

Solução do Problema BNL2 - Solver HiGHS

Análise Computacional

17 de setembro de 2025

1 Informações do Problema

Informações do Problema:

- Nome: BNL2
- Número de Variáveis: 3489
- Número de Restrições: 2324
- Inviabilidade Primal: 0.000e+00
- Inviabilidade Dual: 1.116e-14
- Valor Primal: 1.811e+03
- Valor Dual: 1.811e+03
- Gap: 3.118e-19
- Número de Iterações: 32

2 Variáveis Primais e Custos Reduzidos

Tabela 1: Variáveis primais e custos reduzidos do problema BNL2

Coordenada x	Valor x	Coordenada z	Valor z
1	41.933333	1	0.000000
2	41.933333	2	0.000000
3	33.066667	3	0.000000
4	33.066667	4	0.000000
5	125.000000	5	0.000000
6	-0.000000	6	0.000000
7	-0.000000	7	0.000000
8	125.000000	8	0.000000
9	0.000000	9	0.222900
10	0.000000	10	0.799547
11	125.000000	11	0.000000
12	125.000000	12	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
13	94.511699	13	0.000000
14	-0.000000	14	0.000000
15	-0.000000	15	0.000000
16	94.511699	16	0.000000
17	0.000000	17	0.440000
18	0.000000	18	2.351100
19	94.511699	19	0.000000
20	94.511699	20	0.000000
21	70.000000	21	0.000000
22	-0.000000	22	0.000000
23	-0.000000	23	0.000000
24	70.000000	24	0.000000
25	0.000000	25	0.440000
26	0.000000	26	48.040000
27	70.000000	27	0.000000
28	70.000000	28	0.000000
29	-0.000000	29	0.000000
30	-0.000000	30	0.000000
31	0.000000	31	0.001133
32	64.812901	32	0.000000
33	64.812901	33	0.000000
34	0.000000	34	0.016000
35	64.812901	35	0.000000
36	-0.000000	36	0.000000
37	-0.000000	37	0.000000
38	64.812901	38	0.000000
39	0.000000	39	0.016000
40	0.000000	40	0.044000
41	124.013032	41	0.000000
42	109.200000	42	0.000000
43	0.000000	43	0.000000
44	0.000000	44	0.000000
45	9.317260	45	0.000000
46	3.634381	46	0.000000
47	0.360528	47	0.000000
48	0.000000	48	0.000000
49	0.000000	49	4.655748
50	0.000000	50	1.170000
51	-0.000000	51	0.000000
52	0.000000	52	7.638011
53	0.000000	53	0.000000
54	0.000000	54	2.625768
55	0.000000	55	0.000000
56	0.000000	56	0.000000
57	0.000000	57	0.219953
58	5.101246	58	0.000000
59	0.000000	59	0.000000
60	0.081847	60	0.000000
61	0.000000	61	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
62	0.000000	62	4.655748
63	-0.000000	63	0.000000
64	0.000000	64	-0.000000
65	0.000000	65	7.638011
66	-0.000000	66	0.000000
67	0.000000	67	2.625768
68	0.139928	68	0.000000
69	0.000000	69	-0.000000
70	0.000000	70	0.219953
71	0.482653	71	0.000000
72	0.687380	72	0.000000
73	0.000000	73	0.000000
74	0.673412	74	0.000000
75	0.000000	75	0.000000
76	0.000000	76	4.655748
77	0.000000	77	1.410000
78	0.000000	78	-0.000000
79	0.000000	79	7.638011
80	-0.000000	80	0.000000
81	0.000000	81	2.625768
82	0.000000	82	0.000000
83	0.000000	83	0.000000
84	0.000000	84	0.219953
85	3.474861	85	0.000000
86	0.000000	86	0.000000
87	0.070649	87	0.000000
88	0.162531	88	0.000000
89	0.000000	89	4.655748
90	0.000000	90	1.300000
91	0.000000	91	-0.000000
92	0.000000	92	7.638011
93	-0.000000	93	0.000000
94	0.000000	94	2.625768
95	0.000000	95	0.000000
96	0.136364	96	0.000000
97	0.000000	97	0.219953
98	0.133539	98	0.000000
99	0.501982	99	0.000000
100	0.000000	100	0.000000
101	0.000000	101	0.000000
102	0.000000	102	4.655748
103	0.000000	103	6.911825
104	2.604167	104	0.000000
105	0.000000	105	7.638011
106	2.083333	106	0.000000
107	0.000000	107	2.625768
108	0.000000	108	0.000000
109	0.000000	109	0.000000
110	0.000000	110	0.219953

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Coordenada x	Valor x	Coordenada z	Valor z
111	-0.000000	111	0.000000
112	0.000000	112	1.474014
113	0.000000	113	56.694707
114	-0.000000	114	0.000000
115	0.110565	115	0.000000
116	43.788011	116	0.000000
117	2.260425	117	0.000000
118	0.000000	118	0.697335
119	0.000000	119	0.071316
120	13.000000	120	0.000000
121	9.363636	121	0.000000
122	0.000000	122	0.000000
123	0.000000	123	0.000000
124	0.000000	124	0.000000
125	0.000000	125	0.697335
126	0.000000	126	0.071316
127	0.000000	127	0.000000
128	17.136364	128	0.000000
129	46.500000	129	0.000000
130	19.412738	130	0.000000
131	21.639575	131	0.000000
132	50.195578	132	0.000000
133	18.454545	133	0.000000
134	0.000000	134	0.065510
135	0.000000	135	0.433510
136	0.000000	136	0.049510
137	0.000000	137	0.333023
138	26.666667	138	0.000000
139	0.000000	139	0.371467
140	0.000000	140	0.027633
141	0.000000	141	0.066077
142	95.608000	142	0.000000
143	53.674667	143	0.000000
144	75.392000	144	0.000000
145	42.325333	145	0.000000
146	200.000000	146	0.000000
147	50.000000	147	0.000000
148	-0.000000	148	0.000000
149	75.000000	149	0.000000
150	50.000000	150	0.000000
151	0.000000	151	0.332647
152	250.000000	152	0.000000
153	125.000000	153	0.000000
154	187.033202	154	0.000000
155	-0.000000	155	0.000000
156	-0.000000	156	0.000000
157	92.521503	157	0.000000
158	0.000000	158	0.376100
159	0.000000	159	1.519900

