	0.00000E+00	0.00000E+00	0.00000E+00	
109	0	0	0.00000E+00	0.00000E+00	-486.73	0.00000E+00	0.00000E+00	0.00000E+00	
110	0	0	0.00000E+00	0.00000E+00	-33193.	0.00000E+00	0.00000E+00	0.00000E+00	
111	0	0	0.00000E+00	0.00000E+00	-35148.	0.00000E+00	0.00000E+00	0.00000E+00	
112	0	0	0.00000E+00	0.00000E+00	-24685.	0.00000E+00	0.00000E+00	0.00000E+00	
113	0	0	0.00000E+00	0.00000E+00	-3191.2	0.00000E+00	0.00000E+00	0.00000E+00	
114	0	0	0.00000E+00	0.00000E+00	-1489.4	0.00000E+00	0.00000E+00	0.00000E+00	
115	0	0	0.00000E+00	0.00000E+00	-4035.5	0.00000E+00	0.00000E+00	0.00000E+00	
116	0	0	0.00000E+00	0.00000E+00	-4175.1	0.00000E+00	0.00000E+00	0.00000E+00	
120	0	0	0.00000E+00	0.00000E+00	-2115.0	0.00000E+00	0.00000E+00	0.00000E+00	
121	0	0	0.00000E+00	0.00000E+00	-2098.4	0.00000E+00	0.00000E+00	0.00000E+00	
122	0	0	0.00000E+00	0.00000E+00	-2480.3	0.00000E+00	0.00000E+00	0.00000E+00	
123	0	0	0.00000E+00	0.00000E+00	-1475.2	0.00000E+00	0.00000E+00	0.00000E+00	
125	0	0	0.00000E+00	0.00000E+00	-3542.2	0.00000E+00	0.00000E+00	0.00000E+00	
126	0	0	0.00000E+00	0.00000E+00	-1842.0	0.00000E+00	0.00000E+00	0.00000E+00	
127	0	0	0.00000E+00	0.00000E+00	-3542.2	0.00000E+00	0.00000E+00	0.00000E+00	
128	129	1	0.00000E+00	0.00000E+00	-3542.2	0.00000E+00	0.00000E+00	0.00000E+00	
134	135	1	0.00000E+00	0.00000E+00	-1842.0	0.00000E+00	0.00000E+00	0.00000E+00	
136	0	0	0.00000E+00	0.00000E+00	-1842.0	0.00000E+00	0.00000E+00	0.00000E+00	
137	0	0	0.00000E+00	0.00000E+00	-3315.1	0.00000E+00	0.00000E+00	0.00000E+00	
138	0	0	0.00000E+00	0.00000E+00	-1730.6	0.00000E+00	0.00000E+00	0.00000E+00	
139	140	1	0.00000E+00	0.00000E+00	-3542.2	0.00000E+00	0.00000E+00	0.00000E+00	
141	0	0	0.00000E+00	0.00000E+00	-3542.2	0.00000E+00	0.00000E+00	0.00000E+00	
146	0	0	0.00000E+00	0.00000E+00	-1842.0	0.00000E+00	0.00000E+00	0.00000E+00	
147	0	0	0.00000E+00	0.00000E+00	-1842.0	0.00000E+00	0.00000E+00	0.00000E+00	
148	0	0	0.00000E+00	0.00000E+00	-1842.0	0.00000E+00	0.00000E+00	0.00000E+00	
149	0	0	0.00000E+00	0.00000E+00	-3711.9	0.00000E+00	0.00000E+00	0.00000E+00	
150	0	0	0.00000E+00	0.00000E+00	-1915.1	0.00000E+00	0.00000E+00	0.00000E+00	
151	0	0	0.00000E+00	0.00000E+00	-3161.7	0.00000E+00	0.00000E+00	0.00000E+00	











704	0	0	0.00000E+00	0.00000E+00	-4306.7	0.00000E+00	0.00000E+00	0.00000E+00
705	0	0	0.00000E+00	0.00000E+00	-4306.7	0.00000E+00	0.00000E+00	0.00000E+00
706	0	0	0.00000E+00	0.00000E+00	-2735.4	0.00000E+00	0.00000E+00	0.00000E+00
707	0	0	0.00000E+00	0.00000E+00	-2668.4	0.00000E+00	0.00000E+00	0.00000E+00
708	0	0	0.00000E+00	0.00000E+00	-1168.3	0.00000E+00	0.00000E+00	0.00000E+00
709	0	0	0.00000E+00	0.00000E+00	-1116.6	0.00000E+00	0.00000E+00	0.00000E+00
710	0	0	0.00000E+00	0.00000E+00	-1197.8	0.00000E+00	0.00000E+00	0.00000E+00
711	0	0	0.00000E+00	0.00000E+00	-1208.4	0.00000E+00	0.00000E+00	0.00000E+00
712	0	0	0.00000E+00	0.00000E+00	-1304.4	0.00000E+00	0.00000E+00	0.00000E+00
713	0	0	0.00000E+00	0.00000E+00	-1200.4	0.00000E+00	0.00000E+00	0.00000E+00
714	0	0	0.00000E+00	0.00000E+00	-534.05	0.00000E+00	0.00000E+00	0.00000E+00
715	0	0	0.00000E+00	0.00000E+00	-977.19	0.00000E+00	0.00000E+00	0.00000E+00
716	0	0	0.00000E+00	0.00000E+00	-511.19	0.00000E+00	0.00000E+00	0.00000E+00
717	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
718	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
719	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-3780.3	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-3780.3	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-3780.3	0.00000E+00	0.00000E+00	0.00000E+00
723	724	1	0.00000E+00	0.00000E+00	-2338.3	0.00000E+00	0.00000E+00	0.00000E+00
725	0	0	0.00000E+00	0.00000E+00	-2338.3	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-123.26	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-545.63	0.00000E+00	0.00000E+00	0.00000E+00
728	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
729	0	0	0.00000E+00	0.00000E+00	-1051.7	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-1053.0	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-1050.7	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-1051.1	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 539  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 227

maxFz (Fz) - Point 3 - (Point 3) - Negative - Combination

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE		FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
6	0	0	0.00000E+00	0.00000E+00	-1688.3	0.00000E+00	0.00000E+00	0.00000E+00	
7	0	0	0.00000E+00	0.00000E+00	-1455.4	0.00000E+00	0.00000E+00	0.00000E+00	
8	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
9	10	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
14	0	0	0.00000E+00	0.00000E+00	-1000.6	0.00000E+00	0.00000E+00	0.00000E+00	
15	0	0	0.00000E+00	0.00000E+00	-1855.9	0.00000E+00	0.00000E+00	0.00000E+00	
16	0	0	0.00000E+00	0.00000E+00	-1765.8	0.00000E+00	0.00000E+00	0.00000E+00	
18	0	0	0.00000E+00	0.00000E+00	-1439.4	0.00000E+00	0.00000E+00	0.00000E+00	
23	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
24	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
25	26	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
31	0	0	0.00000E+00	0.00000E+00	-1536.2	0.00000E+00	0.00000E+00	0.00000E+00	
32	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
33	34	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
37	0	0	0.00000E+00	0.00000E+00	-1468.1	0.00000E+00	0.00000E+00	0.00000E+00	
38	0	0	0.00000E+00	0.00000E+00	-1383.5	0.00000E+00	0.00000E+00	0.00000E+00	
41	0	0	0.00000E+00	0.00000E+00	-1675.1	0.00000E+00	0.00000E+00	0.00000E+00	
42	0	0	0.00000E+00	0.00000E+00	-1687.1	0.00000E+00	0.00000E+00	0.00000E+00	
47	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
48	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
49	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
50	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
55	0	0	0.00000E+00	0.00000E+00	-1563.5	0.00000E+00	0.00000E+00	0.00000E+00	
56	57	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
58	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
61	0	0	0.00000E+00	0.00000E+00	-1425.0	0.00000E+00	0.00000E+00	0.00000E+00	
62	0	0	0.00000E+00	0.00000E+00	-1818.2	0.00000E+00	0.00000E+00	0.00000E+00	
65	0	0	0.00000E+00	0.00000E+00	-1400.7	0.00000E+00	0.00000E+00	0.00000E+00	
66	0	0	0.00000E+00	0.00000E+00	-1542.6	0.00000E+00	0.00000E+00	0.00000E+00	
71	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
72	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
73	74	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
79	0	0	0.00000E+00	0.00000E+00	-1384.4	0.00000E+00	0.00000E+00	0.00000E+00	
80	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
81	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
82	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
84	0	0	0.00000E+00	0.00000E+00	-1093.8	0.00000E+00	0.00000E+00	0.00000E+00	
88	0	0	0.00000E+00	0.00000E+00	-1740.2	0.00000E+00	0.00000E+00	0.00000E+00	
89	90	1	0.00000E+00	0.00000E+00	-1765.8	0.00000E+00	0.00000E+00	0.00000E+00	
95	0	0	0.00000E+00	0.00000E+00	-25689.	0.00000E+00	0.00000E+00	0.00000E+00	
96	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
97	0	0	0.00000E+00	0.00000E+00	-37987.	0.00000E+00	0.00000E+00	0.00000E+00	
98	0	0	0.00000E+00	0.00000E+00	-39615.	0.00000E+00	0.00000E+00	0.00000E+00	
99	0	0	0.00000E+00	0.00000E+00	-3865.6	0.00000E+00	0.00000E+00	0.00000E+00	
100	0	0	0.00000E+00	0.00000E+00	-3387.3	0.00000E+00	0.00000E+00	0.00000E+00	
101	0	0	0.00000E+00	0.00000E+00	-1516.2	0.00000E+00	0.00000E+00	0.00000E+00	
102	0	0	0.00000E+00	0.00000E+00	-3576.2	0.00000E+00	0.00000E+00	0.00000E+00	
103	104	1	0.00000E+00	0.00000E+00	-3576.2	0.00000E+00	0.00000E+00	0.00000E+00	
109	0	0	0.00000E+00	0.00000E+00	-2165.2	0.00000E+00	0.00000E+00	0.00000E+00	
110	112	1	0.00000E+00	0.00000E+00	-3100.0	0.00000E+00	0.00000E+00	0.00000E+00	



















672	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
673	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
674	0	0	0.00000E+00	0.00000E+00	-725.35	0.00000E+00	0.00000E+00	0.00000E+00
675	0	0	0.00000E+00	0.00000E+00	-794.04	0.00000E+00	0.00000E+00	0.00000E+00
676	0	0	0.00000E+00	0.00000E+00	-841.91	0.00000E+00	0.00000E+00	0.00000E+00
677	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
678	679	1	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
680	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
681	682	1	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
683	685	1	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
686	0	0	0.00000E+00	0.00000E+00	-923.96	0.00000E+00	0.00000E+00	0.00000E+00
687	0	0	0.00000E+00	0.00000E+00	-2174.7	0.00000E+00	0.00000E+00	0.00000E+00
688	689	1	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
690	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
691	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
692	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
693	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
694	0	0	0.00000E+00	0.00000E+00	-947.31	0.00000E+00	0.00000E+00	0.00000E+00
695	0	0	0.00000E+00	0.00000E+00	-906.54	0.00000E+00	0.00000E+00	0.00000E+00
696	0	0	0.00000E+00	0.00000E+00	-802.16	0.00000E+00	0.00000E+00	0.00000E+00
697	0	0	0.00000E+00	0.00000E+00	-751.88	0.00000E+00	0.00000E+00	0.00000E+00
698	0	0	0.00000E+00	0.00000E+00	-2655.6	0.00000E+00	0.00000E+00	0.00000E+00
699	0	0	0.00000E+00	0.00000E+00	-1126.5	0.00000E+00	0.00000E+00	0.00000E+00
700	0	0	0.00000E+00	0.00000E+00	-1158.0	0.00000E+00	0.00000E+00	0.00000E+00
701	0	0	0.00000E+00	0.00000E+00	-1138.0	0.00000E+00	0.00000E+00	0.00000E+00
702	0	0	0.00000E+00	0.00000E+00	-1200.5	0.00000E+00	0.00000E+00	0.00000E+00
703	0	0	0.00000E+00	0.00000E+00	-1250.6	0.00000E+00	0.00000E+00	0.00000E+00
704	0	0	0.00000E+00	0.00000E+00	-1195.9	0.00000E+00	0.00000E+00	0.00000E+00
705	0	0	0.00000E+00	0.00000E+00	-1195.9	0.00000E+00	0.00000E+00	0.00000E+00
706	0	0	0.00000E+00	0.00000E+00	-1267.7	0.00000E+00	0.00000E+00	0.00000E+00
707	0	0	0.00000E+00	0.00000E+00	-1200.6	0.00000E+00	0.00000E+00	0.00000E+00
708	0	0	0.00000E+00	0.00000E+00	-1168.3	0.00000E+00	0.00000E+00	0.00000E+00
709	0	0	0.00000E+00	0.00000E+00	-3286.6	0.00000E+00	0.00000E+00	0.00000E+00
710	0	0	0.00000E+00	0.00000E+00	-1197.8	0.00000E+00	0.00000E+00	0.00000E+00
711	0	0	0.00000E+00	0.00000E+00	-1208.4	0.00000E+00	0.00000E+00	0.00000E+00
712	0	0	0.00000E+00	0.00000E+00	-3950.1	0.00000E+00	0.00000E+00	0.00000E+00
713	0	0	0.00000E+00	0.00000E+00	-3566.1	0.00000E+00	0.00000E+00	0.00000E+00
714	0	0	0.00000E+00	0.00000E+00	-4295.9	0.00000E+00	0.00000E+00	0.00000E+00
715	0	0	0.00000E+00	0.00000E+00	-9031.7	0.00000E+00	0.00000E+00	0.00000E+00
716	0	0	0.00000E+00	0.00000E+00	-14642.	0.00000E+00	0.00000E+00	0.00000E+00
717	0	0	0.00000E+00	0.00000E+00	-29349.	0.00000E+00	0.00000E+00	0.00000E+00
718	0	0	0.00000E+00	0.00000E+00	-29220.	0.00000E+00	0.00000E+00	0.00000E+00
719	0	0	0.00000E+00	0.00000E+00	-4941.5	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-14985.	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-14997.	0.00000E+00	0.00000E+00	0.00000E+00
723	0	0	0.00000E+00	0.00000E+00	-6261.9	0.00000E+00	0.00000E+00	0.00000E+00
724	0	0	0.00000E+00	0.00000E+00	-53366.	0.00000E+00	0.00000E+00	0.00000E+00
725	0	0	0.00000E+00	0.00000E+00	-53552.	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-123.26	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-8211.6	0.00000E+00	0.00000E+00	0.00000E+00
728	0	0	0.00000E+00	0.00000E+00	-47857.	0.00000E+00	0.00000E+00	0.00000E+00
729	0	0	0.00000E+00	0.00000E+00	-43329.	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-23037.	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-35424.	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-94803.	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-97332.	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 487  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 229

maxFz (Fz) - Point 6 - Negative - Combination

CONCENTRATED LOAD								
FIRST	LAST	DIFF	FORCE		FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ
6	0	0	0.00000E+00	0.00000E+00	-1688.3	0.00000E+00	0.00000E+00	0.00000E+00
7	0	0	0.00000E+00	0.00000E+00	-1455.4	0.00000E+00	0.00000E+00	0.00000E+00
8	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
9	10	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
14	0	0	0.00000E+00	0.00000E+00	-1000.6	0.00000E+00	0.00000E+00	0.00000E+00
15	0	0	0.00000E+00	0.00000E+00	-1855.9	0.00000E+00	0.00000E+00	0.00000E+00
16	0	0	0.00000E+00	0.00000E+00	-1765.8	0.00000E+00	0.00000E+00	0.00000E+00
18	0	0	0.00000E+00	0.00000E+00	-1439.4	0.00000E+00	0.00000E+00	0.00000E+00
23	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
24	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
25	26	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
31	0	0	0.00000E+00	0.00000E+00	-1536.2	0.00000E+00	0.00000E+00	0.00000E+00
32	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
33	34	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
37	0	0	0.00000E+00	0.00000E+00	-1468.1	0.00000E+00	0.00000E+00	0.00000E+00
38	0	0	0.00000E+00	0.00000E+00	-1383.5	0.00000E+00	0.00000E+00	0.00000E+00
41	0	0	0.00000E+00	0.00000E+00	-1675.1	0.00000E+00	0.00000E+00	0.00000E+00
42	0	0	0.00000E+00	0.00000E+00	-1687.1	0.00000E+00	0.00000E+00	0.00000E+00
47	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
48	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
49	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
50	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00









668	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
669	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
670	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
671	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
672	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
673	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
674	0	0	0.00000E+00	0.00000E+00	-726.05	0.00000E+00	0.00000E+00	0.00000E+00
675	0	0	0.00000E+00	0.00000E+00	-1832.7	0.00000E+00	0.00000E+00	0.00000E+00
676	0	0	0.00000E+00	0.00000E+00	-868.17	0.00000E+00	0.00000E+00	0.00000E+00
677	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
678	679	1	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
680	0	0	0.00000E+00	0.00000E+00	-2666.0	0.00000E+00	0.00000E+00	0.00000E+00
681	0	0	0.00000E+00	0.00000E+00	-2667.1	0.00000E+00	0.00000E+00	0.00000E+00
682	0	0	0.00000E+00	0.00000E+00	-2665.2	0.00000E+00	0.00000E+00	0.00000E+00
683	0	0	0.00000E+00	0.00000E+00	-1051.1	0.00000E+00	0.00000E+00	0.00000E+00
684	0	0	0.00000E+00	0.00000E+00	-1052.5	0.00000E+00	0.00000E+00	0.00000E+00
685	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
686	0	0	0.00000E+00	0.00000E+00	-934.57	0.00000E+00	0.00000E+00	0.00000E+00
687	0	0	0.00000E+00	0.00000E+00	-785.28	0.00000E+00	0.00000E+00	0.00000E+00
688	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
689	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
690	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
691	692	1	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
693	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
694	0	0	0.00000E+00	0.00000E+00	-944.37	0.00000E+00	0.00000E+00	0.00000E+00
695	0	0	0.00000E+00	0.00000E+00	-2508.8	0.00000E+00	0.00000E+00	0.00000E+00
696	0	0	0.00000E+00	0.00000E+00	-776.88	0.00000E+00	0.00000E+00	0.00000E+00
697	0	0	0.00000E+00	0.00000E+00	-744.25	0.00000E+00	0.00000E+00	0.00000E+00
698	0	0	0.00000E+00	0.00000E+00	-856.23	0.00000E+00	0.00000E+00	0.00000E+00
699	0	0	0.00000E+00	0.00000E+00	-1126.9	0.00000E+00	0.00000E+00	0.00000E+00
700	0	0	0.00000E+00	0.00000E+00	-2910.4	0.00000E+00	0.00000E+00	0.00000E+00
701	0	0	0.00000E+00	0.00000E+00	-1145.8	0.00000E+00	0.00000E+00	0.00000E+00
702	0	0	0.00000E+00	0.00000E+00	-1197.8	0.00000E+00	0.00000E+00	0.00000E+00
703	0	0	0.00000E+00	0.00000E+00	-1255.2	0.00000E+00	0.00000E+00	0.00000E+00
704	0	0	0.00000E+00	0.00000E+00	-3036.9	0.00000E+00	0.00000E+00	0.00000E+00
705	0	0	0.00000E+00	0.00000E+00	-3036.9	0.00000E+00	0.00000E+00	0.00000E+00
706	0	0	0.00000E+00	0.00000E+00	-1261.7	0.00000E+00	0.00000E+00	0.00000E+00
707	0	0	0.00000E+00	0.00000E+00	-1197.8	0.00000E+00	0.00000E+00	0.00000E+00
708	0	0	0.00000E+00	0.00000E+00	-1177.9	0.00000E+00	0.00000E+00	0.00000E+00
709	0	0	0.00000E+00	0.00000E+00	-1126.3	0.00000E+00	0.00000E+00	0.00000E+00
710	0	0	0.00000E+00	0.00000E+00	-1196.8	0.00000E+00	0.00000E+00	0.00000E+00
711	0	0	0.00000E+00	0.00000E+00	-1196.8	0.00000E+00	0.00000E+00	0.00000E+00
712	0	0	0.00000E+00	0.00000E+00	-1286.3	0.00000E+00	0.00000E+00	0.00000E+00
713	0	0	0.00000E+00	0.00000E+00	-1196.3	0.00000E+00	0.00000E+00	0.00000E+00
714	0	0	0.00000E+00	0.00000E+00	-531.09	0.00000E+00	0.00000E+00	0.00000E+00
715	0	0	0.00000E+00	0.00000E+00	-16204.	0.00000E+00	0.00000E+00	0.00000E+00
716	0	0	0.00000E+00	0.00000E+00	-19622.	0.00000E+00	0.00000E+00	0.00000E+00
717	0	0	0.00000E+00	0.00000E+00	-34877.	0.00000E+00	0.00000E+00	0.00000E+00
718	0	0	0.00000E+00	0.00000E+00	-35918.	0.00000E+00	0.00000E+00	0.00000E+00
719	0	0	0.00000E+00	0.00000E+00	-23958.	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-35141.	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-83439.	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-84826.	0.00000E+00	0.00000E+00	0.00000E+00
723	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
724	0	0	0.00000E+00	0.00000E+00	-33594.	0.00000E+00	0.00000E+00	0.00000E+00
725	0	0	0.00000E+00	0.00000E+00	-32867.	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-10829.	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-5203.5	0.00000E+00	0.00000E+00	0.00000E+00
728	0	0	0.00000E+00	0.00000E+00	-15654.	0.00000E+00	0.00000E+00	0.00000E+00
729	0	0	0.00000E+00	0.00000E+00	-44864.	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-42446.	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-10538.	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-9767.2	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 539  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 230

maxFz (Fz) - Point 1 - (Point 1) - Positive - Characteristic

CONCENTRATED LOAD								
FIRST	LAST	DIFF	FORCE		FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ
246	0	0	0.00000E+00	0.00000E+00	-29627.	0.00000E+00	0.00000E+00	0.00000E+00
247	0	0	0.00000E+00	0.00000E+00	-5651.0	0.00000E+00	0.00000E+00	0.00000E+00
248	0	0	0.00000E+00	0.00000E+00	-9159.7	0.00000E+00	0.00000E+00	0.00000E+00
249	0	0	0.00000E+00	0.00000E+00	-9159.7	0.00000E+00	0.00000E+00	0.00000E+00
254	0	0	0.00000E+00	0.00000E+00	-52760.	0.00000E+00	0.00000E+00	0.00000E+00
255	0	0	0.00000E+00	0.00000E+00	-89073.	0.00000E+00	0.00000E+00	0.00000E+00
256	0	0	0.00000E+00	0.00000E+00	-123.82	0.00000E+00	0.00000E+00	0.00000E+00
257	258	1	0.00000E+00	0.00000E+00	-3269.5	0.00000E+00	0.00000E+00	0.00000E+00
259	0	0	0.00000E+00	0.00000E+00	-28081.	0.00000E+00	0.00000E+00	0.00000E+00
260	0	0	0.00000E+00	0.00000E+00	-206.37	0.00000E+00	0.00000E+00	0.00000E+00
261	0	0	0.00000E+00	0.00000E+00	-6187.3	0.00000E+00	0.00000E+00	0.00000E+00
262	0	0	0.00000E+00	0.00000E+00	-6539.1	0.00000E+00	0.00000E+00	0.00000E+00
263	0	0	0.00000E+00	0.00000E+00	-47892.	0.00000E+00	0.00000E+00	0.00000E+00
264	0	0	0.00000E+00	0.00000E+00	-7986.3	0.00000E+00	0.00000E+00	0.00000E+00
265	0	0	0.00000E+00	0.00000E+00	-35012.	0.00000E+00	0.00000E+00	0.00000E+00















731	0	0	0.00000E+00	0.00000E+00	-7186.1	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-24385.	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-0.11365E+06	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS	=	196
LARGEST NODE OR ELEMENT NUMBER	=	733

L O A D C A S E 233

maxFz (Fz) - Point 4 - (Point 4) - Positive - Characteristic

CONCENTRATED LOAD								
FIRST NODE	LAST NODE	DIFF RANCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
6	0	0	0.00000E+00	0.00000E+00	-4071.2	0.00000E+00	0.00000E+00	0.00000E+00
7	0	0	0.00000E+00	0.00000E+00	-3654.4	0.00000E+00	0.00000E+00	0.00000E+00
8	9	1	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
10	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
14	0	0	0.00000E+00	0.00000E+00	-2764.4	0.00000E+00	0.00000E+00	0.00000E+00
15	0	0	0.00000E+00	0.00000E+00	-4795.3	0.00000E+00	0.00000E+00	0.00000E+00
16	0	0	0.00000E+00	0.00000E+00	-4424.4	0.00000E+00	0.00000E+00	0.00000E+00
18	0	0	0.00000E+00	0.00000E+00	-3317.5	0.00000E+00	0.00000E+00	0.00000E+00
23	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
24	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
25	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
26	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
31	0	0	0.00000E+00	0.00000E+00	-3774.3	0.00000E+00	0.00000E+00	0.00000E+00
32	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
33	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
34	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
37	0	0	0.00000E+00	0.00000E+00	-3797.9	0.00000E+00	0.00000E+00	0.00000E+00
38	0	0	0.00000E+00	0.00000E+00	-3450.4	0.00000E+00	0.00000E+00	0.00000E+00
41	0	0	0.00000E+00	0.00000E+00	-4126.4	0.00000E+00	0.00000E+00	0.00000E+00
42	0	0	0.00000E+00	0.00000E+00	-4223.9	0.00000E+00	0.00000E+00	0.00000E+00
47	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
48	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
49	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
50	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
55	0	0	0.00000E+00	0.00000E+00	-4001.7	0.00000E+00	0.00000E+00	0.00000E+00
56	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
57	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
58	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
61	0	0	0.00000E+00	0.00000E+00	-4073.9	0.00000E+00	0.00000E+00	0.00000E+00
62	0	0	0.00000E+00	0.00000E+00	-4223.9	0.00000E+00	0.00000E+00	0.00000E+00
65	0	0	0.00000E+00	0.00000E+00	-3622.9	0.00000E+00	0.00000E+00	0.00000E+00
66	0	0	0.00000E+00	0.00000E+00	-3450.4	0.00000E+00	0.00000E+00	0.00000E+00
71	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
72	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
73	74	1	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
79	0	0	0.00000E+00	0.00000E+00	-2049.4	0.00000E+00	0.00000E+00	0.00000E+00
80	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
81	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
82	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
84	0	0	0.00000E+00	0.00000E+00	-4344.0	0.00000E+00	0.00000E+00	0.00000E+00
88	0	0	0.00000E+00	0.00000E+00	-4130.6	0.00000E+00	0.00000E+00	0.00000E+00
89	0	0	0.00000E+00	0.00000E+00	-4424.4	0.00000E+00	0.00000E+00	0.00000E+00
90	0	0	0.00000E+00	0.00000E+00	-4424.4	0.00000E+00	0.00000E+00	0.00000E+00
95	0	0	0.00000E+00	0.00000E+00	-19035.	0.00000E+00	0.00000E+00	0.00000E+00
96	0	0	0.00000E+00	0.00000E+00	-3874.6	0.00000E+00	0.00000E+00	0.00000E+00
97	0	0	0.00000E+00	0.00000E+00	-69662.	0.00000E+00	0.00000E+00	0.00000E+00
98	0	0	0.00000E+00	0.00000E+00	-54627.	0.00000E+00	0.00000E+00	0.00000E+00
99	0	0	0.00000E+00	0.00000E+00	-9735.0	0.00000E+00	0.00000E+00	0.00000E+00
100	0	0	0.00000E+00	0.00000E+00	-8305.0	0.00000E+00	0.00000E+00	0.00000E+00
101	0	0	0.00000E+00	0.00000E+00	-3698.0	0.00000E+00	0.00000E+00	0.00000E+00
102	0	0	0.00000E+00	0.00000E+00	-8939.6	0.00000E+00	0.00000E+00	0.00000E+00
103	0	0	0.00000E+00	0.00000E+00	-8939.6	0.00000E+00	0.00000E+00	0.00000E+00
104	0	0	0.00000E+00	0.00000E+00	-8939.6	0.00000E+00	0.00000E+00	0.00000E+00
109	0	0	0.00000E+00	0.00000E+00	-5399.4	0.00000E+00	0.00000E+00	0.00000E+00
110	0	0	0.00000E+00	0.00000E+00	-7749.1	0.00000E+00	0.00000E+00	0.00000E+00
111	0	0	0.00000E+00	0.00000E+00	-7749.1	0.00000E+00	0.00000E+00	0.00000E+00
112	0	0	0.00000E+00	0.00000E+00	-7749.1	0.00000E+00	0.00000E+00	0.00000E+00
113	0	0	0.00000E+00	0.00000E+00	-7973.0	0.00000E+00	0.00000E+00	0.00000E+00
114	0	0	0.00000E+00	0.00000E+00	-5798.7	0.00000E+00	0.00000E+00	0.00000E+00
115	0	0	0.00000E+00	0.00000E+00	-10208.	0.00000E+00	0.00000E+00	0.00000E+00
116	0	0	0.00000E+00	0.00000E+00	-10351.	0.00000E+00	0.00000E+00	0.00000E+00
120	0	0	0.00000E+00	0.00000E+00	-9312.4	0.00000E+00	0.00000E+00	0.00000E+00
121	0	0	0.00000E+00	0.00000E+00	-8848.8	0.00000E+00	0.00000E+00	0.00000E+00
122	0	0	0.00000E+00	0.00000E+00	-6431.0	0.00000E+00	0.00000E+00	0.00000E+00
123	0	0	0.00000E+00	0.00000E+00	-6480.7	0.00000E+00	0.00000E+00	0.00000E+00
125	0	0	0.00000E+00	0.00000E+00	-8939.6	0.00000E+00	0.00000E+00	0.00000E+00
126	0	0	0.00000E+00	0.00000E+00	-7749.1	0.00000E+00	0.00000E+00	0.00000E+00
127	0	0	0.00000E+00	0.00000E+00	-8939.6	0.00000E+00	0.00000E+00	0.00000E+00
128	0	0	0.00000E+00	0.00000E+00	-8939.6	0.00000E+00	0.00000E+00	0.00000E+00
129	0	0	0.00000E+00	0.00000E+00	-8939.6	0.00000E+00	0.00000E+00	0.00000E+00
134	0	0	0.00000E+00	0.00000E+00	-7749.1	0.00000E+00	0.00000E+00	0.00000E+00
135	0	0	0.00000E+00	0.00000E+00	-7749.1	0.00000E+00	0.00000E+00	0.00000E+00
136	0	0	0.00000E+00	0.00000E+00	-7749.1	0.00000E+00	0.00000E+00	0.00000E+00
137	0	0	0.00000E+00	0.00000E+00	-8201.0	0.00000E+00	0.00000E+00	0.00000E+00
138	0	0	0.00000E+00	0.00000E+00	-7343.9	0.00000E+00	0.00000E+00	0.00000E+00
139	0	0	0.00000E+00	0.00000E+00	-8939.6	0.00000E+00	0.00000E+00	0.00000E+00