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Coordenada x	Valor x	Coordenada z	Valor z
160	187.033202	160	0.000000
161	92.521503	161	0.000000
162	158.900000	162	0.000000
163	-0.000000	163	0.000000
164	-0.000000	164	0.000000
165	88.900000	165	0.000000
166	0.000000	166	0.376100
167	0.000000	167	29.246900
168	158.900000	168	0.000000
169	88.900000	169	0.000000
170	-0.000000	170	0.000000
171	-0.000000	171	0.000000
172	28.448590	172	0.000000
173	-0.000000	173	0.000000
174	0.000000	174	0.003047
175	0.000000	175	0.000034
176	163.913072	176	0.000000
177	99.100171	177	0.000000
178	0.000000	178	0.012100
179	163.913072	179	0.000000
180	-0.000000	180	0.000000
181	-0.000000	181	0.000000
182	99.100171	182	0.000000
183	0.000000	183	0.007300
184	0.000000	184	0.033400
185	231.778259	185	0.000000
186	122.786514	186	0.000000
187	0.000000	187	0.000000
188	0.000000	188	0.000000
189	10.631375	189	0.000000
190	4.545455	190	0.000000
191	0.233738	191	0.000000
192	0.000000	192	0.000000
193	0.000000	193	8.559345
194	0.000000	194	0.709600
195	-0.000000	195	0.000000
196	0.000000	196	7.929699
197	0.000000	197	0.000000
198	0.000000	198	1.080570
199	0.000000	199	-0.000000
200	0.000000	200	0.000000
201	0.000000	201	0.000000
202	3.557718	202	0.000000
203	0.000000	203	-0.000000
204	0.053138	204	0.000000
205	0.000000	205	0.000000
206	0.000000	206	8.559345
207	0.100000	207	0.000000
208	0.448877	208	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
209	0.000000	209	7.929699
210	0.359102	210	0.000000
211	0.000000	211	1.080570
212	0.212739	212	0.000000
213	0.000000	213	0.000000
214	0.000000	214	0.000000
215	0.687961	215	0.000000
216	0.000000	216	0.153131
217	0.000000	217	0.140009
218	0.819001	218	0.000000
219	0.000000	219	0.175011
220	0.000000	220	8.711021
221	0.000000	221	0.988544
222	0.000000	222	0.273352
223	0.000000	223	8.082830
224	-0.000000	224	0.000000
225	0.000000	225	1.255581
226	0.000000	226	0.153131
227	0.000000	227	0.140009
228	0.000000	228	0.175011
229	7.572811	229	0.000000
230	0.000000	230	-0.000000
231	0.158895	231	0.000000
232	0.252826	232	0.000000
233	0.000000	233	8.559345
234	0.000000	234	0.788400
235	-0.000000	235	0.000000
236	0.000000	236	7.929699
237	0.000000	237	-0.000000
238	0.000000	238	1.080570
239	0.000000	239	-0.000000
240	0.000000	240	0.000000
241	0.000000	241	0.000000
242	0.000000	242	-0.000000
243	0.000000	243	-0.000000
244	0.016403	244	0.000000
245	0.000000	245	-0.000000
246	0.000000	246	8.559345
247	0.000000	247	9.466828
248	3.017789	248	0.000000
249	0.000000	249	7.929699
250	2.414231	250	0.000000
251	0.000000	251	1.080570
252	0.000000	252	-0.000000
253	0.318182	253	0.000000
254	-0.000000	254	0.000000
255	0.000000	255	0.086067
256	0.000000	256	1.535206
257	0.000000	257	30.131992

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Coordenada x	Valor x	Coordenada z	Valor z
258	0.000000	258	0.460618
259	0.171990	259	0.000000
260	58.229316	260	0.000000
261	0.000000	261	0.178608
262	0.000000	262	0.377653
263	0.000000	263	0.069295
264	9.181818	264	0.000000
265	0.000000	265	-0.000000
266	0.000000	266	0.000000
267	0.000000	267	-0.000000
268	0.000000	268	0.178608
269	0.000000	269	0.377653
270	0.000000	270	0.069295
271	9.818182	271	0.000000
272	26.500000	272	0.000000
273	44.500000	273	0.000000
274	14.459477	274	0.000000
275	24.303355	275	0.000000
276	52.414966	276	0.000000
277	20.090909	277	0.000000
278	-0.000000	278	0.000000
279	0.000000	279	0.215833
280	-0.000000	280	0.000000
281	0.000000	281	0.006192
282	32.916667	282	0.000000
283	0.000000	283	0.000000
284	0.000000	284	0.006192
285	6.446645	285	0.000000
286	1.456547	286	0.000000
287	-0.000000	287	0.000000
288	0.100000	288	0.000000
289	-0.000000	289	0.000000
290	0.640000	290	0.000000
291	-0.000000	291	0.000000
292	-0.000000	292	0.000000
293	1.400000	293	0.000000
294	-0.000000	294	0.000000
295	-0.000000	295	0.000000
296	0.450000	296	0.000000
297	-0.000000	297	0.000000
298	-0.000000	298	0.000000
299	0.150000	299	0.000000
300	-0.000000	300	0.000000
301	10.309436	301	0.000000
302	-0.000000	302	0.000000
303	-0.000000	303	0.000000
304	-0.000000	304	0.000000
305	-0.000000	305	0.000000
306	-0.000000	306	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
307	-0.000000	307	0.000000
308	-0.000000	308	0.000000
309	-0.000000	309	0.000000
310	-0.000000	310	0.000000
311	-0.000000	311	0.000000
312	-0.000000	312	0.000000
313	164.311573	313	0.000000
314	68.703573	314	0.000000
315	129.568427	315	0.000000
316	54.176427	316	0.000000
317	200.000000	317	0.000000
318	175.000000	318	0.000000
319	-0.000000	319	0.000000
320	0.000000	320	0.097100
321	125.000000	321	0.000000
322	0.000000	322	0.184647
323	375.000000	323	0.000000
324	125.000000	324	0.000000
325	284.910159	325	0.000000
326	-0.000000	326	0.000000
327	-0.000000	327	0.000000
328	97.876957	328	0.000000
329	0.000000	329	0.290600
330	0.000000	330	0.969100
331	284.910159	331	0.000000
332	97.876957	332	0.000000
333	249.880554	333	0.000000
334	-0.000000	334	0.000000
335	-0.000000	335	0.000000
336	90.980554	336	0.000000
337	0.000000	337	0.290600
338	0.000000	338	17.801700
339	249.880554	339	0.000000
340	90.980554	340	0.000000
341	6.063830	341	0.000000
342	6.063830	342	0.000000
343	59.085532	343	0.000000
344	0.000000	344	0.002762
345	-0.000000	345	0.000000
346	0.000000	346	0.002713
347	0.000000	347	0.000101
348	14.688248	348	0.000000
349	321.941922	349	0.000000
350	150.277320	350	0.000000
351	7.751530	351	0.000000
352	321.941922	352	0.000000
353	-0.000000	353	0.000000
354	-0.000000	354	0.000000
355	158.028850	355	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
356	0.000000	356	0.003000
357	0.000000	357	0.024300
358	354.176267	358	0.000000
359	183.362583	359	0.000000
360	0.000000	360	0.000000
361	26.365748	361	0.000000
362	7.303601	362	0.000000
363	0.000000	363	-0.000000
364	0.000000	364	1.692734
365	0.000000	365	0.000000
366	0.000000	366	1.289527
367	0.000000	367	0.430500
368	4.185708	368	0.000000
369	0.000000	369	-0.000000
370	3.348567	370	0.000000
371	0.000000	371	0.668797
372	0.322523	372	0.000000
373	0.000000	373	0.000000
374	0.000000	374	0.000000
375	3.102688	375	0.000000
376	0.454411	376	0.000000
377	0.000000	377	1.692734
378	0.000000	378	0.000000
379	0.000000	379	1.289527
380	0.225000	380	0.000000
381	0.000000	381	-0.000000
382	0.000000	382	-0.000000
383	-0.000000	383	0.000000
384	0.000000	384	0.668797
385	0.000000	385	0.000000
386	0.000000	386	0.000000
387	0.062305	387	0.000000
388	0.000000	388	0.557735
389	0.000000	389	0.557735
390	0.000000	390	2.250468
391	0.000000	391	0.557735
392	0.000000	392	1.847262
393	0.000000	393	0.881535
394	0.000000	394	1.003923
395	0.000000	395	0.557735
396	-0.000000	396	0.000000
397	0.000000	397	1.226532
398	0.000000	398	0.557735
399	0.000000	399	0.557735
400	0.000000	400	0.557735
401	0.601966	401	0.000000
402	0.000000	402	0.000000
403	1.492238	403	0.000000
404	0.000000	404	1.692734