638	0	0	0.00000E+00	0.00000E+00	-6094.0	0.00000E+00	0.00000E+00	0.00000E+00
645	0	0	0.00000E+00	0.00000E+00	-5402.1	0.00000E+00	0.00000E+00	0.00000E+00
648	0	0	0.00000E+00	0.00000E+00	-4978.1	0.00000E+00	0.00000E+00	0.00000E+00
655	0	0	0.00000E+00	0.00000E+00	-5590.0	0.00000E+00	0.00000E+00	0.00000E+00
660	0	0	0.00000E+00	0.00000E+00	-5590.0	0.00000E+00	0.00000E+00	0.00000E+00
661	0	0	0.00000E+00	0.00000E+00	-5590.0	0.00000E+00	0.00000E+00	0.00000E+00
662	0	0	0.00000E+00	0.00000E+00	-5590.0	0.00000E+00	0.00000E+00	0.00000E+00
675	0	0	0.00000E+00	0.00000E+00	-4382.8	0.00000E+00	0.00000E+00	0.00000E+00
680	681	1	0.00000E+00	0.00000E+00	-5590.0	0.00000E+00	0.00000E+00	0.00000E+00
682	0	0	0.00000E+00	0.00000E+00	-5590.0	0.00000E+00	0.00000E+00	0.00000E+00
695	0	0	0.00000E+00	0.00000E+00	-4335.8	0.00000E+00	0.00000E+00	0.00000E+00
700	0	0	0.00000E+00	0.00000E+00	-5732.4	0.00000E+00	0.00000E+00	0.00000E+00
704	0	0	0.00000E+00	0.00000E+00	-6533.3	0.00000E+00	0.00000E+00	0.00000E+00
705	0	0	0.00000E+00	0.00000E+00	-6965.7	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-73713.	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-78813.	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-55829.	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 195  
LARGEST NODE OR ELEMENT NUMBER = 722

L O A D C A S E 234

maxFz (Fz) - Point 1 - (Point 1) - Positive - Combination

CONCENTRATED LOAD										
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ		
246	0	0	0.00000E+00	0.00000E+00	-18844.	0.00000E+00	0.00000E+00	0.00000E+00		
247	0	0	0.00000E+00	0.00000E+00	-2260.4	0.00000E+00	0.00000E+00	0.00000E+00		
248	249	1	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00		
254	0	0	0.00000E+00	0.00000E+00	-38273.	0.00000E+00	0.00000E+00	0.00000E+00		
255	0	0	0.00000E+00	0.00000E+00	-64244.	0.00000E+00	0.00000E+00	0.00000E+00		
256	0	0	0.00000E+00	0.00000E+00	-49.528	0.00000E+00	0.00000E+00	0.00000E+00		
257	258	1	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00		
259	0	0	0.00000E+00	0.00000E+00	-19917.	0.00000E+00	0.00000E+00	0.00000E+00		
260	0	0	0.00000E+00	0.00000E+00	-82.547	0.00000E+00	0.00000E+00	0.00000E+00		
261	0	0	0.00000E+00	0.00000E+00	-2474.9	0.00000E+00	0.00000E+00	0.00000E+00		
262	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00		
263	0	0	0.00000E+00	0.00000E+00	-33630.	0.00000E+00	0.00000E+00	0.00000E+00		
264	0	0	0.00000E+00	0.00000E+00	-3194.5	0.00000E+00	0.00000E+00	0.00000E+00		
265	0	0	0.00000E+00	0.00000E+00	-22608.	0.00000E+00	0.00000E+00	0.00000E+00		
266	0	0	0.00000E+00	0.00000E+00	-10680.	0.00000E+00	0.00000E+00	0.00000E+00		
270	0	0	0.00000E+00	0.00000E+00	-816.20	0.00000E+00	0.00000E+00	0.00000E+00		
271	0	0	0.00000E+00	0.00000E+00	-1735.9	0.00000E+00	0.00000E+00	0.00000E+00		
272	0	0	0.00000E+00	0.00000E+00	-30465.	0.00000E+00	0.00000E+00	0.00000E+00		
273	0	0	0.00000E+00	0.00000E+00	-1489.5	0.00000E+00	0.00000E+00	0.00000E+00		
274	0	0	0.00000E+00	0.00000E+00	-51272.	0.00000E+00	0.00000E+00	0.00000E+00		
275	0	0	0.00000E+00	0.00000E+00	-3039.4	0.00000E+00	0.00000E+00	0.00000E+00		
276	0	0	0.00000E+00	0.00000E+00	-2497.2	0.00000E+00	0.00000E+00	0.00000E+00		
278	0	0	0.00000E+00	0.00000E+00	-1261.4	0.00000E+00	0.00000E+00	0.00000E+00		
279	0	0	0.00000E+00	0.00000E+00	-2397.5	0.00000E+00	0.00000E+00	0.00000E+00		
280	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00		
281	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00		
282	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00		
283	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00		
288	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00		
289	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00		
290	291	1	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00		
292	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00		
293	294	1	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00		
295	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00		
296	0	0	0.00000E+00	0.00000E+00	-3513.5	0.00000E+00	0.00000E+00	0.00000E+00		
297	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00		
298	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00		
299	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00		
304	0	0	0.00000E+00	0.00000E+00	-1258.3	0.00000E+00	0.00000E+00	0.00000E+00		
305	0	0	0.00000E+00	0.00000E+00	-2518.0	0.00000E+00	0.00000E+00	0.00000E+00		
306	308	1	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00		
309	311	1	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00		
312	0	0	0.00000E+00	0.00000E+00	-3684.1	0.00000E+00	0.00000E+00	0.00000E+00		
313	0	0	0.00000E+00	0.00000E+00	-3271.3	0.00000E+00	0.00000E+00	0.00000E+00		
316	0	0	0.00000E+00	0.00000E+00	-1207.5	0.00000E+00	0.00000E+00	0.00000E+00		
317	0	0	0.00000E+00	0.00000E+00	-2445.7	0.00000E+00	0.00000E+00	0.00000E+00		
318	0	0	0.00000E+00	0.00000E+00	-1222.5	0.00000E+00	0.00000E+00	0.00000E+00		
319	0	0	0.00000E+00	0.00000E+00	-2426.8	0.00000E+00	0.00000E+00	0.00000E+00		
320	0	0	0.00000E+00	0.00000E+00	-3863.3	0.00000E+00	0.00000E+00	0.00000E+00		
321	0	0	0.00000E+00	0.00000E+00	-3987.2	0.00000E+00	0.00000E+00	0.00000E+00		
324	0	0	0.00000E+00	0.00000E+00	-1382.4	0.00000E+00	0.00000E+00	0.00000E+00		
325	0	0	0.00000E+00	0.00000E+00	-2766.0	0.00000E+00	0.00000E+00	0.00000E+00		
326	0	0	0.00000E+00	0.00000E+00	-1468.4	0.00000E+00	0.00000E+00	0.00000E+00		
327	0	0	0.00000E+00	0.00000E+00	-2921.7	0.00000E+00	0.00000E+00	0.00000E+00		
328	330	1	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00		
331	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00		
336	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00		
337	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00		
338	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00		
339	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00		
340	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00		
341	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00		





632	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
633	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
641	0	0	0.00000E+00	0.00000E+00	-2853.7	0.00000E+00	0.00000E+00	0.00000E+00
643	0	0	0.00000E+00	0.00000E+00	-3128.9	0.00000E+00	0.00000E+00	0.00000E+00
651	0	0	0.00000E+00	0.00000E+00	-2777.7	0.00000E+00	0.00000E+00	0.00000E+00
653	0	0	0.00000E+00	0.00000E+00	-2567.1	0.00000E+00	0.00000E+00	0.00000E+00
667	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
671	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
672	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
673	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
687	0	0	0.00000E+00	0.00000E+00	-1965.2	0.00000E+00	0.00000E+00	0.00000E+00
691	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
692	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
693	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
698	0	0	0.00000E+00	0.00000E+00	-2460.8	0.00000E+00	0.00000E+00	0.00000E+00
709	0	0	0.00000E+00	0.00000E+00	-3001.6	0.00000E+00	0.00000E+00	0.00000E+00
712	0	0	0.00000E+00	0.00000E+00	-3658.8	0.00000E+00	0.00000E+00	0.00000E+00
713	0	0	0.00000E+00	0.00000E+00	-3289.6	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-1965.2	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-2875.2	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 194  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 235

maxFz (Fz) - Point 2 - (Point 2) - Positive - Combination

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
6	0	0	0.00000E+00	0.00000E+00	-1692.2	0.00000E+00	0.00000E+00	0.00000E+00	
7	0	0	0.00000E+00	0.00000E+00	-21763.	0.00000E+00	0.00000E+00	0.00000E+00	
8	0	0	0.00000E+00	0.00000E+00	-39615.	0.00000E+00	0.00000E+00	0.00000E+00	
9	0	0	0.00000E+00	0.00000E+00	-43177.	0.00000E+00	0.00000E+00	0.00000E+00	
10	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
14	0	0	0.00000E+00	0.00000E+00	-993.60	0.00000E+00	0.00000E+00	0.00000E+00	
15	0	0	0.00000E+00	0.00000E+00	-1851.8	0.00000E+00	0.00000E+00	0.00000E+00	
16	0	0	0.00000E+00	0.00000E+00	-1765.6	0.00000E+00	0.00000E+00	0.00000E+00	
18	0	0	0.00000E+00	0.00000E+00	-1446.8	0.00000E+00	0.00000E+00	0.00000E+00	
23	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
24	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
25	26	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
31	0	0	0.00000E+00	0.00000E+00	-1538.0	0.00000E+00	0.00000E+00	0.00000E+00	
32	34	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
37	0	0	0.00000E+00	0.00000E+00	-1464.7	0.00000E+00	0.00000E+00	0.00000E+00	
38	0	0	0.00000E+00	0.00000E+00	-1383.7	0.00000E+00	0.00000E+00	0.00000E+00	
41	0	0	0.00000E+00	0.00000E+00	-1676.7	0.00000E+00	0.00000E+00	0.00000E+00	
42	0	0	0.00000E+00	0.00000E+00	-1686.9	0.00000E+00	0.00000E+00	0.00000E+00	
47	48	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
49	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
50	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
55	0	0	0.00000E+00	0.00000E+00	-1583.3	0.00000E+00	0.00000E+00	0.00000E+00	
56	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
57	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
58	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
61	0	0	0.00000E+00	0.00000E+00	-1417.6	0.00000E+00	0.00000E+00	0.00000E+00	
62	0	0	0.00000E+00	0.00000E+00	-1800.6	0.00000E+00	0.00000E+00	0.00000E+00	
65	0	0	0.00000E+00	0.00000E+00	-1422.3	0.00000E+00	0.00000E+00	0.00000E+00	
66	0	0	0.00000E+00	0.00000E+00	-1526.2	0.00000E+00	0.00000E+00	0.00000E+00	
71	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
72	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
73	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
74	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
79	0	0	0.00000E+00	0.00000E+00	-1421.7	0.00000E+00	0.00000E+00	0.00000E+00	
80	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
81	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
82	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
84	0	0	0.00000E+00	0.00000E+00	-1051.2	0.00000E+00	0.00000E+00	0.00000E+00	
88	0	0	0.00000E+00	0.00000E+00	-1746.0	0.00000E+00	0.00000E+00	0.00000E+00	
89	0	0	0.00000E+00	0.00000E+00	-1765.6	0.00000E+00	0.00000E+00	0.00000E+00	
90	0	0	0.00000E+00	0.00000E+00	-1765.6	0.00000E+00	0.00000E+00	0.00000E+00	
95	0	0	0.00000E+00	0.00000E+00	-144.01	0.00000E+00	0.00000E+00	0.00000E+00	
96	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
97	98	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
99	0	0	0.00000E+00	0.00000E+00	-3863.7	0.00000E+00	0.00000E+00	0.00000E+00	
100	0	0	0.00000E+00	0.00000E+00	-3391.6	0.00000E+00	0.00000E+00	0.00000E+00	
101	0	0	0.00000E+00	0.00000E+00	-1518.6	0.00000E+00	0.00000E+00	0.00000E+00	
102	0	0	0.00000E+00	0.00000E+00	-39455.	0.00000E+00	0.00000E+00	0.00000E+00	
103	0	0	0.00000E+00	0.00000E+00	-8060.4	0.00000E+00	0.00000E+00	0.00000E+00	
104	0	0	0.00000E+00	0.00000E+00	-3576.2	0.00000E+00	0.00000E+00	0.00000E+00	
109	0	0	0.00000E+00	0.00000E+00	-27551.	0.00000E+00	0.00000E+00	0.00000E+00	
110	0	0	0.00000E+00	0.00000E+00	-50681.	0.00000E+00	0.00000E+00	0.00000E+00	
111	0	0	0.00000E+00	0.00000E+00	-55134.	0.00000E+00	0.00000E+00	0.00000E+00	
112	0	0	0.00000E+00	0.00000E+00	-3100.0	0.00000E+00	0.00000E+00	0.00000E+00	
113	0	0	0.00000E+00	0.00000E+00	-3218.3	0.00000E+00	0.00000E+00	0.00000E+00	
114	0	0	0.00000E+00	0.00000E+00	-2287.5	0.00000E+00	0.00000E+00	0.00000E+00	
115	0	0	0.00000E+00	0.00000E+00	-4073.6	0.00000E+00	0.00000E+00	0.00000E+00	