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Coordenada x	Valor x	Coordenada z	Valor z
405	0.000000	405	0.000000
406	0.000000	406	1.289527
407	0.000000	407	0.518800
408	0.000000	408	0.000000
409	0.000000	409	-0.000000
410	-0.000000	410	0.000000
411	0.000000	411	0.668797
412	0.000000	412	0.000000
413	0.000000	413	0.000000
414	0.000000	414	0.000000
415	10.337524	415	0.000000
416	2.267968	416	0.000000
417	0.000000	417	1.692734
418	0.000000	418	0.000000
419	0.000000	419	1.289527
420	0.000000	420	0.478300
421	-0.000000	421	0.000000
422	0.034275	422	0.000000
423	0.000000	423	0.000000
424	0.000000	424	0.668797
425	0.000000	425	0.000000
426	0.000000	426	0.000000
427	0.000000	427	0.000000
428	0.000000	428	-0.000000
429	0.000000	429	-0.000000
430	0.000000	430	1.692734
431	0.000000	431	0.000000
432	0.000000	432	1.289527
433	0.000000	433	0.459900
434	0.225494	434	0.000000
435	0.000000	435	-0.000000
436	0.180396	436	0.000000
437	0.000000	437	0.668797
438	0.000000	438	0.000000
439	0.000000	439	0.000000
440	0.037695	440	0.000000
441	4.405565	441	0.000000
442	0.785383	442	0.000000
443	0.000000	443	1.692734
444	0.264259	444	0.000000
445	0.000000	445	1.289527
446	0.000000	446	1.885686
447	-0.000000	447	0.000000
448	0.000000	448	-0.000000
449	0.000000	449	-0.000000
450	0.000000	450	0.668797
451	0.000000	451	-0.000000
452	0.772727	452	0.000000
453	0.000000	453	-0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
454	0.000000	454	-0.000000
455	0.000000	455	-0.000000
456	0.000000	456	1.692734
457	0.000000	457	0.000000
458	0.000000	458	1.289527
459	0.000000	459	0.294400
460	0.246436	460	0.000000
461	0.000000	461	-0.000000
462	0.197149	462	0.000000
463	0.000000	463	0.668797
464	0.000000	464	0.000000
465	0.000000	465	0.000000
466	0.000000	466	0.000000
467	0.088717	467	0.000000
468	0.000000	468	-0.000000
469	1.696567	469	0.000000
470	0.000000	470	0.187317
471	0.000000	471	1.107440
472	0.000000	472	21.246506
473	0.000000	473	0.436563
474	0.179768	474	0.000000
475	0.000000	475	0.839525
476	0.000000	476	1.088250
477	0.000000	477	0.745091
478	61.711647	478	0.000000
479	0.000000	479	0.099302
480	0.000000	480	0.216534
481	0.000000	481	0.049128
482	0.767404	482	0.000000
483	26.500000	483	0.000000
484	0.000000	484	-0.000000
485	0.000000	485	0.839525
486	0.000000	486	1.088250
487	0.000000	487	0.745091
488	0.000000	488	-0.000000
489	0.000000	489	0.099302
490	0.000000	490	0.216534
491	0.000000	491	0.049128
492	27.232596	492	0.000000
493	0.000000	493	-0.000000
494	41.720000	494	0.000000
495	0.000000	495	1.040644
496	0.000000	496	1.289369
497	0.000000	497	0.946209
498	4.664484	498	0.000000
499	0.000000	499	0.413619
500	0.000000	500	0.323234
501	0.000000	501	0.155828
502	0.000000	502	0.106700

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Coordenada x	Valor x	Coordenada z	Valor z
503	0.000000	503	0.106700
504	0.000000	504	0.092000
505	0.000000	505	0.094434
506	0.000000	506	0.343160
507	0.133099	507	0.000000
508	13.350026	508	0.000000
509	19.500000	509	0.000000
510	54.168084	510	0.000000
511	21.909091	511	0.000000
512	-0.000000	512	0.000000
513	0.000000	513	0.117953
514	0.100000	514	0.000000
515	0.000000	515	0.370995
516	0.000000	516	0.619720
517	0.000000	517	0.276560
518	0.000000	518	0.362731
519	0.000000	519	0.362731
520	0.000000	520	0.359031
521	0.000000	521	0.359031
522	0.000000	522	0.362731
523	0.000000	523	0.476983
524	0.000000	524	0.359031
525	0.000000	525	0.000000
526	40.625000	526	0.000000
527	0.000000	527	-0.000000
528	4.028876	528	0.000000
529	20.000000	529	0.000000
530	0.000000	530	5.611935
531	0.000000	531	5.611935
532	0.000000	532	8.222549
533	0.000000	533	1.807847
534	0.000000	534	2.340888
535	0.000000	535	1.663881
536	0.000000	536	1.496476
537	0.000000	537	1.572447
538	0.000000	538	1.447347
539	0.000000	539	1.270747
540	-0.000000	540	0.000000
541	-0.000000	541	0.000000
542	-0.000000	542	0.000000
543	-0.000000	543	0.000000
544	-0.000000	544	0.000000
545	-0.000000	545	0.000000
546	-0.000000	546	0.000000
547	1.574186	547	0.000000
548	-0.000000	548	0.000000
549	0.150000	549	0.000000
550	0.456000	550	0.000000
551	0.150000	551	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
552	0.030000	552	0.000000
553	0.018994	553	0.000000
554	-0.000000	554	0.000000
555	8.999558	555	0.000000
556	1.140000	556	0.000000
557	-0.000000	557	0.000000
558	0.589481	558	0.000000
559	-0.000000	559	0.000000
560	-0.000000	560	0.000000
561	-0.000000	561	0.000000
562	-0.000000	562	0.000000
563	4.139290	563	0.000000
564	0.358251	564	0.000000
565	0.295773	565	0.000000
566	-0.000000	566	0.000000
567	1.456547	567	0.000000
568	-0.000000	568	0.000000
569	0.100000	569	0.000000
570	-0.000000	570	0.000000
571	0.640000	571	0.000000
572	0.000000	572	0.000000
573	-0.000000	573	0.000000
574	1.400000	574	0.000000
575	-0.000000	575	0.000000
576	-0.000000	576	0.000000
577	0.450000	577	0.000000
578	-0.000000	578	0.000000
579	-0.000000	579	0.000000
580	0.150000	580	0.000000
581	-0.000000	581	0.000000
582	10.309436	582	0.000000
583	-0.000000	583	0.000000
584	-0.000000	584	0.000000
585	-0.000000	585	0.000000
586	-0.000000	586	0.000000
587	-0.000000	587	0.000000
588	-0.000000	588	0.000000
589	-0.000000	589	0.000000
590	-0.000000	590	0.000000
591	-0.000000	591	0.000000
592	-0.000000	592	0.000000
593	-0.000000	593	0.000000
594	252.252147	594	0.000000
595	87.940574	595	0.000000
596	198.914253	596	0.000000
597	69.345826	597	0.000000
598	200.000000	598	0.000000
599	300.000000	599	0.000000
600	-0.000000	600	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
601	0.000000	601	0.097100
602	125.000000	602	0.000000
603	0.000000	603	0.057047
604	500.000000	604	0.000000
605	125.000000	605	0.000000
606	392.574811	606	0.000000
607	-0.000000	607	0.000000
608	-0.000000	608	0.000000
609	107.664652	609	0.000000
610	0.000000	610	0.098200
611	0.000000	611	0.494400
612	392.574811	612	0.000000
613	107.664652	613	0.000000
614	315.088420	614	0.000000
615	-0.000000	615	0.000000
616	-0.000000	616	0.000000
617	65.207866	617	0.000000
618	0.000000	618	0.098200
619	0.000000	619	10.719200
620	315.088420	620	0.000000
621	65.207866	621	0.000000
622	17.100000	622	0.000000
623	11.036170	623	0.000000
624	70.453144	624	0.000000
625	23.081137	625	0.000000
626	0.000000	626	0.002460
627	0.000000	627	0.002460
628	0.000000	628	0.000000
629	-0.000000	629	0.000000
630	0.000000	630	0.000685
631	0.000000	631	0.000076
632	29.843331	632	0.000000
633	0.000000	633	0.004770
634	579.781866	634	0.000000
635	240.483043	635	0.000000
636	17.356902	636	0.000000
637	579.781866	637	0.000000
638	-0.000000	638	0.000000
639	-0.000000	639	0.000000
640	257.839945	640	0.000000
641	0.000000	641	0.000900
642	0.000000	642	0.017200
643	568.126021	643	0.000000
644	292.012003	644	0.000000
645	0.000000	645	-0.000000
646	59.037081	646	0.000000
647	6.877288	647	0.000000
648	10.207666	648	0.000000
649	2.232078	649	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
650	0.000000	650	1.095658
651	0.000000	651	0.000000
652	0.000000	652	0.840234
653	0.000000	653	0.296700
654	-0.000000	654	0.000000
655	0.000000	655	-0.000000
656	0.000000	656	-0.000000
657	0.000000	657	0.431189
658	0.000000	658	0.000000
659	0.000000	659	0.000000
660	0.000000	660	0.000000
661	0.000000	661	0.000000
662	0.000000	662	-0.000000
663	0.000000	663	1.095658
664	0.026796	664	0.000000
665	0.000000	665	0.840234
666	0.000000	666	0.314600
667	0.238922	667	0.000000
668	0.000000	668	-0.000000
669	0.191137	669	0.000000
670	0.000000	670	0.431189
671	0.000000	671	-0.000000
672	0.000000	672	0.000000
673	0.000000	673	-0.000000
674	1.670797	674	0.000000
675	0.586436	675	0.000000
676	0.000000	676	1.095658
677	0.000000	677	0.000000
678	0.000000	678	0.840234
679	0.350000	679	0.000000
680	0.000000	680	0.000000
681	0.000000	681	-0.000000
682	-0.000000	682	0.000000
683	0.000000	683	0.431189
684	0.000000	684	0.000000
685	0.000000	685	-0.000000
686	0.350000	686	0.000000
687	0.000000	687	0.440643
688	0.000000	688	0.440643
689	0.000000	689	1.536302
690	0.000000	690	0.440643
691	0.000000	691	1.280877
692	0.000000	692	0.722043
693	0.000000	693	0.766971
694	0.000000	694	0.440643
695	0.000000	695	0.032734
696	0.000000	696	0.871832
697	0.000000	697	0.440643
698	0.000000	698	0.440643

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Coordenada x	Valor x	Coordenada z	Valor z
699	0.000000	699	0.440643
700	0.559778	700	0.000000
701	0.000000	701	0.000000
702	1.216078	702	0.000000
703	0.000000	703	1.095658
704	0.000000	704	0.000000
705	0.000000	705	0.840234
706	0.000000	706	0.350300
707	0.000000	707	0.000000
708	0.000000	708	0.000000
709	-0.000000	709	0.000000
710	0.000000	710	0.431189
711	0.000000	711	0.000000
712	0.000000	712	0.000000
713	0.000000	713	0.000000
714	9.959698	714	0.000000
715	1.167614	715	0.000000
716	0.000000	716	1.095658
717	0.000000	717	0.000000
718	0.000000	718	0.840234
719	0.000000	719	0.347800
720	4.373054	720	0.000000
721	0.076748	721	0.000000
722	3.498443	722	0.000000
723	0.000000	723	0.431189
724	0.516083	724	0.000000
725	0.000000	725	0.000000
726	0.000000	726	0.000000
727	0.000000	727	0.034611
728	0.000000	728	0.000000
729	0.000000	729	1.095658
730	0.443585	730	0.000000
731	0.000000	731	0.840234
732	0.000000	732	0.323500
733	0.000000	733	0.000000
734	0.000000	734	-0.000000
735	-0.000000	735	0.000000
736	0.000000	736	0.431189
737	0.000000	737	0.000000
738	0.000000	738	0.000000
739	0.000000	739	-0.000000
740	0.000000	740	0.000000
741	0.000000	741	-0.000000
742	0.000000	742	1.095658
743	0.000000	743	-0.000000
744	0.000000	744	0.840234
745	0.000000	745	0.377500
746	0.616090	746	0.000000
747	0.000000	747	-0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
748	0.492872	748	0.000000
749	0.000000	749	0.431189
750	0.000000	750	-0.000000
751	0.000000	751	-0.000000
752	0.000000	752	-0.000000
753	5.519285	753	0.000000
754	0.343248	754	0.000000
755	0.000000	755	1.095658
756	0.000000	756	0.000000
757	0.000000	757	0.840234
758	0.000000	758	1.235981
759	0.000000	759	0.000000
760	0.000000	760	-0.000000
761	-0.000000	761	0.000000
762	0.000000	762	0.431189
763	0.000000	763	0.000000
764	0.863636	764	0.000000
765	0.000000	765	0.000000
766	0.000000	766	0.000000
767	0.000000	767	-0.000000
768	0.000000	768	1.095658
769	0.000000	769	-0.000000
770	0.000000	770	0.840234
771	0.000000	771	0.214200
772	0.308045	772	0.000000
773	0.000000	773	-0.000000
774	0.246436	774	0.000000
775	0.000000	775	0.431189
776	0.000000	776	-0.000000
777	0.000000	777	-0.000000
778	0.000000	778	-0.000000
779	0.975887	779	0.000000
780	0.000000	780	-0.000000
781	1.932559	781	0.000000
782	0.000000	782	0.076282
783	0.000000	783	0.622969
784	0.000000	784	12.828977
785	0.000000	785	0.221331
786	0.319987	786	0.000000
787	0.000000	787	0.734492
788	0.000000	788	1.017472
789	0.000000	789	0.684286
790	0.000000	790	-0.000000
791	0.000000	791	0.102284
792	0.000000	792	0.169162
793	0.000000	793	0.062203
794	30.420000	794	0.000000
795	25.186957	795	0.000000
796	42.270000	796	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
797	0.000000	797	0.734492
798	0.000000	798	1.017472
799	0.000000	799	0.684286
800	42.459807	800	0.000000
801	0.000000	801	0.102284
802	0.000000	802	0.169162
803	0.000000	803	0.062203
804	0.000000	804	0.000000
805	5.813043	805	0.000000
806	0.000000	806	-0.000000
807	0.000000	807	0.813233
808	0.000000	808	0.784113
809	0.000000	809	0.450928
810	8.489362	810	0.000000
811	0.000000	811	0.275745
812	0.000000	812	0.212962
813	0.000000	813	0.106003
814	0.000000	814	0.044700
815	0.000000	815	0.043800
816	0.000000	816	0.033000
817	0.000000	817	0.208338
818	0.000000	818	0.491318
819	0.000000	819	0.158133
820	10.710259	820	0.000000
821	18.550000	821	0.000000
822	56.865079	822	0.000000
823	23.545455	823	0.000000
824	0.100000	824	0.000000
825	0.000000	825	0.047630
826	0.350000	826	0.000000
827	0.000000	827	0.050205
828	0.000000	828	0.333185
829	0.173029	829	0.000000
830	0.000000	830	0.072050
831	0.000000	831	0.072050
832	0.000000	832	0.069850
833	0.000000	833	0.069850
834	0.000000	834	0.072050
835	0.000000	835	0.117480
836	0.000000	836	0.069850
837	0.000000	837	0.000000
838	43.750000	838	0.000000
839	0.000000	839	0.000000
840	35.000000	840	0.000000
841	25.000000	841	0.000000
842	0.000000	842	2.857391
843	0.000000	843	2.857391
844	0.000000	844	4.579976
845	0.000000	845	0.905621