601	602	1	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
615	0	0	0.00000E+00	0.00000E+00	-2307.3	0.00000E+00	0.00000E+00	0.00000E+00
620	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
621	622	1	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
635	0	0	0.00000E+00	0.00000E+00	-2360.7	0.00000E+00	0.00000E+00	0.00000E+00
638	0	0	0.00000E+00	0.00000E+00	-2433.8	0.00000E+00	0.00000E+00	0.00000E+00
645	0	0	0.00000E+00	0.00000E+00	-2083.2	0.00000E+00	0.00000E+00	0.00000E+00
648	0	0	0.00000E+00	0.00000E+00	-1996.3	0.00000E+00	0.00000E+00	0.00000E+00
655	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
660	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
661	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
662	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
675	0	0	0.00000E+00	0.00000E+00	-1465.4	0.00000E+00	0.00000E+00	0.00000E+00
680	681	1	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
682	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
695	0	0	0.00000E+00	0.00000E+00	-2189.1	0.00000E+00	0.00000E+00	0.00000E+00
700	0	0	0.00000E+00	0.00000E+00	-2432.2	0.00000E+00	0.00000E+00	0.00000E+00
704	0	0	0.00000E+00	0.00000E+00	-2547.3	0.00000E+00	0.00000E+00	0.00000E+00
705	0	0	0.00000E+00	0.00000E+00	-2547.3	0.00000E+00	0.00000E+00	0.00000E+00
715	0	0	0.00000E+00	0.00000E+00	-832.56	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 196  
LARGEST NODE OR ELEMENT NUMBER = 722

L O A D C A S E 236

maxFz (Fz) - Point 3 - (Point 3) - Positive - Combination

CONCENTRATED LOAD								
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
245	0	0	0.00000E+00	0.00000E+00	-1426.2	0.00000E+00	0.00000E+00	0.00000E+00
246	0	0	0.00000E+00	0.00000E+00	-4015.3	0.00000E+00	0.00000E+00	0.00000E+00
247	248	1	0.00000E+00	0.00000E+00	-3662.9	0.00000E+00	0.00000E+00	0.00000E+00
249	0	0	0.00000E+00	0.00000E+00	-3662.9	0.00000E+00	0.00000E+00	0.00000E+00
254	0	0	0.00000E+00	0.00000E+00	-1355.6	0.00000E+00	0.00000E+00	0.00000E+00
255	0	0	0.00000E+00	0.00000E+00	-2733.3	0.00000E+00	0.00000E+00	0.00000E+00
256	0	0	0.00000E+00	0.00000E+00	-1068.4	0.00000E+00	0.00000E+00	0.00000E+00
257	259	1	0.00000E+00	0.00000E+00	-1307.5	0.00000E+00	0.00000E+00	0.00000E+00
260	0	0	0.00000E+00	0.00000E+00	-1977.1	0.00000E+00	0.00000E+00	0.00000E+00
261	262	1	0.00000E+00	0.00000E+00	-2614.9	0.00000E+00	0.00000E+00	0.00000E+00
263	0	0	0.00000E+00	0.00000E+00	-2614.9	0.00000E+00	0.00000E+00	0.00000E+00
264	0	0	0.00000E+00	0.00000E+00	-3239.2	0.00000E+00	0.00000E+00	0.00000E+00
265	0	0	0.00000E+00	0.00000E+00	-4188.3	0.00000E+00	0.00000E+00	0.00000E+00
266	0	0	0.00000E+00	0.00000E+00	-4188.3	0.00000E+00	0.00000E+00	0.00000E+00
270	0	0	0.00000E+00	0.00000E+00	-1128.7	0.00000E+00	0.00000E+00	0.00000E+00
271	0	0	0.00000E+00	0.00000E+00	-2290.9	0.00000E+00	0.00000E+00	0.00000E+00
272	0	0	0.00000E+00	0.00000E+00	-1529.1	0.00000E+00	0.00000E+00	0.00000E+00
273	0	0	0.00000E+00	0.00000E+00	-1627.0	0.00000E+00	0.00000E+00	0.00000E+00
274	0	0	0.00000E+00	0.00000E+00	-3046.9	0.00000E+00	0.00000E+00	0.00000E+00
275	0	0	0.00000E+00	0.00000E+00	-3210.0	0.00000E+00	0.00000E+00	0.00000E+00
276	0	0	0.00000E+00	0.00000E+00	-2693.5	0.00000E+00	0.00000E+00	0.00000E+00
278	0	0	0.00000E+00	0.00000E+00	-896.97	0.00000E+00	0.00000E+00	0.00000E+00
279	0	0	0.00000E+00	0.00000E+00	-1793.5	0.00000E+00	0.00000E+00	0.00000E+00
280	0	0	0.00000E+00	0.00000E+00	-3662.9	0.00000E+00	0.00000E+00	0.00000E+00
281	0	0	0.00000E+00	0.00000E+00	-3662.9	0.00000E+00	0.00000E+00	0.00000E+00
282	0	0	0.00000E+00	0.00000E+00	-3662.9	0.00000E+00	0.00000E+00	0.00000E+00
283	0	0	0.00000E+00	0.00000E+00	-3662.9	0.00000E+00	0.00000E+00	0.00000E+00
288	0	0	0.00000E+00	0.00000E+00	-1307.5	0.00000E+00	0.00000E+00	0.00000E+00
289	0	0	0.00000E+00	0.00000E+00	-2614.9	0.00000E+00	0.00000E+00	0.00000E+00
290	291	1	0.00000E+00	0.00000E+00	-1307.5	0.00000E+00	0.00000E+00	0.00000E+00
292	0	0	0.00000E+00	0.00000E+00	-1307.5	0.00000E+00	0.00000E+00	0.00000E+00
293	294	1	0.00000E+00	0.00000E+00	-2614.9	0.00000E+00	0.00000E+00	0.00000E+00
295	0	0	0.00000E+00	0.00000E+00	-2614.9	0.00000E+00	0.00000E+00	0.00000E+00
296	0	0	0.00000E+00	0.00000E+00	-3381.6	0.00000E+00	0.00000E+00	0.00000E+00
297	0	0	0.00000E+00	0.00000E+00	-3662.9	0.00000E+00	0.00000E+00	0.00000E+00
298	0	0	0.00000E+00	0.00000E+00	-3662.9	0.00000E+00	0.00000E+00	0.00000E+00
299	0	0	0.00000E+00	0.00000E+00	-3662.9	0.00000E+00	0.00000E+00	0.00000E+00
304	0	0	0.00000E+00	0.00000E+00	-1242.8	0.00000E+00	0.00000E+00	0.00000E+00
305	0	0	0.00000E+00	0.00000E+00	-2468.5	0.00000E+00	0.00000E+00	0.00000E+00
306	0	0	0.00000E+00	0.00000E+00	-1307.5	0.00000E+00	0.00000E+00	0.00000E+00
307	0	0	0.00000E+00	0.00000E+00	-1307.5	0.00000E+00	0.00000E+00	0.00000E+00
308	0	0	0.00000E+00	0.00000E+00	-1307.5	0.00000E+00	0.00000E+00	0.00000E+00
309	0	0	0.00000E+00	0.00000E+00	-2614.9	0.00000E+00	0.00000E+00	0.00000E+00
310	0	0	0.00000E+00	0.00000E+00	-2614.9	0.00000E+00	0.00000E+00	0.00000E+00
311	0	0	0.00000E+00	0.00000E+00	-2614.9	0.00000E+00	0.00000E+00	0.00000E+00
312	0	0	0.00000E+00	0.00000E+00	-3782.1	0.00000E+00	0.00000E+00	0.00000E+00
313	0	0	0.00000E+00	0.00000E+00	-3341.3	0.00000E+00	0.00000E+00	0.00000E+00
316	0	0	0.00000E+00	0.00000E+00	-1339.3	0.00000E+00	0.00000E+00	0.00000E+00
317	0	0	0.00000E+00	0.00000E+00	-2688.0	0.00000E+00	0.00000E+00	0.00000E+00
318	0	0	0.00000E+00	0.00000E+00	-1162.8	0.00000E+00	0.00000E+00	0.00000E+00
319	0	0	0.00000E+00	0.00000E+00	-2337.5	0.00000E+00	0.00000E+00	0.00000E+00
320	0	0	0.00000E+00	0.00000E+00	-3743.9	0.00000E+00	0.00000E+00	0.00000E+00
321	0	0	0.00000E+00	0.00000E+00	-4065.7	0.00000E+00	0.00000E+00	0.00000E+00
324	0	0	0.00000E+00	0.00000E+00	-1365.8	0.00000E+00	0.00000E+00	0.00000E+00
325	0	0	0.00000E+00	0.00000E+00	-2717.5	0.00000E+00	0.00000E+00	0.00000E+00
326	0	0	0.00000E+00	0.00000E+00	-1426.6	0.00000E+00	0.00000E+00	0.00000E+00



607	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
611	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
612	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
613	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
627	0	0	0.00000E+00	0.00000E+00	-2965.4	0.00000E+00	0.00000E+00	0.00000E+00
631	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
632	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
633	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
641	0	0	0.00000E+00	0.00000E+00	-3027.0	0.00000E+00	0.00000E+00	0.00000E+00
643	0	0	0.00000E+00	0.00000E+00	-3136.4	0.00000E+00	0.00000E+00	0.00000E+00
651	0	0	0.00000E+00	0.00000E+00	-2687.0	0.00000E+00	0.00000E+00	0.00000E+00
653	0	0	0.00000E+00	0.00000E+00	-2556.4	0.00000E+00	0.00000E+00	0.00000E+00
667	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
671	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
672	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
673	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
687	0	0	0.00000E+00	0.00000E+00	-1549.2	0.00000E+00	0.00000E+00	0.00000E+00
691	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
692	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
693	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
698	0	0	0.00000E+00	0.00000E+00	-3134.4	0.00000E+00	0.00000E+00	0.00000E+00
709	0	0	0.00000E+00	0.00000E+00	-3038.9	0.00000E+00	0.00000E+00	0.00000E+00
712	0	0	0.00000E+00	0.00000E+00	-3362.9	0.00000E+00	0.00000E+00	0.00000E+00
713	0	0	0.00000E+00	0.00000E+00	-3286.8	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-1926.2	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-2874.4	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-15774.	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-82723.	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 196  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 237