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Coordenada x	Valor x	Coordenada z	Valor z
846	0.000000	846	1.254337
847	0.000000	847	0.821783
848	0.000000	848	0.714824
849	0.000000	849	0.730921
850	0.000000	850	0.652621
851	0.000000	851	0.532921
852	-0.000000	852	0.000000
853	0.154487	853	0.000000
854	-0.000000	854	0.000000
855	-0.000000	855	0.000000
856	0.106978	856	0.000000
857	-0.000000	857	0.000000
858	-0.000000	858	0.000000
859	2.350802	859	0.000000
860	0.150000	860	0.000000
861	0.225000	861	0.000000
862	0.468480	862	0.000000
863	0.037500	863	0.000000
864	0.300000	864	0.000000
865	0.342415	865	0.000000
866	-0.000000	866	0.000000
867	3.553282	867	0.000000
868	0.934800	868	0.000000
869	-0.000000	869	0.000000
870	0.677903	870	0.000000
871	-0.000000	871	0.000000
872	-0.000000	872	0.000000
873	-0.000000	873	0.000000
874	-0.000000	874	0.000000
875	17.947925	875	0.000000
876	0.232863	876	0.000000
877	0.088732	877	0.000000
878	-0.000000	878	0.000000
879	0.000000	879	5.483853
880	-0.000000	880	0.000000
881	0.000000	881	4.800752
882	-0.000000	882	0.000000
883	0.000000	883	2.348892
884	0.000000	884	5.908100
885	-0.000000	885	0.000000
886	1.574186	886	0.000000
887	-0.000000	887	0.000000
888	0.150000	888	0.000000
889	0.456000	889	0.000000
890	0.150000	890	0.000000
891	0.030000	891	0.000000
892	0.018994	892	0.000000
893	-0.000000	893	0.000000
894	8.999558	894	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
895	1.140000	895	0.000000
896	-0.000000	896	0.000000
897	0.589481	897	0.000000
898	-0.000000	898	0.000000
899	-0.000000	899	0.000000
900	-0.000000	900	0.000000
901	-0.000000	901	0.000000
902	4.139290	902	0.000000
903	0.358251	903	0.000000
904	0.295773	904	0.000000
905	-0.000000	905	0.000000
906	1.456547	906	0.000000
907	-0.000000	907	0.000000
908	0.100000	908	0.000000
909	-0.000000	909	0.000000
910	0.640000	910	0.000000
911	0.000000	911	0.000000
912	-0.000000	912	0.000000
913	1.400000	913	0.000000
914	-0.000000	914	0.000000
915	-0.000000	915	0.000000
916	0.450000	916	0.000000
917	-0.000000	917	0.000000
918	-0.000000	918	0.000000
919	0.150000	919	0.000000
920	-0.000000	920	0.000000
921	10.309436	921	0.000000
922	-0.000000	922	0.000000
923	-0.000000	923	0.000000
924	-0.000000	924	0.000000
925	-0.000000	925	0.000000
926	-0.000000	926	0.000000
927	-0.000000	927	0.000000
928	-0.000000	928	0.000000
929	0.000000	929	0.098600
930	-0.000000	930	0.000000
931	-0.000000	931	0.000000
932	-0.000000	932	0.000000
933	364.816082	933	0.000000
934	112.563935	934	0.000000
935	286.045229	935	0.000000
936	87.130976	936	0.000000
937	200.000000	937	0.000000
938	400.000000	938	0.000000
939	-0.000000	939	0.000000
940	0.000000	940	0.097100
941	100.000000	941	0.000000
942	0.000000	942	0.004047
943	600.000000	943	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
944	100.000000	944	0.000000
945	400.000000	945	0.000000
946	100.239463	946	0.000000
947	-0.000000	947	0.000000
948	7.425189	948	0.000000
949	100.239463	949	0.000000
950	0.000000	950	0.225000
951	500.239463	951	0.000000
952	107.664652	952	0.000000
953	315.088420	953	0.000000
954	60.297802	954	0.000000
955	-0.000000	955	0.000000
956	0.000000	956	0.000000
957	60.297802	957	0.000000
958	0.000000	958	6.442000
959	375.386222	959	0.000000
960	60.297802	960	0.000000
961	37.185830	961	0.000000
962	20.085830	962	0.000000
963	83.142595	963	0.000000
964	82.994550	964	0.000000
965	0.000000	965	0.000621
966	0.000000	966	0.000621
967	22.626055	967	0.000000
968	0.000000	968	0.000000
969	0.000000	969	0.000979
970	0.000000	970	0.000022
971	74.608327	971	0.000000
972	0.000000	972	0.000896
973	1009.407351	973	0.000000
974	386.233230	974	0.000000
975	43.392255	975	0.000000
976	632.875046	976	0.000000
977	376.532305	977	0.000000
978	-0.000000	978	0.000000
979	53.093180	979	0.000000
980	376.532305	980	0.000000
981	0.000000	981	0.011900
982	924.726685	982	0.000000
983	456.128605	983	0.000000
984	0.000000	984	0.000000
985	147.592702	985	0.000000
986	17.193220	986	0.000000
987	0.000000	987	0.000896
988	9.696052	988	0.000000
989	0.000000	989	-0.000000
990	0.000000	990	0.729791
991	0.000000	991	-0.000000
992	0.000000	992	0.276781

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Coordenada x	Valor x	Coordenada z	Valor z
993	0.000000	993	0.082068
994	2.143692	994	0.000000
995	0.000000	995	-0.000000
996	0.000000	996	-0.000000
997	0.000000	997	-0.000000
998	0.000000	998	-0.000000
999	0.000000	999	-0.000000
1000	0.600000	1000	0.000000
1001	0.000000	1001	0.000000
1002	0.000000	1002	-0.000000
1003	0.000000	1003	0.729791
1004	0.000000	1004	-0.000000
1005	0.000000	1005	0.276781
1006	0.000000	1006	0.092868
1007	0.425146	1007	0.000000
1008	0.000000	1008	0.000000
1009	0.000000	1009	0.000000
1010	0.305823	1010	0.000000
1011	0.000000	1011	0.000000
1012	0.000000	1012	0.000000
1013	0.000000	1013	0.000000
1014	0.000000	1014	0.152126
1015	0.000000	1015	0.130577
1016	0.000000	1016	0.630452
1017	0.000000	1017	0.188056
1018	0.000000	1018	0.426517
1019	0.525000	1019	0.000000
1020	0.000000	1020	0.270077
1021	0.000000	1021	0.152126
1022	-0.000000	1022	0.000000
1023	0.000000	1023	0.188056
1024	0.000000	1024	0.152126
1025	0.000000	1025	0.130577
1026	0.000000	1026	0.188056
1027	0.000000	1027	0.581826
1028	0.000000	1028	0.560277
1029	0.000000	1029	1.060152
1030	0.000000	1030	0.617756
1031	0.000000	1031	0.856217
1032	0.000000	1032	0.659100
1033	-0.000000	1033	0.000000
1034	0.000000	1034	0.581826
1035	0.000000	1035	1.304421
1036	0.000000	1036	0.617756
1037	0.000000	1037	0.581826
1038	0.000000	1038	0.560277
1039	0.000000	1039	0.617756
1040	0.527596	1040	0.000000
1041	0.000000	1041	0.248985

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Coordenada x	Valor x	Coordenada z	Valor z
1042	0.000000	1042	0.227436
1043	0.000000	1043	0.727311
1044	0.000000	1044	0.284915
1045	0.000000	1045	0.523376
1046	0.000000	1046	0.331059
1047	0.000000	1047	0.444423
1048	0.000000	1048	0.248985
1049	-0.000000	1049	0.000000
1050	0.000000	1050	0.284915
1051	0.000000	1051	0.248985
1052	0.000000	1052	0.227436
1053	0.000000	1053	0.284915
1054	16.278927	1054	0.000000
1055	4.633466	1055	0.000000
1056	0.000000	1056	0.729791
1057	0.000000	1057	-0.000000
1058	0.000000	1058	0.276781
1059	0.000000	1059	0.127968
1060	4.685703	1060	0.000000
1061	0.191871	1061	0.000000
1062	3.748562	1062	0.000000
1063	0.000000	1063	-0.000000
1064	0.828513	1064	0.000000
1065	0.000000	1065	0.000000
1066	0.000000	1066	-0.000000
1067	0.000000	1067	0.025613
1068	0.000000	1068	-0.000000
1069	0.000000	1069	0.729791
1070	0.000000	1070	-0.000000
1071	0.000000	1071	0.276781
1072	0.000000	1072	0.098368
1073	1.031992	1073	0.000000
1074	0.000000	1074	0.000000
1075	0.000000	1075	0.000000
1076	0.742349	1076	0.000000
1077	0.000000	1077	0.000000
1078	0.000000	1078	0.000000
1079	0.000000	1079	0.000000
1080	0.000000	1080	0.000000
1081	0.980941	1081	0.000000
1082	0.000000	1082	0.729791
1083	0.677349	1083	0.000000
1084	0.000000	1084	0.276781
1085	0.000000	1085	0.177868
1086	0.788456	1086	0.000000
1087	0.000000	1087	0.000000
1088	0.000000	1088	0.000000
1089	0.325660	1089	0.000000
1090	0.000000	1090	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1091	0.000000	1091	0.000000
1092	0.000000	1092	0.000000
1093	2.936568	1093	0.000000
1094	0.000000	1094	-0.000000
1095	0.000000	1095	0.729791
1096	0.000000	1096	-0.000000
1097	0.000000	1097	0.276781
1098	0.000000	1098	0.370046
1099	1.881156	1099	0.000000
1100	0.000000	1100	-0.000000
1101	1.491993	1101	0.000000
1102	0.000000	1102	-0.000000
1103	0.000000	1103	-0.000000
1104	0.954545	1104	0.000000
1105	0.000000	1105	0.000000
1106	0.000000	1106	0.000000
1107	0.000000	1107	-0.000000
1108	0.000000	1108	0.729791
1109	0.000000	1109	-0.000000
1110	0.000000	1110	0.276781
1111	0.000000	1111	0.032068
1112	0.403122	1112	0.000000
1113	0.000000	1113	0.000000
1114	0.000000	1114	0.000000
1115	0.289980	1115	0.000000
1116	0.000000	1116	0.000000
1117	0.000000	1117	0.000000
1118	0.000000	1118	0.000000
1119	2.802739	1119	0.000000
1120	0.612866	1120	0.000000
1121	2.201692	1121	0.000000
1122	0.000000	1122	0.012397
1123	0.000000	1123	0.333680
1124	0.000000	1124	7.926520
1125	0.000000	1125	0.094904
1126	0.460782	1126	0.000000
1127	0.000000	1127	0.654395
1128	0.000000	1128	0.748918
1129	0.000000	1129	0.554987
1130	0.000000	1130	0.000000
1131	0.000000	1131	0.085999
1132	0.000000	1132	0.127385
1133	0.000000	1133	0.057592
1134	33.260000	1134	0.000000
1135	22.046957	1135	0.000000
1136	42.570000	1136	0.000000
1137	0.000000	1137	0.654395
1138	0.000000	1138	0.748918
1139	0.000000	1139	0.554987

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Coordenada x	Valor x	Coordenada z	Valor z
1140	36.778789	1140	0.000000
1141	0.000000	1141	0.085999
1142	0.000000	1142	0.127385
1143	0.000000	1143	0.057592
1144	0.000000	1144	0.000000
1145	14.203043	1145	0.000000
1146	0.000000	1146	0.000000
1147	0.000000	1147	0.487545
1148	0.000000	1148	0.771369
1149	0.000000	1149	0.577438
1150	15.450638	1150	0.000000
1151	0.000000	1151	0.180380
1152	0.000000	1152	0.140385
1153	0.000000	1153	0.070592
1154	0.000000	1154	0.013600
1155	0.000000	1155	0.013000
1156	0.000000	1156	0.008100
1157	0.000000	1157	0.288801
1158	0.000000	1158	0.383324
1159	0.000000	1159	0.189393
1160	14.310921	1160	0.000000
1161	15.550000	1161	0.000000
1162	38.409645	1162	0.000000
1163	22.338525	1163	0.000000
1164	0.300000	1164	0.000000
1165	0.000000	1165	0.014831
1166	0.000000	1166	0.000100
1167	0.000000	1167	0.099408
1168	0.000000	1168	0.193931
1169	0.224938	1169	0.000000
1170	0.000000	1170	0.001300
1171	0.000000	1171	0.001300
1172	11.163279	1172	0.000000
1173	0.000000	1173	0.000000
1174	0.000000	1174	0.001300
1175	0.000000	1175	0.014731
1176	0.600000	1176	0.000000
1177	0.000000	1177	-0.000000
1178	47.291667	1178	0.000000
1179	0.000000	1179	-0.000000
1180	46.250000	1180	0.000000
1181	32.500000	1181	0.000000
1182	0.000000	1182	1.697926
1183	0.000000	1183	1.676377
1184	0.000000	1184	2.133519
1185	0.000000	1185	0.484066
1186	0.000000	1186	0.718600
1187	0.000000	1187	0.436351
1188	0.000000	1188	0.366559