maxFz (Fz) - Point 4 - (Point 4) - Positive - Combination

CONCENTRATED LOAD									
FIRST	LAST	DIFF	FORCE		FORCE	FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ	
6	0	0	0.00000E+00	0.00000E+00	-1628.5	0.00000E+00	0.00000E+00	0.00000E+00	
7	0	0	0.00000E+00	0.00000E+00	-1461.8	0.00000E+00	0.00000E+00	0.00000E+00	
8	10	1	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
14	0	0	0.00000E+00	0.00000E+00	-1105.8	0.00000E+00	0.00000E+00	0.00000E+00	
15	0	0	0.00000E+00	0.00000E+00	-1918.1	0.00000E+00	0.00000E+00	0.00000E+00	
16	0	0	0.00000E+00	0.00000E+00	-1769.8	0.00000E+00	0.00000E+00	0.00000E+00	
18	0	0	0.00000E+00	0.00000E+00	-1327.0	0.00000E+00	0.00000E+00	0.00000E+00	
23	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
24	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
25	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
26	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
31	0	0	0.00000E+00	0.00000E+00	-1509.7	0.00000E+00	0.00000E+00	0.00000E+00	
32	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
33	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
34	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
37	0	0	0.00000E+00	0.00000E+00	-1519.1	0.00000E+00	0.00000E+00	0.00000E+00	
38	0	0	0.00000E+00	0.00000E+00	-1380.2	0.00000E+00	0.00000E+00	0.00000E+00	
41	0	0	0.00000E+00	0.00000E+00	-1650.6	0.00000E+00	0.00000E+00	0.00000E+00	
42	0	0	0.00000E+00	0.00000E+00	-1689.5	0.00000E+00	0.00000E+00	0.00000E+00	
47	48	1	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
49	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
50	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
55	0	0	0.00000E+00	0.00000E+00	-1600.7	0.00000E+00	0.00000E+00	0.00000E+00	
56	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
57	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
58	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
61	0	0	0.00000E+00	0.00000E+00	-1629.6	0.00000E+00	0.00000E+00	0.00000E+00	
62	0	0	0.00000E+00	0.00000E+00	-1689.5	0.00000E+00	0.00000E+00	0.00000E+00	
65	0	0	0.00000E+00	0.00000E+00	-1449.2	0.00000E+00	0.00000E+00	0.00000E+00	
66	0	0	0.00000E+00	0.00000E+00	-1380.2	0.00000E+00	0.00000E+00	0.00000E+00	
71	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
72	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
73	74	1	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
79	0	0	0.00000E+00	0.00000E+00	-819.76	0.00000E+00	0.00000E+00	0.00000E+00	
80	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
81	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
82	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
84	0	0	0.00000E+00	0.00000E+00	-1737.6	0.00000E+00	0.00000E+00	0.00000E+00	
88	0	0	0.00000E+00	0.00000E+00	-1652.2	0.00000E+00	0.00000E+00	0.00000E+00	
89	0	0	0.00000E+00	0.00000E+00	-1769.8	0.00000E+00	0.00000E+00	0.00000E+00	
90	0	0	0.00000E+00	0.00000E+00	-1769.8	0.00000E+00	0.00000E+00	0.00000E+00	
95	0	0	0.00000E+00	0.00000E+00	-13492.	0.00000E+00	0.00000E+00	0.00000E+00	
96	0	0	0.00000E+00	0.00000E+00	-1549.8	0.00000E+00	0.00000E+00	0.00000E+00	
97	0	0	0.00000E+00	0.00000E+00	-50890.	0.00000E+00	0.00000E+00	0.00000E+00	
98	0	0	0.00000E+00	0.00000E+00	-39614.	0.00000E+00	0.00000E+00	0.00000E+00	
99	0	0	0.00000E+00	0.00000E+00	-3894.0	0.00000E+00	0.00000E+00	0.00000E+00	
100	0	0	0.00000E+00	0.00000E+00	-3322.0	0.00000E+00	0.00000E+00	0.00000E+00	
101	0	0	0.00000E+00	0.00000E+00	-1479.2	0.00000E+00	0.00000E+00	0.00000E+00	
102	103	1	0.00000E+00	0.00000E+00	-3575.8	0.00000E+00	0.00000E+00	0.00000E+00	
104	0	0	0.00000E+00	0.00000E+00	-3575.8	0.00000E+00	0.00000E+00	0.00000E+00	
109	0	0	0.00000E+00	0.00000E+00	-2159.8	0.00000E+00	0.00000E+00	0.00000E+00	



















699	0	0	0.00000E+00	0.00000E+00	-2832.1	0.00000E+00	0.00000E+00	0.00000E+00
701	0	0	0.00000E+00	0.00000E+00	-1453.2	0.00000E+00	0.00000E+00	0.00000E+00
702	0	0	0.00000E+00	0.00000E+00	-2999.5	0.00000E+00	0.00000E+00	0.00000E+00
703	0	0	0.00000E+00	0.00000E+00	-3089.7	0.00000E+00	0.00000E+00	0.00000E+00
706	0	0	0.00000E+00	0.00000E+00	-1705.1	0.00000E+00	0.00000E+00	0.00000E+00
707	0	0	0.00000E+00	0.00000E+00	-1584.2	0.00000E+00	0.00000E+00	0.00000E+00
708	0	0	0.00000E+00	0.00000E+00	-2872.0	0.00000E+00	0.00000E+00	0.00000E+00
709	0	0	0.00000E+00	0.00000E+00	-8197.7	0.00000E+00	0.00000E+00	0.00000E+00
710	0	0	0.00000E+00	0.00000E+00	-2999.5	0.00000E+00	0.00000E+00	0.00000E+00
711	0	0	0.00000E+00	0.00000E+00	-3078.1	0.00000E+00	0.00000E+00	0.00000E+00
712	0	0	0.00000E+00	0.00000E+00	-9876.4	0.00000E+00	0.00000E+00	0.00000E+00
713	0	0	0.00000E+00	0.00000E+00	-8934.6	0.00000E+00	0.00000E+00	0.00000E+00
714	0	0	0.00000E+00	0.00000E+00	-1315.5	0.00000E+00	0.00000E+00	0.00000E+00
716	0	0	0.00000E+00	0.00000E+00	-1001.9	0.00000E+00	0.00000E+00	0.00000E+00
717	0	0	0.00000E+00	0.00000E+00	-41563.	0.00000E+00	0.00000E+00	0.00000E+00
718	0	0	0.00000E+00	0.00000E+00	-6434.4	0.00000E+00	0.00000E+00	0.00000E+00
719	0	0	0.00000E+00	0.00000E+00	-2624.7	0.00000E+00	0.00000E+00	0.00000E+00
723	0	0	0.00000E+00	0.00000E+00	-1386.3	0.00000E+00	0.00000E+00	0.00000E+00
724	0	0	0.00000E+00	0.00000E+00	-6488.5	0.00000E+00	0.00000E+00	0.00000E+00
725	0	0	0.00000E+00	0.00000E+00	-53536.	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-31997.	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-24349.	0.00000E+00	0.00000E+00	0.00000E+00
728	0	0	0.00000E+00	0.00000E+00	-2624.7	0.00000E+00	0.00000E+00	0.00000E+00
729	0	0	0.00000E+00	0.00000E+00	-62646.	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-59004.	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-29004.	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-0.13133E+06	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-0.14291E+06	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 329  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 240

MaxMx (Mx) - Point 5 - Negative - Combination

CONCENTRATED LOAD								
FIRST	LAST	DIFF	FORCE		FORCE	FORCE	FORCE	FORCE
NODE	NODE	RNCE	FX	FY	FZ	MX	MY	MZ
245	0	0	0.00000E+00	0.00000E+00	-2492.9	0.00000E+00	0.00000E+00	0.00000E+00
246	0	0	0.00000E+00	0.00000E+00	-3829.8	0.00000E+00	0.00000E+00	0.00000E+00
247	0	0	0.00000E+00	0.00000E+00	-14694.	0.00000E+00	0.00000E+00	0.00000E+00
248	0	0	0.00000E+00	0.00000E+00	-18701.	0.00000E+00	0.00000E+00	0.00000E+00
249	0	0	0.00000E+00	0.00000E+00	-17101.	0.00000E+00	0.00000E+00	0.00000E+00
254	0	0	0.00000E+00	0.00000E+00	-1472.6	0.00000E+00	0.00000E+00	0.00000E+00
255	0	0	0.00000E+00	0.00000E+00	-2906.3	0.00000E+00	0.00000E+00	0.00000E+00
256	0	0	0.00000E+00	0.00000E+00	-11934.	0.00000E+00	0.00000E+00	0.00000E+00
257	0	0	0.00000E+00	0.00000E+00	-33425.	0.00000E+00	0.00000E+00	0.00000E+00
258	0	0	0.00000E+00	0.00000E+00	-41762.	0.00000E+00	0.00000E+00	0.00000E+00
259	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00
260	0	0	0.00000E+00	0.00000E+00	-20213.	0.00000E+00	0.00000E+00	0.00000E+00
261	0	0	0.00000E+00	0.00000E+00	-56144.	0.00000E+00	0.00000E+00	0.00000E+00
262	0	0	0.00000E+00	0.00000E+00	-70039.	0.00000E+00	0.00000E+00	0.00000E+00
263	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00
264	0	0	0.00000E+00	0.00000E+00	-3091.9	0.00000E+00	0.00000E+00	0.00000E+00
265	0	0	0.00000E+00	0.00000E+00	-4317.8	0.00000E+00	0.00000E+00	0.00000E+00
266	0	0	0.00000E+00	0.00000E+00	-4451.3	0.00000E+00	0.00000E+00	0.00000E+00
270	0	0	0.00000E+00	0.00000E+00	-889.46	0.00000E+00	0.00000E+00	0.00000E+00
271	0	0	0.00000E+00	0.00000E+00	-1838.3	0.00000E+00	0.00000E+00	0.00000E+00
272	0	0	0.00000E+00	0.00000E+00	-1489.9	0.00000E+00	0.00000E+00	0.00000E+00
273	0	0	0.00000E+00	0.00000E+00	-1489.9	0.00000E+00	0.00000E+00	0.00000E+00
274	0	0	0.00000E+00	0.00000E+00	-3000.4	0.00000E+00	0.00000E+00	0.00000E+00
275	0	0	0.00000E+00	0.00000E+00	-3019.4	0.00000E+00	0.00000E+00	0.00000E+00
276	0	0	0.00000E+00	0.00000E+00	-2628.6	0.00000E+00	0.00000E+00	0.00000E+00
278	0	0	0.00000E+00	0.00000E+00	-1197.2	0.00000E+00	0.00000E+00	0.00000E+00
279	0	0	0.00000E+00	0.00000E+00	-2313.7	0.00000E+00	0.00000E+00	0.00000E+00
280	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00
281	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00
282	283	1	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00
288	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00
289	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00
290	291	1	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00
292	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00
293	294	1	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00
295	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00
296	0	0	0.00000E+00	0.00000E+00	-3529.8	0.00000E+00	0.00000E+00	0.00000E+00
297	299	1	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00
304	0	0	0.00000E+00	0.00000E+00	-1205.0	0.00000E+00	0.00000E+00	0.00000E+00
305	0	0	0.00000E+00	0.00000E+00	-2431.1	0.00000E+00	0.00000E+00	0.00000E+00
306	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00
307	308	1	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00
309	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00
310	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00
311	0	0	0.00000E+00	0.00000E+00	-2615.6	0.00000E+00	0.00000E+00	0.00000E+00
312	0	0	0.00000E+00	0.00000E+00	-3655.4	0.00000E+00	0.00000E+00	0.00000E+00
313	0	0	0.00000E+00	0.00000E+00	-3270.3	0.00000E+00	0.00000E+00	0.00000E+00
316	0	0	0.00000E+00	0.00000E+00	-1197.1	0.00000E+00	0.00000E+00	0.00000E+00
317	0	0	0.00000E+00	0.00000E+00	-2424.9	0.00000E+00	0.00000E+00	0.00000E+00
318	0	0	0.00000E+00	0.00000E+00	-1283.0	0.00000E+00	0.00000E+00	0.00000E+00
319	0	0	0.00000E+00	0.00000E+00	-2527.5	0.00000E+00	0.00000E+00	0.00000E+00







643	0	0	0.00000E+00	0.00000E+00	-3403.6	0.00000E+00	0.00000E+00	0.00000E+00
644	0	0	0.00000E+00	0.00000E+00	-973.42	0.00000E+00	0.00000E+00	0.00000E+00
646	0	0	0.00000E+00	0.00000E+00	-527.25	0.00000E+00	0.00000E+00	0.00000E+00
647	0	0	0.00000E+00	0.00000E+00	-949.09	0.00000E+00	0.00000E+00	0.00000E+00
649	0	0	0.00000E+00	0.00000E+00	-493.85	0.00000E+00	0.00000E+00	0.00000E+00
650	0	0	0.00000E+00	0.00000E+00	-1007.7	0.00000E+00	0.00000E+00	0.00000E+00
651	0	0	0.00000E+00	0.00000E+00	-3017.5	0.00000E+00	0.00000E+00	0.00000E+00
652	0	0	0.00000E+00	0.00000E+00	-942.39	0.00000E+00	0.00000E+00	0.00000E+00
653	0	0	0.00000E+00	0.00000E+00	-2790.2	0.00000E+00	0.00000E+00	0.00000E+00
654	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
656	0	0	0.00000E+00	0.00000E+00	-554.56	0.00000E+00	0.00000E+00	0.00000E+00
657	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
658	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
659	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
663	0	0	0.00000E+00	0.00000E+00	-554.56	0.00000E+00	0.00000E+00	0.00000E+00
664	0	0	0.00000E+00	0.00000E+00	-554.56	0.00000E+00	0.00000E+00	0.00000E+00
665	0	0	0.00000E+00	0.00000E+00	-554.56	0.00000E+00	0.00000E+00	0.00000E+00
666	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
667	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
668	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
669	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
670	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
671	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
672	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
673	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
674	0	0	0.00000E+00	0.00000E+00	-730.61	0.00000E+00	0.00000E+00	0.00000E+00
676	0	0	0.00000E+00	0.00000E+00	-353.91	0.00000E+00	0.00000E+00	0.00000E+00
677	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
678	679	1	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
683	0	0	0.00000E+00	0.00000E+00	-554.56	0.00000E+00	0.00000E+00	0.00000E+00
684	0	0	0.00000E+00	0.00000E+00	-554.56	0.00000E+00	0.00000E+00	0.00000E+00
685	0	0	0.00000E+00	0.00000E+00	-554.56	0.00000E+00	0.00000E+00	0.00000E+00
686	0	0	0.00000E+00	0.00000E+00	-911.48	0.00000E+00	0.00000E+00	0.00000E+00
687	0	0	0.00000E+00	0.00000E+00	-2166.4	0.00000E+00	0.00000E+00	0.00000E+00
688	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
689	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
690	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
691	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
692	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
693	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
694	0	0	0.00000E+00	0.00000E+00	-945.73	0.00000E+00	0.00000E+00	0.00000E+00
696	0	0	0.00000E+00	0.00000E+00	-511.68	0.00000E+00	0.00000E+00	0.00000E+00
697	0	0	0.00000E+00	0.00000E+00	-760.75	0.00000E+00	0.00000E+00	0.00000E+00
698	0	0	0.00000E+00	0.00000E+00	-2663.3	0.00000E+00	0.00000E+00	0.00000E+00
699	0	0	0.00000E+00	0.00000E+00	-1130.2	0.00000E+00	0.00000E+00	0.00000E+00
701	0	0	0.00000E+00	0.00000E+00	-579.92	0.00000E+00	0.00000E+00	0.00000E+00
702	0	0	0.00000E+00	0.00000E+00	-1199.0	0.00000E+00	0.00000E+00	0.00000E+00
703	0	0	0.00000E+00	0.00000E+00	-1244.4	0.00000E+00	0.00000E+00	0.00000E+00
706	0	0	0.00000E+00	0.00000E+00	-694.05	0.00000E+00	0.00000E+00	0.00000E+00
707	0	0	0.00000E+00	0.00000E+00	-633.26	0.00000E+00	0.00000E+00	0.00000E+00
708	0	0	0.00000E+00	0.00000E+00	-1157.0	0.00000E+00	0.00000E+00	0.00000E+00
709	0	0	0.00000E+00	0.00000E+00	-3282.2	0.00000E+00	0.00000E+00	0.00000E+00
710	0	0	0.00000E+00	0.00000E+00	-1199.0	0.00000E+00	0.00000E+00	0.00000E+00
711	0	0	0.00000E+00	0.00000E+00	-1221.7	0.00000E+00	0.00000E+00	0.00000E+00
712	0	0	0.00000E+00	0.00000E+00	-3950.4	0.00000E+00	0.00000E+00	0.00000E+00
713	0	0	0.00000E+00	0.00000E+00	-3570.6	0.00000E+00	0.00000E+00	0.00000E+00
714	0	0	0.00000E+00	0.00000E+00	-529.48	0.00000E+00	0.00000E+00	0.00000E+00
716	0	0	0.00000E+00	0.00000E+00	-402.13	0.00000E+00	0.00000E+00	0.00000E+00
717	0	0	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
718	719	1	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
723	0	0	0.00000E+00	0.00000E+00	-554.56	0.00000E+00	0.00000E+00	0.00000E+00
724	0	0	0.00000E+00	0.00000E+00	-554.56	0.00000E+00	0.00000E+00	0.00000E+00
725	0	0	0.00000E+00	0.00000E+00	-554.56	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-119.94	0.00000E+00	0.00000E+00	0.00000E+00
727	0	0	0.00000E+00	0.00000E+00	-1962.2	0.00000E+00	0.00000E+00	0.00000E+00
728	729	1	0.00000E+00	0.00000E+00	-1050.0	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-1054.8	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-3126.6	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-3128.3	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 342  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 241

MaxMx (Mx) - Point 6 - Negative - Combination

FIRST NODE	CONCENTRATED LOAD			FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
	LAST NODE	DIFF RNCE							
245	0	0	0.00000E+00	0.00000E+00	-2492.9	0.00000E+00	0.00000E+00	0.00000E+00	
246	0	0	0.00000E+00	0.00000E+00	-3829.8	0.00000E+00	0.00000E+00	0.00000E+00	
247	248	1	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00	
249	0	0	0.00000E+00	0.00000E+00	-3663.9	0.00000E+00	0.00000E+00	0.00000E+00	
254	0	0	0.00000E+00	0.00000E+00	-1472.6	0.00000E+00	0.00000E+00	0.00000E+00	
255	0	0	0.00000E+00	0.00000E+00	-2906.3	0.00000E+00	0.00000E+00	0.00000E+00	
256	0	0	0.00000E+00	0.00000E+00	-129.85	0.00000E+00	0.00000E+00	0.00000E+00	
257	0	0	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00	
258	259	1	0.00000E+00	0.00000E+00	-1307.8	0.00000E+00	0.00000E+00	0.00000E+00	







729	0	0	0.00000E+00	0.00000E+00	-46066.	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-43331.	0.00000E+00	0.00000E+00	0.00000E+00
731	0	0	0.00000E+00	0.00000E+00	-19018.	0.00000E+00	0.00000E+00	0.00000E+00
732	0	0	0.00000E+00	0.00000E+00	-95762.	0.00000E+00	0.00000E+00	0.00000E+00
733	0	0	0.00000E+00	0.00000E+00	-0.10445E+06	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 329  
LARGEST NODE OR ELEMENT NUMBER = 733

L O A D C A S E 242

MaxMx (Mx) - Point 5 - Positive - Characteristic

CONCENTRATED LOAD										
FIRST NODE	LAST NODE	DIFF RNCE	FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ		
6	0	0	0.00000E+00	0.00000E+00	-4220.7	0.00000E+00	0.00000E+00	0.00000E+00		
7	0	0	0.00000E+00	0.00000E+00	-3638.6	0.00000E+00	0.00000E+00	0.00000E+00		
8	0	0	0.00000E+00	0.00000E+00	-28802.	0.00000E+00	0.00000E+00	0.00000E+00		
9	0	0	0.00000E+00	0.00000E+00	-54628.	0.00000E+00	0.00000E+00	0.00000E+00		
10	0	0	0.00000E+00	0.00000E+00	-61529.	0.00000E+00	0.00000E+00	0.00000E+00		
14	0	0	0.00000E+00	0.00000E+00	-2501.4	0.00000E+00	0.00000E+00	0.00000E+00		
15	0	0	0.00000E+00	0.00000E+00	-4639.7	0.00000E+00	0.00000E+00	0.00000E+00		
16	0	0	0.00000E+00	0.00000E+00	-4414.6	0.00000E+00	0.00000E+00	0.00000E+00		
18	0	0	0.00000E+00	0.00000E+00	-3598.5	0.00000E+00	0.00000E+00	0.00000E+00		
23	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
24	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
25	26	1	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
31	0	0	0.00000E+00	0.00000E+00	-3840.5	0.00000E+00	0.00000E+00	0.00000E+00		
32	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
33	34	1	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
37	0	0	0.00000E+00	0.00000E+00	-3670.2	0.00000E+00	0.00000E+00	0.00000E+00		
38	0	0	0.00000E+00	0.00000E+00	-3458.7	0.00000E+00	0.00000E+00	0.00000E+00		
41	0	0	0.00000E+00	0.00000E+00	-4187.7	0.00000E+00	0.00000E+00	0.00000E+00		
42	0	0	0.00000E+00	0.00000E+00	-4217.8	0.00000E+00	0.00000E+00	0.00000E+00		
47	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
48	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
49	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
50	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
55	0	0	0.00000E+00	0.00000E+00	-3908.7	0.00000E+00	0.00000E+00	0.00000E+00		
56	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
57	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
58	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
61	0	0	0.00000E+00	0.00000E+00	-3562.5	0.00000E+00	0.00000E+00	0.00000E+00		
62	0	0	0.00000E+00	0.00000E+00	-4545.4	0.00000E+00	0.00000E+00	0.00000E+00		
65	0	0	0.00000E+00	0.00000E+00	-3501.8	0.00000E+00	0.00000E+00	0.00000E+00		
66	0	0	0.00000E+00	0.00000E+00	-3856.6	0.00000E+00	0.00000E+00	0.00000E+00		
71	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
72	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
73	74	1	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
79	0	0	0.00000E+00	0.00000E+00	-3460.9	0.00000E+00	0.00000E+00	0.00000E+00		
80	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
81	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
82	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
84	0	0	0.00000E+00	0.00000E+00	-2734.4	0.00000E+00	0.00000E+00	0.00000E+00		
88	0	0	0.00000E+00	0.00000E+00	-4350.5	0.00000E+00	0.00000E+00	0.00000E+00		
89	0	0	0.00000E+00	0.00000E+00	-4414.6	0.00000E+00	0.00000E+00	0.00000E+00		
90	0	0	0.00000E+00	0.00000E+00	-4414.6	0.00000E+00	0.00000E+00	0.00000E+00		
95	0	0	0.00000E+00	0.00000E+00	-476.73	0.00000E+00	0.00000E+00	0.00000E+00		
96	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
97	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
98	0	0	0.00000E+00	0.00000E+00	-3875.0	0.00000E+00	0.00000E+00	0.00000E+00		
99	0	0	0.00000E+00	0.00000E+00	-9663.9	0.00000E+00	0.00000E+00	0.00000E+00		
100	0	0	0.00000E+00	0.00000E+00	-8468.3	0.00000E+00	0.00000E+00	0.00000E+00		
101	0	0	0.00000E+00	0.00000E+00	-8922.2	0.00000E+00	0.00000E+00	0.00000E+00		
102	0	0	0.00000E+00	0.00000E+00	-57626.	0.00000E+00	0.00000E+00	0.00000E+00		
103	0	0	0.00000E+00	0.00000E+00	-55043.	0.00000E+00	0.00000E+00	0.00000E+00		
104	0	0	0.00000E+00	0.00000E+00	-16655.	0.00000E+00	0.00000E+00	0.00000E+00		
109	0	0	0.00000E+00	0.00000E+00	-5413.1	0.00000E+00	0.00000E+00	0.00000E+00		
110	0	0	0.00000E+00	0.00000E+00	-38909.	0.00000E+00	0.00000E+00	0.00000E+00		
111	0	0	0.00000E+00	0.00000E+00	-71191.	0.00000E+00	0.00000E+00	0.00000E+00		
112	0	0	0.00000E+00	0.00000E+00	-79817.	0.00000E+00	0.00000E+00	0.00000E+00		
113	0	0	0.00000E+00	0.00000E+00	-8041.3	0.00000E+00	0.00000E+00	0.00000E+00		
114	0	0	0.00000E+00	0.00000E+00	-5723.7	0.00000E+00	0.00000E+00	0.00000E+00		
115	0	0	0.00000E+00	0.00000E+00	-10186.	0.00000E+00	0.00000E+00	0.00000E+00		
116	0	0	0.00000E+00	0.00000E+00	-10544.	0.00000E+00	0.00000E+00	0.00000E+00		
120	0	0	0.00000E+00	0.00000E+00	-9110.6	0.00000E+00	0.00000E+00	0.00000E+00		
121	0	0	0.00000E+00	0.00000E+00	-8829.2	0.00000E+00	0.00000E+00	0.00000E+00		
122	0	0	0.00000E+00	0.00000E+00	-6268.6	0.00000E+00	0.00000E+00	0.00000E+00		
123	0	0	0.00000E+00	0.00000E+00	-6618.2	0.00000E+00	0.00000E+00	0.00000E+00		
125	0	0	0.00000E+00	0.00000E+00	-8940.6	0.00000E+00	0.00000E+00	0.00000E+00		
126	0	0	0.00000E+00	0.00000E+00	-7750.0	0.00000E+00	0.00000E+00	0.00000E+00		
127	0	0	0.00000E+00	0.00000E+00	-8940.6	0.00000E+00	0.00000E+00	0.00000E+00		
128	129	1	0.00000E+00	0.00000E+00	-8940.6	0.00000E+00	0.00000E+00	0.00000E+00		
134	0	0	0.00000E+00	0.00000E+00	-7750.0	0.00000E+00	0.00000E+00	0.00000E+00		
135	0	0	0.00000E+00	0.00000E+00	-7750.0	0.00000E+00	0.00000E+00	0.00000E+00		
136	0	0	0.00000E+00	0.00000E+00	-7750.0	0.00000E+00	0.00000E+00	0.00000E+00		
137	0	0	0.00000E+00	0.00000E+00	-8367.7	0.00000E+00	0.00000E+00	0.00000E+00		
138	0	0	0.00000E+00	0.00000E+00	-7481.4	0.00000E+00	0.00000E+00	0.00000E+00		
139	0	0	0.00000E+00	0.00000E+00	-8940.6	0.00000E+00	0.00000E+00	0.00000E+00		















719	0	0	0.00000E+00	0.00000E+00	-33169.	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-49964.	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-0.11436E+06	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-0.11621E+06	0.00000E+00	0.00000E+00	0.00000E+00
723	0	0	0.00000E+00	0.00000E+00	-2625.2	0.00000E+00	0.00000E+00	0.00000E+00
724	0	0	0.00000E+00	0.00000E+00	-46017.	0.00000E+00	0.00000E+00	0.00000E+00
725	0	0	0.00000E+00	0.00000E+00	-45048.	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-60.416	0.00000E+00	0.00000E+00	0.00000E+00
728	0	0	0.00000E+00	0.00000E+00	-20414.	0.00000E+00	0.00000E+00	0.00000E+00
729	0	0	0.00000E+00	0.00000E+00	-30581.	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-29696.	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 343  
LARGEST NODE OR ELEMENT NUMBER = 730