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Coordenada x	Valor x	Coordenada z	Valor z
1189	0.000000	1189	0.357366
1190	0.000000	1190	0.308966
1191	0.000000	1191	0.227866
1192	0.920000	1192	0.000000
1193	0.092692	1193	0.000000
1194	-0.000000	1194	0.000000
1195	-0.000000	1195	0.000000
1196	0.131411	1196	0.000000
1197	-0.000000	1197	0.000000
1198	-0.000000	1198	0.000000
1199	3.743744	1199	0.000000
1200	0.450000	1200	0.000000
1201	0.562500	1201	0.000000
1202	0.481958	1202	0.000000
1203	0.046875	1203	0.000000
1204	0.825000	1204	0.000000
1205	0.463820	1205	0.000000
1206	-0.000000	1206	0.000000
1207	6.919787	1207	0.000000
1208	1.701336	1208	0.000000
1209	-0.000000	1209	0.000000
1210	1.457491	1210	0.000000
1211	-0.000000	1211	0.000000
1212	-0.000000	1212	0.000000
1213	-0.000000	1213	0.000000
1214	-0.000000	1214	0.000000
1215	15.461050	1215	0.000000
1216	0.384224	1216	0.000000
1217	0.115352	1217	0.000000
1218	-0.000000	1218	0.000000
1219	0.000000	1219	0.286528
1220	0.154487	1220	0.000000
1221	0.000000	1221	1.240332
1222	-0.000000	1222	0.000000
1223	0.106978	1223	0.000000
1224	0.000000	1224	1.692700
1225	-0.000000	1225	0.000000
1226	2.350802	1226	0.000000
1227	0.150000	1227	0.000000
1228	0.225000	1228	0.000000
1229	0.468480	1229	0.000000
1230	0.037500	1230	0.000000
1231	0.300000	1231	0.000000
1232	0.342415	1232	0.000000
1233	-0.000000	1233	0.000000
1234	3.553282	1234	0.000000
1235	0.934800	1235	0.000000
1236	-0.000000	1236	0.000000
1237	0.677903	1237	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1238	-0.000000	1238	0.000000
1239	-0.000000	1239	0.000000
1240	-0.000000	1240	0.000000
1241	-0.000000	1241	0.000000
1242	17.947925	1242	0.000000
1243	0.232863	1243	0.000000
1244	0.088732	1244	0.000000
1245	-0.000000	1245	0.000000
1246	-0.000000	1246	0.000000
1247	-0.000000	1247	0.000000
1248	-0.000000	1248	0.000000
1249	-0.000000	1249	0.000000
1250	-0.000000	1250	0.000000
1251	-0.000000	1251	0.000000
1252	-0.000000	1252	0.000000
1253	1.574186	1253	0.000000
1254	-0.000000	1254	0.000000
1255	0.150000	1255	0.000000
1256	0.456000	1256	0.000000
1257	0.150000	1257	0.000000
1258	0.030000	1258	0.000000
1259	0.018994	1259	0.000000
1260	-0.000000	1260	0.000000
1261	8.999558	1261	0.000000
1262	1.140000	1262	0.000000
1263	-0.000000	1263	0.000000
1264	0.589481	1264	0.000000
1265	-0.000000	1265	0.000000
1266	-0.000000	1266	0.000000
1267	-0.000000	1267	0.000000
1268	-0.000000	1268	0.000000
1269	4.139290	1269	0.000000
1270	0.358251	1270	0.000000
1271	0.295773	1271	0.000000
1272	-0.000000	1272	0.000000
1273	1.456547	1273	0.000000
1274	-0.000000	1274	0.000000
1275	0.100000	1275	0.000000
1276	-0.000000	1276	0.000000
1277	0.640000	1277	0.000000
1278	0.000000	1278	0.000000
1279	-0.000000	1279	0.000000
1280	1.400000	1280	0.000000
1281	-0.000000	1281	0.000000
1282	-0.000000	1282	0.000000
1283	0.450000	1283	0.000000
1284	-0.000000	1284	0.000000
1285	-0.000000	1285	0.000000
1286	0.150000	1286	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1287	-0.000000	1287	0.000000
1288	10.309436	1288	0.000000
1289	-0.000000	1289	0.000000
1290	-0.000000	1290	0.000000
1291	-0.000000	1291	0.000000
1292	-0.000000	1292	0.000000
1293	-0.000000	1293	0.000000
1294	-0.000000	1294	0.000000
1295	-0.000000	1295	0.000000
1296	-0.000000	1296	0.000000
1297	-0.000000	1297	0.000000
1298	-0.000000	1298	0.000000
1299	-0.000000	1299	0.000000
1300	508.897918	1300	0.000000
1301	144.081836	1301	0.000000
1302	386.535656	1302	0.000000
1303	100.490427	1303	0.000000
1304	200.000000	1304	0.000000
1305	400.000000	1305	0.000000
1306	82.708841	1306	0.000000
1307	0.000000	1307	0.124853
1308	0.000000	1308	0.027753
1309	82.708841	1309	0.000000
1310	682.708841	1310	0.000000
1311	82.708841	1311	0.000000
1312	400.000000	1312	0.000000
1313	207.904115	1313	0.000000
1314	-0.000000	1314	0.000000
1315	0.000000	1315	0.000000
1316	107.664652	1316	0.000000
1317	0.000000	1317	0.078500
1318	607.904115	1318	0.000000
1319	107.664652	1319	0.000000
1320	315.088420	1320	0.000000
1321	78.147305	1321	0.000000
1322	-0.000000	1322	0.000000
1323	0.000000	1323	0.000000
1324	17.849503	1324	0.000000
1325	0.000000	1325	3.864500
1326	393.235725	1326	0.000000
1327	17.849503	1327	0.000000
1328	73.742040	1328	0.000000
1329	36.556210	1329	0.000000
1330	0.000000	1330	0.000000
1331	309.352144	1331	0.000000
1332	-0.000000	1332	0.000000
1333	22.626055	1333	0.000000
1334	-0.000000	1334	0.000000
1335	0.000000	1335	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1336	0.000000	1336	0.000406
1337	0.000000	1337	0.000029
1338	186.520819	1338	0.000000
1339	0.000000	1339	0.001537
1340	1594.611913	1340	0.000000
1341	519.638738	1341	0.000000
1342	65.565824	1342	0.000000
1343	1218.079608	1343	0.000000
1344	376.532305	1344	0.000000
1345	-0.000000	1345	0.000000
1346	585.204562	1346	0.000000
1347	0.000000	1347	0.000400
1348	0.000000	1348	0.008500
1349	1518.352100	1349	0.000000
1350	326.297941	1350	0.000000
1351	0.000000	1351	0.000000
1352	223.013006	1352	0.000000
1353	42.983050	1353	0.000000
1354	0.000000	1354	0.001537
1355	10.985560	1355	0.000000
1356	0.000000	1356	0.000000
1357	0.000000	1357	0.450103
1358	0.000000	1358	0.000000
1359	0.000000	1359	0.165329
1360	0.000000	1360	0.041484
1361	1.483756	1361	0.000000
1362	0.000000	1362	0.000000
1363	0.000000	1363	0.000000
1364	0.000000	1364	0.000000
1365	0.000000	1365	0.000000
1366	0.000000	1366	0.000000
1367	0.000000	1367	0.000000
1368	0.000000	1368	-0.000000
1369	0.000000	1369	0.000000
1370	0.000000	1370	0.450103
1371	0.000000	1371	0.000000
1372	0.000000	1372	0.165329
1373	0.000000	1373	0.047984
1374	0.680233	1374	0.000000
1375	0.000000	1375	0.000000
1376	0.000000	1376	0.000000
1377	0.489316	1377	0.000000
1378	0.000000	1378	0.000000
1379	0.000000	1379	0.000000
1380	0.000000	1380	0.000000
1381	0.000000	1381	0.105203
1382	0.000000	1382	0.097784
1383	0.000000	1383	0.468728
1384	0.000000	1384	0.117574