L O A D C A S E 244

MaxMx (Mx) - Point 5 - Positive - Combination

CONCENTRATED LOAD									
FIRST NODE	LAST NODE	DIFF RNCE	FORCE		FORCE FZ	FORCE MX	FORCE MY	FORCE MZ	
			FX	FY					
6	0	0	0.00000E+00	0.00000E+00	-1688.3	0.00000E+00	0.00000E+00	0.00000E+00	
7	0	0	0.00000E+00	0.00000E+00	-1455.4	0.00000E+00	0.00000E+00	0.00000E+00	
8	0	0	0.00000E+00	0.00000E+00	-20245.	0.00000E+00	0.00000E+00	0.00000E+00	
9	0	0	0.00000E+00	0.00000E+00	-39615.	0.00000E+00	0.00000E+00	0.00000E+00	
10	0	0	0.00000E+00	0.00000E+00	-44790.	0.00000E+00	0.00000E+00	0.00000E+00	
14	0	0	0.00000E+00	0.00000E+00	-1000.6	0.00000E+00	0.00000E+00	0.00000E+00	
15	0	0	0.00000E+00	0.00000E+00	-1855.9	0.00000E+00	0.00000E+00	0.00000E+00	
16	0	0	0.00000E+00	0.00000E+00	-1765.8	0.00000E+00	0.00000E+00	0.00000E+00	
18	0	0	0.00000E+00	0.00000E+00	-1439.4	0.00000E+00	0.00000E+00	0.00000E+00	
23	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
24	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
25	26	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
31	0	0	0.00000E+00	0.00000E+00	-1536.2	0.00000E+00	0.00000E+00	0.00000E+00	
32	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
33	34	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
37	0	0	0.00000E+00	0.00000E+00	-1468.1	0.00000E+00	0.00000E+00	0.00000E+00	
38	0	0	0.00000E+00	0.00000E+00	-1383.5	0.00000E+00	0.00000E+00	0.00000E+00	
41	0	0	0.00000E+00	0.00000E+00	-1675.1	0.00000E+00	0.00000E+00	0.00000E+00	
42	0	0	0.00000E+00	0.00000E+00	-1687.1	0.00000E+00	0.00000E+00	0.00000E+00	
47	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
48	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
49	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
50	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
55	0	0	0.00000E+00	0.00000E+00	-1563.5	0.00000E+00	0.00000E+00	0.00000E+00	
56	57	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
58	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
61	0	0	0.00000E+00	0.00000E+00	-1425.0	0.00000E+00	0.00000E+00	0.00000E+00	
62	0	0	0.00000E+00	0.00000E+00	-1818.2	0.00000E+00	0.00000E+00	0.00000E+00	
65	0	0	0.00000E+00	0.00000E+00	-1400.7	0.00000E+00	0.00000E+00	0.00000E+00	
66	0	0	0.00000E+00	0.00000E+00	-1542.6	0.00000E+00	0.00000E+00	0.00000E+00	
71	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
72	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
73	74	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
79	0	0	0.00000E+00	0.00000E+00	-1384.4	0.00000E+00	0.00000E+00	0.00000E+00	
80	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
81	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
82	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
84	0	0	0.00000E+00	0.00000E+00	-1093.8	0.00000E+00	0.00000E+00	0.00000E+00	
88	0	0	0.00000E+00	0.00000E+00	-1740.2	0.00000E+00	0.00000E+00	0.00000E+00	
89	90	1	0.00000E+00	0.00000E+00	-1765.8	0.00000E+00	0.00000E+00	0.00000E+00	
95	0	0	0.00000E+00	0.00000E+00	-190.69	0.00000E+00	0.00000E+00	0.00000E+00	
96	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
97	98	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00	
99	0	0	0.00000E+00	0.00000E+00	-3865.6	0.00000E+00	0.00000E+00	0.00000E+00	
100	0	0	0.00000E+00	0.00000E+00	-3387.3	0.00000E+00	0.00000E+00	0.00000E+00	
101	0	0	0.00000E+00	0.00000E+00	-5365.0	0.00000E+00	0.00000E+00	0.00000E+00	
102	0	0	0.00000E+00	0.00000E+00	-40090.	0.00000E+00	0.00000E+00	0.00000E+00	
103	0	0	0.00000E+00	0.00000E+00	-38153.	0.00000E+00	0.00000E+00	0.00000E+00	
104	0	0	0.00000E+00	0.00000E+00	-9362.4	0.00000E+00	0.00000E+00	0.00000E+00	
109	0	0	0.00000E+00	0.00000E+00	-2165.2	0.00000E+00	0.00000E+00	0.00000E+00	
110	0	0	0.00000E+00	0.00000E+00	-26469.	0.00000E+00	0.00000E+00	0.00000E+00	
111	0	0	0.00000E+00	0.00000E+00	-50681.	0.00000E+00	0.00000E+00	0.00000E+00	
112	0	0	0.00000E+00	0.00000E+00	-57150.	0.00000E+00	0.00000E+00	0.00000E+00	
113	0	0	0.00000E+00	0.00000E+00	-3216.5	0.00000E+00	0.00000E+00	0.00000E+00	
114	0	0	0.00000E+00	0.00000E+00	-2289.5	0.00000E+00	0.00000E+00	0.00000E+00	
115	0	0	0.00000E+00	0.00000E+00	-4074.2	0.00000E+00	0.00000E+00	0.00000E+00	
116	0	0	0.00000E+00	0.00000E+00	-4217.5	0.00000E+00	0.00000E+00	0.00000E+00	
120	0	0	0.00000E+00	0.00000E+00	-3644.2	0.00000E+00	0.00000E+00	0.00000E+00	
121	0	0	0.00000E+00	0.00000E+00	-3531.7	0.00000E+00	0.00000E+00	0.00000E+00	
122	0	0	0.00000E+00	0.00000E+00	-2507.4	0.00000E+00	0.00000E+00	0.00000E+00	
123	0	0	0.00000E+00	0.00000E+00	-2647.3	0.00000E+00	0.00000E+00	0.00000E+00	
125	0	0	0.00000E+00	0.00000E+00	-3576.2	0.00000E+00	0.00000E+00	0.00000E+00	
126	0	0	0.00000E+00	0.00000E+00	-3100.0	0.00000E+00	0.00000E+00	0.00000E+00	
127	0	0	0.00000E+00	0.00000E+00	-3576.2	0.00000E+00	0.00000E+00	0.00000E+00	
128	129	1	0.00000E+00	0.00000E+00	-3576.2	0.00000E+00	0.00000E+00	0.00000E+00	
134	0	0	0.00000E+00	0.00000E+00	-3100.0	0.00000E+00	0.00000E+00	0.00000E+00	
135	136	1	0.00000E+00	0.00000E+00	-3100.0	0.00000E+00	0.00000E+00	0.00000E+00	
137	0	0	0.00000E+00	0.00000E+00	-3347.1	0.00000E+00	0.00000E+00	0.00000E+00	





663	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
664	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
665	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
666	0	0	0.00000E+00	0.00000E+00	-377.15	0.00000E+00	0.00000E+00	0.00000E+00
668	0	0	0.00000E+00	0.00000E+00	-377.15	0.00000E+00	0.00000E+00	0.00000E+00
669	0	0	0.00000E+00	0.00000E+00	-377.15	0.00000E+00	0.00000E+00	0.00000E+00
670	0	0	0.00000E+00	0.00000E+00	-377.15	0.00000E+00	0.00000E+00	0.00000E+00
674	0	0	0.00000E+00	0.00000E+00	-890.21	0.00000E+00	0.00000E+00	0.00000E+00
675	0	0	0.00000E+00	0.00000E+00	-1708.3	0.00000E+00	0.00000E+00	0.00000E+00
676	0	0	0.00000E+00	0.00000E+00	-726.02	0.00000E+00	0.00000E+00	0.00000E+00
677	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
678	679	1	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
680	0	0	0.00000E+00	0.00000E+00	-2665.2	0.00000E+00	0.00000E+00	0.00000E+00
681	0	0	0.00000E+00	0.00000E+00	-2665.2	0.00000E+00	0.00000E+00	0.00000E+00
682	0	0	0.00000E+00	0.00000E+00	-2665.2	0.00000E+00	0.00000E+00	0.00000E+00
683	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
684	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
685	0	0	0.00000E+00	0.00000E+00	-1050.1	0.00000E+00	0.00000E+00	0.00000E+00
686	0	0	0.00000E+00	0.00000E+00	-366.79	0.00000E+00	0.00000E+00	0.00000E+00
688	0	0	0.00000E+00	0.00000E+00	-377.15	0.00000E+00	0.00000E+00	0.00000E+00
689	0	0	0.00000E+00	0.00000E+00	-377.15	0.00000E+00	0.00000E+00	0.00000E+00
690	0	0	0.00000E+00	0.00000E+00	-377.15	0.00000E+00	0.00000E+00	0.00000E+00
694	0	0	0.00000E+00	0.00000E+00	-791.16	0.00000E+00	0.00000E+00	0.00000E+00
695	0	0	0.00000E+00	0.00000E+00	-2614.7	0.00000E+00	0.00000E+00	0.00000E+00
696	0	0	0.00000E+00	0.00000E+00	-937.26	0.00000E+00	0.00000E+00	0.00000E+00
697	0	0	0.00000E+00	0.00000E+00	-228.61	0.00000E+00	0.00000E+00	0.00000E+00
699	0	0	0.00000E+00	0.00000E+00	-1142.3	0.00000E+00	0.00000E+00	0.00000E+00
700	0	0	0.00000E+00	0.00000E+00	-2870.9	0.00000E+00	0.00000E+00	0.00000E+00
701	0	0	0.00000E+00	0.00000E+00	-1120.6	0.00000E+00	0.00000E+00	0.00000E+00
702	0	0	0.00000E+00	0.00000E+00	-1211.7	0.00000E+00	0.00000E+00	0.00000E+00
703	0	0	0.00000E+00	0.00000E+00	-1195.5	0.00000E+00	0.00000E+00	0.00000E+00
704	0	0	0.00000E+00	0.00000E+00	-3089.9	0.00000E+00	0.00000E+00	0.00000E+00
705	0	0	0.00000E+00	0.00000E+00	-3042.1	0.00000E+00	0.00000E+00	0.00000E+00
706	0	0	0.00000E+00	0.00000E+00	-1263.4	0.00000E+00	0.00000E+00	0.00000E+00
707	0	0	0.00000E+00	0.00000E+00	-1203.2	0.00000E+00	0.00000E+00	0.00000E+00
708	0	0	0.00000E+00	0.00000E+00	-408.81	0.00000E+00	0.00000E+00	0.00000E+00
710	0	0	0.00000E+00	0.00000E+00	-429.38	0.00000E+00	0.00000E+00	0.00000E+00
711	0	0	0.00000E+00	0.00000E+00	-439.66	0.00000E+00	0.00000E+00	0.00000E+00
714	0	0	0.00000E+00	0.00000E+00	-202.44	0.00000E+00	0.00000E+00	0.00000E+00
715	0	0	0.00000E+00	0.00000E+00	-901.72	0.00000E+00	0.00000E+00	0.00000E+00
717	0	0	0.00000E+00	0.00000E+00	-1.1255	0.00000E+00	0.00000E+00	0.00000E+00
719	0	0	0.00000E+00	0.00000E+00	-150.65	0.00000E+00	0.00000E+00	0.00000E+00
720	0	0	0.00000E+00	0.00000E+00	-2531.7	0.00000E+00	0.00000E+00	0.00000E+00
721	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
722	0	0	0.00000E+00	0.00000E+00	-2236.3	0.00000E+00	0.00000E+00	0.00000E+00
723	0	0	0.00000E+00	0.00000E+00	-539.49	0.00000E+00	0.00000E+00	0.00000E+00
726	0	0	0.00000E+00	0.00000E+00	-129.05	0.00000E+00	0.00000E+00	0.00000E+00
730	0	0	0.00000E+00	0.00000E+00	-0.71751	0.00000E+00	0.00000E+00	0.00000E+00

NUMBER OF LOADED NODES OR ELEMENTS = 337  
LARGEST NODE OR ELEMENT NUMBER = 730

L O A D C A S E 245

MaxMx (Mx) - Point 6 - Positive - Combination

FIRST NODE	CONCENTRATED LOAD		FORCE FX	FORCE FY	FORCE FZ	FORCE MX	FORCE MY	FORCE MZ
	LAST NODE	DIFF RNCE						
6	0	0	0.00000E+00	0.00000E+00	-1688.3	0.00000E+00	0.00000E+00	0.00000E+00
7	0	0	0.00000E+00	0.00000E+00	-1455.4	0.00000E+00	0.00000E+00	0.00000E+00
8	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
9	10	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
14	0	0	0.00000E+00	0.00000E+00	-1000.6	0.00000E+00	0.00000E+00	0.00000E+00
15	0	0	0.00000E+00	0.00000E+00	-1855.9	0.00000E+00	0.00000E+00	0.00000E+00
16	0	0	0.00000E+00	0.00000E+00	-1765.8	0.00000E+00	0.00000E+00	0.00000E+00
18	0	0	0.00000E+00	0.00000E+00	-1439.4	0.00000E+00	0.00000E+00	0.00000E+00
23	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
24	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
25	26	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
31	0	0	0.00000E+00	0.00000E+00	-1536.2	0.00000E+00	0.00000E+00	0.00000E+00
32	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
33	34	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
37	0	0	0.00000E+00	0.00000E+00	-1468.1	0.00000E+00	0.00000E+00	0.00000E+00
38	0	0	0.00000E+00	0.00000E+00	-1383.5	0.00000E+00	0.00000E+00	0.00000E+00
41	0	0	0.00000E+00	0.00000E+00	-1675.1	0.00000E+00	0.00000E+00	0.00000E+00
42	0	0	0.00000E+00	0.00000E+00	-1687.1	0.00000E+00	0.00000E+00	0.00000E+00
47	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
48	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
49	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
50	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
55	0	0	0.00000E+00	0.00000E+00	-1563.5	0.00000E+00	0.00000E+00	0.00000E+00
56	57	1	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
58	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
61	0	0	0.00000E+00	0.00000E+00	-1425.0	0.00000E+00	0.00000E+00	0.00000E+00
62	0	0	0.00000E+00	0.00000E+00	-1818.2	0.00000E+00	0.00000E+00	0.00000E+00
65	0	0	0.00000E+00	0.00000E+00	-1400.7	0.00000E+00	0.00000E+00	0.00000E+00
66	0	0	0.00000E+00	0.00000E+00	-1542.6	0.00000E+00	0.00000E+00	0.00000E+00
71	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00
72	0	0	0.00000E+00	0.00000E+00	-1550.0	0.00000E+00	0.00000E+00	0.00000E+00









E L E M E N T O U T P U T

ELEMENTS WILL BE OUTPUT IN ASCENDING ORDER

FIRST ELT	LAST ELT	DIFF RNCE	OUTPUT CONTROL	AVERAGED NODAL VALUES GROUP	NODAL FORCE OUTPUT GROUP	HISTORY CONTROL	PLOT FILE CONTROL
1	1026	1	0	0	0	0	0
TOTAL NUMBER OF ELEMENT OUTPUT SETS				=	1		
TOTAL NUMBER OF ELEMENTS OUTPUT				=	1026		
LARGEST ELEMENT NUMBER INPUT				=	1026		
LARGEST ELEMENT OUTPUT CONTROL NUMBER				=	0		
DATA STORAGE LOCATIONS USED				=	4		

N O D E O U T P U T

FIRST NODE	LAST NODE	DIFF RNCE	OUTPUT CONTROL	HISTORY CONTROL	
1	1447	1	0	0	
TOTAL NUMBER OF NODE OUTPUT SETS				=	1
TOTAL NUMBER OF NODES OUTPUT				=	0
LARGEST NODE NUMBER INPUT				=	1447
LARGEST NODE OUTPUT CONTROL NUMBER				=	0
LARGEST NODE HISTORY CONTROL NUMBER				=	0
DATA STORAGE LOCATIONS USED				=	0

S U M M A R Y O F D A T A

TOTAL NUMBER OF ELEMENTS	=	1026
TOTAL NUMBER OF CONSTRAINTS	=	51
TOTAL NUMBER OF NODES	=	1447
TOTAL NUMBER OF SUPPORT NODES	=	5
TOTAL NUMBER OF LOADING CASES	=	28
LOCATIONS USED DURING DATA PROCESSING	=	78766373
LOCATIONS AVAILABLE	=	98304000
TIME USED TO PROCESS INPUT DATA	=	1.8180 SEC.
TIME AT CENTRAL PROCESSOR = 11:00:09 ON 14/05/21 (DAY/MTH/YR)		
INITIAL ESTIMATE OF NUMBER OF EDGES IN STRUCTURE	=	2178
INITIAL ESTIMATE OF NUMBER OF FACES IN STRUCTURE	=	576

\*\*\*WARNING\*\*\* THE FAST PARALLEL SOLVER WILL BE USED AS DEFAULT IF CONSTRAINT EQUATIONS ARE PRESENT - EXPLICITLY SPECIFYING THE SOLVER TYPE WILL OVERRIDE (SOLTPY PROCESSOR)

E S T I M A T E O F M O D E L G E O M E T R I C P R O P E R T I E S A N D L O A D I N G

MATERIAL SET	GEOMETRIC SUMMARY			ELEMENT MASS KG	CENTRE OF GRAVITY		
	LENGTH M	AREA sq M	VOLUME cu M		X-COORD M	Y-COORD M	Z-COORD M
2	0.000000E+00	532.425	159.728	399319.	25.2505	5.72500	0.121081E-12
1	183.200	0.000000E+00	15.7406	123564.	25.2855	5.82500	-0.182129
6	27.2001	0.000000E+00	0.912090	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
5	35.1999	0.000000E+00	0.573070	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
7	3.20000	0.000000E+00	4.60800	11520.0	25.2855	5.82500	-2.80000
3	17.0000	0.000000E+00	805.715	0.201429E+07	1.56127	12.2685	-6.63446
4	4.00000	0.000000E+00	40.0000	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
11	0.000000E+00	0.000000E+00	0.000000E+00	0.221253E+07	-1.19156	12.2647	-3.15000
9	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
10	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
8	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
TOTALS FOR STRUCTURE	269.800	532.425	1027.28	0.476122E+07	2.94193	11.5351	-4.28208

MATERIAL SET	MOMENTS OF INERTIA ABOUT GLOBAL DIRECTIONS WITH ORIGIN AT (0,0,0)					
	Ixx KG M **2	Iyy KG M **2	Izz KG M **2	Ixy KG M **2	Iyz KG M **2	Ixz KG M **2
2	0.175153E+08	0.327159E+09	0.344675E+09	-0.592724E+08	-0.705297E-12	-0.220852E-11
1	0.538346E+07	0.100565E+09	0.105904E+09	-0.186078E+08	131089.	569040.

6	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
5	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
7	606600.	0.136999E+08	0.141222E+08	-0.173994E+07	187891.	815609.
3	0.425618E+09	0.109868E+09	0.339453E+09	-0.466740E+08	0.163954E+09	0.159293E+08
4	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
11	0.354769E+09	0.250953E+08	0.335957E+09	0.323343E+08	0.854785E+08	-0.830457E+07
9	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
10	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
8	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
TOTALS FOR STRUCTURE	0.803892E+09	0.576388E+09	0.114011E+10	-0.939598E+08	0.249752E+09	0.900934E+07

MATERIAL SET	MOMENTS OF INERTIA ABOUT GLOBAL DIRECTIONS WITH ORIGINS AT CENTROIDS					
	Ixx KG M **2	Iyy KG M **2	Izz KG M **2	Ixy KG M **2	Iyz KG M **2	Ixz KG M **2
2	0.442734E+07	0.725578E+08	0.769852E+08	-0.154714E+07	0.276803E-06	0.122086E-05
1	0.118676E+07	0.215597E+08	0.227094E+08	-408270.	0.116415E-09	0.221189E-08
6	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
5	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
7	125402.	0.624421E+07	0.636593E+07	-43179.7	0.000000E+00	0.116415E-09
3	0.337762E+08	0.162971E+08	0.313622E+08	-0.809149E+07	2037.23	-0.493513E+07
4	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
11	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
9	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
10	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
8	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
TOTALS FOR STRUCTURE	0.830675E+08	0.447877E+09	0.465380E+09	0.676143E+08	0.145745E+08	-0.509705E+08

MATERIAL SET	PRINCIPAL MOMENTS OF INERTIA ABOUT CENTROIDAL AXES			PRINCIPAL DIRECTIONS
	I11 KG M **2	I22 KG M **2	I33 KG M **2	
2	0.769852E+08	0.725929E+08	0.439223E+07	(0.00, 0.00, 1.00)(-0.02, 1.00, -0.00)(1.00, 0.02, -0.00)
1	0.227094E+08	0.215678E+08	0.117858E+07	(0.00, 0.00, 1.00)(-0.02, 1.00, 0.00)(1.00, 0.02, -0.00)
6	0.000000E+00	0.000000E+00	0.000000E+00	(1.00, 0.00, 0.00)(0.00, 1.00, 0.00)(0.00, 0.00, 1.00)
5	0.000000E+00	0.000000E+00	0.000000E+00	(1.00, 0.00, 0.00)(0.00, 1.00, 0.00)(0.00, 0.00, 1.00)
7	0.636593E+07	0.624452E+07	125098.	(0.00, 0.00, 1.00)(-0.01, 1.00, 0.00)(1.00, 0.01, -0.00)
3	0.395617E+08	0.289317E+08	0.129421E+08	(0.82, -0.29, -0.49)(-0.43, 0.27, -0.86)(0.38, 0.92, 0.10)
4	0.000000E+00	0.000000E+00	0.000000E+00	(1.00, 0.00, 0.00)(0.00, 1.00, 0.00)(0.00, 0.00, 1.00)
11	0.000000E+00	0.000000E+00	0.000000E+00	(1.00, 0.00, 0.00)(0.00, 1.00, 0.00)(0.00, 0.00, 1.00)
9	0.000000E+00	0.000000E+00	0.000000E+00	(1.00, 0.00, 0.00)(0.00, 1.00, 0.00)(0.00, 0.00, 1.00)
10	0.000000E+00	0.000000E+00	0.000000E+00	(1.00, 0.00, 0.00)(0.00, 1.00, 0.00)(0.00, 0.00, 1.00)
8	0.000000E+00	0.000000E+00	0.000000E+00	(1.00, 0.00, 0.00)(0.00, 1.00, 0.00)(0.00, 0.00, 1.00)
TOTALS FOR STRUCTURE	0.474279E+09	0.458038E+09	0.640070E+08	(-0.06, 0.36, 0.93)(0.21, 0.91, -0.34)(0.98, -0.18, 0.13)

FORCE OUTPUT GROUP	RESULTANT APPLIED LOAD AT ORIGIN IN GLOBAL DIRECTIONS					
	Fx N	Fy N	Fz N	Mx N .M	My N .M	Mz N .M
LOAD CASE 218						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.310267E+07	-0.121611E+08	0.514502E+08	0.000000E+00
LOAD CASE 219						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.315267E+07	-0.234745E+08	0.557378E+08	0.000000E+00
LOAD CASE 220						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.326424E+07	-0.163678E+08	0.554077E+08	0.000000E+00
LOAD CASE 221						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.315466E+07	-0.126400E+08	0.103794E+09	0.000000E+00
LOAD CASE 222						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.309717E+07	-0.233469E+08	0.105161E+09	0.000000E+00
LOAD CASE 223						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.326297E+07	-0.137542E+08	0.106643E+09	0.000000E+00
LOAD CASE 224						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.164357E+07	-0.648756E+07	0.218344E+08	0.000000E+00
LOAD CASE 225						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.168107E+07	-0.124138E+08	0.240572E+08	0.000000E+00
LOAD CASE 226						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.172570E+07	-0.894111E+07	0.236451E+08	0.000000E+00
LOAD CASE 227						
TOTALS FOR STRUCTURE	0.000000E+00	0.000000E+00	-0.168186E+07	-0.684100E+07	0.610595E+08	0.000000E+00
LOAD CASE 228						
TOTALS FOR STRUCTURE						

STRUCTURE	0.000000E+00	0.000000E+00	-0.164137E+07	-0.123243E+08	0.611259E+08	0.000000E+00
LOAD CASE	229					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.172519E+07	-0.728668E+07	0.621994E+08	0.000000E+00
LOAD CASE	230					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.183806E+07	-0.169189E+08	0.379223E+08	0.000000E+00
LOAD CASE	231					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.170633E+07	-0.368923E+07	0.308712E+08	0.000000E+00
LOAD CASE	232					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.170803E+07	-0.158727E+08	0.553127E+08	0.000000E+00
LOAD CASE	233					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.185138E+07	-0.415678E+07	0.571951E+08	0.000000E+00
LOAD CASE	234					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-945225.	-0.869956E+07	0.167674E+08	0.000000E+00
LOAD CASE	235					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-840031.	-0.177757E+07	0.126339E+08	0.000000E+00
LOAD CASE	236					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-840712.	-0.785060E+07	0.297893E+08	0.000000E+00
LOAD CASE	237					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-950550.	-0.213521E+07	0.324566E+08	0.000000E+00
LOAD CASE	238					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.260228E+07	-0.217055E+08	0.469922E+08	0.000000E+00
LOAD CASE	239					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.246038E+07	-0.209245E+08	0.850151E+08	0.000000E+00
LOAD CASE	240					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.139091E+07	-0.114822E+08	0.204636E+08	0.000000E+00
LOAD CASE	241					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.129915E+07	-0.109878E+08	0.490616E+08	0.000000E+00
LOAD CASE	242					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.248445E+07	-0.737282E+07	0.402164E+08	0.000000E+00
LOAD CASE	243					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.260610E+07	-0.811066E+07	0.850791E+08	0.000000E+00
LOAD CASE	244					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.130878E+07	-0.393788E+07	0.169303E+08	0.000000E+00
LOAD CASE	245					
TOTALS FOR						
STRUCTURE	0.000000E+00	0.000000E+00	-0.139244E+07	-0.445177E+07	0.502233E+08	0.000000E+00

AVERAGE ASPECT RATIO OF STRUCTURAL ELEMENTS (EXCEPT JOINTS, BARS AND BEAMS) = 1.200  
AVERAGE VALUE OF POISSON'S RATIO (FOR ISOTROPIC MATERIALS ONLY) = 0.2390

TOTAL TIME FOR GLOBAL MATRIX ASSEMBLY = 0.18000E-01 SEC.  
TOTAL NUMBER OF NONZERO ENTRIES IN THE MATRIX = 118388

LOCATIONS USED DURING PRE-SOLUTION PROCESS = 1181028  
LOCATIONS AVAILABLE = 98304000

TOTAL NO. OF STRUCTURAL DEGREES OF FREEDOM = 5907  
TOTAL NO. OF ACTIVE DEGREES OF FREEDOM = 5907  
TOTAL NO. OF EQUATIONS = 5958  
TOTAL NO. OF ACTIVE NODES = 985

NUMBER OF ELEMENT GROUPS = 34  
MAXIMUM NUMBER OF ELEMENTS IN A GROUP = 32

MAXIMUM SIZE OF ELEMENT DATA RECORDS = 279465  
MAXIMUM SIZE OF ELEMENT RESULT RECORDS = 426787  
MAXIMUM SIZE OF ELEMENT SOLUTION RECORDS = 0  
MAXIMUM SIZE OF ELEMENT SHAPE RECORDS = 80846  
TOTAL SIZE OF ELEMENT DATA RECORDS = 5949495  
TOTAL SIZE OF ELEMENT RESULT RECORDS = 11060395  
TOTAL SIZE OF ELEMENT SOLUTION RECORDS = 0  
TOTAL SIZE OF GLOBAL SOLUTION RECORD = 37848

TOTAL SIZE OF GLOBAL MATRIX & RHS RECORDS = 350392  
 TIME FOR PRE-SOLUTION PROCESS = 0.10300 SEC. (ALL ELEMENT STIFFNESS MATRICES)  
 TIME AT CENTRAL PROCESSOR = 11:00:09 ON 14/05/21 (DAY/MTH/YR)

SOLUTION BY FRONTAL SPARSE MATRIX TECHNIQUE

=====

= Parallel multifrontal solver statistics =  
 =====

Solving symmetric indefinite matrix  
 Minimum degree equation re-ordering algorithm used  
 Number of nonzeros in L and U = 389982  
 Number of iterative refinement steps = 4  
 Number of positive eigenvalues = 5877  
 Number of negative eigenvalues = 51  
 Peak memory used during analysis and symbolic factorisation (MB) = 4.69  
 Total peak memory used during solve (MB) = 10.91  
 In-memory/out-of-memory solution executed

FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 1 = 0.11638E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 2 = 0.12052E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 3 = 0.12763E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 4 = 0.12587E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 5 = 0.11509E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 6 = 0.77962E-27  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 7 = 0.99865E-27  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 8 = 0.10343E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 9 = 0.10160E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 10 = 0.99073E-27  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 11 = 0.10404E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 12 = 0.14926E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 13 = 0.16251E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 14 = 0.83352E-27  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 15 = 0.85870E-27  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 16 = 0.15163E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 17 = 0.21569E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 18 = 0.87061E-27  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 19 = 0.11760E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 20 = 0.66680E-27  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 21 = 0.18583E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 22 = 0.17411E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 23 = 0.10634E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 24 = 0.56822E-27  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 25 = 0.18420E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 26 = 0.86092E-27  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 27 = 0.11214E-26  
 FINAL RELATIVE ERROR CONSTANT FOR SOLUTION 28 = 0.10213E-26

TOTAL ELAPSED TIME USED SOLVING EQUATIONS = 0 HRS 0 MINS 0 SECS

LOCATIONS USED DURING POST-SOLUTION PROCESS = 1487424  
 LOCATIONS AVAILABLE = 98304000

ACTUAL TOTAL NO. EDGES IN STRUCTURE = 1565  
 ACTUAL TOTAL NO. FACES IN STRUCTURE = 576  
 TIME FOR POST-SOLUTION PROCESS = 2.7700 SEC.

TOTAL CPU TIME USED FOR SOLUTION = 4.7440 SEC.  
 TOTAL ELAPSED TIME USED FOR SOLUTION = 0 HRS 0 MINS 4 SECS

TIME AT CENTRAL PROCESSOR = 11:00:11 ON 14/05/21 (DAY/MTH/YR)

I/O STATISTICS OF MAIN DIRECT ACCESS DISK UNITS

Disk Unit Name	Disk Page Size (Bytes)	Calls to I/O Routines	Buffered Transfers	Disk Accesses	Page Table Swaps	Peak File Size (Mbytes)
PROBLEM	16384	719	8238	6470	0	90.37500
FRONTAL	16384	0	0	0	0	0.1562500E-01
SHAPES	16384	46	74	38	0	0.2343750
PLOT	16384	28829	34519	5191	0	89.84375
RESTART	0	0	0	0	0	0.0000000E+00

\*\*\*LUSAS RUN SUCCESSFULLY COMPLETED\*\*\*