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Coordenada x	Valor x	Coordenada z	Valor z
1385	0.000000	1385	0.269710
1386	0.700000	1386	0.000000
1387	0.000000	1387	0.188075
1388	0.000000	1388	0.105203
1389	-0.000000	1389	0.000000
1390	0.000000	1390	0.117574
1391	0.000000	1391	0.105203
1392	0.000000	1392	0.097784
1393	0.000000	1393	0.117574
1394	0.000000	1394	0.395064
1395	0.000000	1395	0.381804
1396	0.000000	1396	0.690428
1397	0.000000	1397	0.417174
1398	0.000000	1398	0.558923
1399	0.000000	1399	0.460853
1400	0.000000	1400	0.375069
1401	0.000000	1401	0.395064
1402	0.000000	1402	0.417174
1403	0.000000	1403	0.417174
1404	0.000000	1404	0.395064
1405	0.000000	1405	0.381804
1406	0.000000	1406	0.417174
1407	0.441600	1407	0.000000
1408	0.000000	1408	0.153512
1409	0.000000	1409	0.140252
1410	0.000000	1410	0.448876
1411	0.000000	1411	0.175621
1412	0.000000	1412	0.317371
1413	0.000000	1413	0.194701
1414	0.000000	1414	0.274014
1415	0.000000	1415	0.153512
1416	-0.000000	1416	0.000000
1417	0.000000	1417	0.175621
1418	0.000000	1418	0.153512
1419	0.000000	1419	0.140252
1420	0.000000	1420	0.175621
1421	16.034794	1421	0.000000
1422	5.070493	1422	0.000000
1423	0.000000	1423	0.450103
1424	0.000000	1424	0.000000
1425	0.000000	1425	0.165329
1426	0.000000	1426	0.079284
1427	13.085086	1427	0.000000
1428	0.289917	1428	0.000000
1429	6.246667	1429	0.000000
1430	3.239715	1430	0.000000
1431	1.106790	1431	0.000000
1432	1.045455	1432	0.000000
1433	0.950000	1433	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1434	0.000000	1434	0.025613
1435	0.000000	1435	0.000000
1436	0.000000	1436	0.450103
1437	0.000000	1437	0.000000
1438	0.000000	1438	0.165329
1439	0.000000	1439	0.051284
1440	4.127967	1440	0.000000
1441	0.000000	1441	0.000000
1442	0.000000	1442	0.000000
1443	2.969394	1443	0.000000
1444	0.000000	1444	0.000000
1445	0.000000	1445	-0.000000
1446	0.000000	1446	-0.000000
1447	0.000000	1447	-0.000000
1448	0.000000	1448	0.000000
1449	0.000000	1449	0.450103
1450	0.975383	1450	0.000000
1451	0.000000	1451	0.165329
1452	0.000000	1452	0.134284
1453	4.031218	1453	0.000000
1454	0.000000	1454	0.000000
1455	0.000000	1455	0.000000
1456	1.924416	1456	0.000000
1457	0.000000	1457	-0.000000
1458	0.000000	1458	-0.000000
1459	0.000000	1459	-0.000000
1460	0.000000	1460	-0.000000
1461	0.000000	1461	0.000000
1462	0.000000	1462	0.450103
1463	0.000000	1463	0.000000
1464	0.000000	1464	0.165329
1465	0.000000	1465	0.219097
1466	4.563043	1466	0.000000
1467	0.000000	1467	0.000000
1468	0.000000	1468	0.000000
1469	3.282360	1469	0.000000
1470	0.000000	1470	0.000000
1471	0.000000	1471	-0.000000
1472	0.000000	1472	0.000000
1473	0.000000	1473	-0.000000
1474	0.000000	1474	0.000000
1475	0.000000	1475	0.450103
1476	0.000000	1476	0.000000
1477	0.000000	1477	0.165329
1478	0.000000	1478	0.011184
1479	0.503902	1479	0.000000
1480	0.000000	1480	0.000000
1481	0.000000	1481	-0.000000
1482	0.362475	1482	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1483	0.000000	1483	0.000000
1484	0.000000	1484	-0.000000
1485	0.000000	1485	-0.000000
1486	8.408217	1486	0.000000
1487	1.838598	1487	0.000000
1488	2.502671	1488	0.000000
1489	0.000000	1489	0.003231
1490	0.000000	1490	0.196841
1491	0.000000	1491	4.810000
1492	0.000000	1492	0.052645
1493	0.663526	1493	0.000000
1494	0.000000	1494	0.661528
1495	0.000000	1495	1.010204
1496	0.000000	1496	4.729420
1497	0.000000	1497	0.080400
1498	0.000000	1498	0.700269
1499	0.056754	1499	0.000000
1500	0.000000	1500	1.187369
1501	0.000000	1501	0.661528
1502	0.000000	1502	0.080400
1503	0.000000	1503	0.080400
1504	0.000000	1504	0.661528
1505	0.000000	1505	1.010204
1506	0.000000	1506	0.080400
1507	0.000000	1507	0.407009
1508	0.000000	1508	0.450052
1509	0.000000	1509	0.363941
1510	16.711275	1510	0.000000
1511	0.000000	1511	0.062250
1512	0.000000	1512	0.091377
1513	0.000000	1513	0.048430
1514	36.390000	1514	0.000000
1515	13.199838	1515	0.000000
1516	31.575843	1516	0.000000
1517	0.000000	1517	0.407009
1518	0.000000	1518	0.450052
1519	0.000000	1519	0.363941
1520	0.000000	1520	-0.000000
1521	0.000000	1521	0.062250
1522	0.000000	1522	0.091377
1523	0.000000	1523	0.048430
1524	0.000000	1524	0.000000
1525	0.000000	1525	-0.000000
1526	12.264157	1526	0.000000
1527	0.000000	1527	0.291859
1528	0.000000	1528	0.334901
1529	0.000000	1529	0.364590
1530	0.000000	1530	0.000900
1531	0.000000	1531	0.113061

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Coordenada x	Valor x	Coordenada z	Valor z
1532	0.000000	1532	0.091377
1533	0.000000	1533	0.048430
1534	0.000000	1534	0.000000
1535	28.120162	1535	0.000000
1536	0.000000	1536	0.000000
1537	0.000000	1537	0.157903
1538	0.000000	1538	0.200946
1539	0.000000	1539	0.114835
1540	56.916145	1540	0.000000
1541	17.500000	1541	0.000000
1542	0.323711	1542	0.000000
1543	0.000000	1543	-0.000000
1544	0.450000	1544	0.000000
1545	0.000000	1545	0.000000
1546	0.000000	1546	0.000000
1547	0.000000	1547	0.043068
1548	0.000000	1548	0.086111
1549	0.292419	1549	0.000000
1550	0.000000	1550	0.000800
1551	0.000000	1551	0.000800
1552	18.948091	1552	0.000000
1553	4.967861	1553	0.000000
1554	0.000000	1554	0.000800
1555	0.850000	1555	0.000000
1556	0.950000	1556	0.000000
1557	0.000000	1557	0.000000
1558	51.041667	1558	0.000000
1559	0.000000	1559	-0.000000
1560	60.300000	1560	0.000000
1561	35.500000	1561	0.000000
1562	0.000000	1562	1.034175
1563	0.000000	1563	1.026756
1564	0.000000	1564	1.157594
1565	0.000000	1565	0.290641
1566	0.000000	1566	0.435800
1567	0.000000	1567	0.262118
1568	0.000000	1568	0.219172
1569	0.000000	1569	0.200341
1570	0.000000	1570	0.170741
1571	0.000000	1571	0.115741
1572	0.920000	1572	0.000000
1573	0.148308	1573	0.000000
1574	0.006980	1574	0.000000
1575	-0.000000	1575	0.000000
1576	-0.000000	1576	0.000000
1577	-0.000000	1577	0.000000
1578	-0.000000	1578	0.000000
1579	5.847803	1579	0.000000
1580	1.800000	1580	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1581	1.406250	1581	0.000000
1582	0.496515	1582	0.000000
1583	0.058594	1583	0.000000
1584	2.310000	1584	0.000000
1585	0.625101	1585	0.000000
1586	0.030000	1586	0.000000
1587	0.229000	1587	0.000000
1588	3.096432	1588	0.000000
1589	-0.000000	1589	0.000000
1590	3.133606	1590	0.000000
1591	-0.000000	1591	0.000000
1592	-0.000000	1592	0.000000
1593	-0.000000	1593	0.000000
1594	-0.000000	1594	0.000000
1595	14.457536	1595	0.000000
1596	0.633969	1596	0.000000
1597	0.149957	1597	0.000000
1598	-0.000000	1598	0.000000
1599	0.920000	1599	0.000000
1600	0.092692	1600	0.000000
1601	0.000000	1601	0.274500
1602	-0.000000	1602	0.000000
1603	0.131411	1603	0.000000
1604	0.000000	1604	0.294100
1605	-0.000000	1605	0.000000
1606	3.743744	1606	0.000000
1607	0.450000	1607	0.000000
1608	0.562500	1608	0.000000
1609	0.481958	1609	0.000000
1610	0.046875	1610	0.000000
1611	0.825000	1611	0.000000
1612	0.463820	1612	0.000000
1613	-0.000000	1613	0.000000
1614	6.919787	1614	0.000000
1615	1.701336	1615	0.000000
1616	-0.000000	1616	0.000000
1617	1.457491	1617	0.000000
1618	-0.000000	1618	0.000000
1619	-0.000000	1619	0.000000
1620	-0.000000	1620	0.000000
1621	-0.000000	1621	0.000000
1622	15.461050	1622	0.000000
1623	0.384224	1623	0.000000
1624	0.115352	1624	0.000000
1625	-0.000000	1625	0.000000
1626	-0.000000	1626	0.000000
1627	0.154487	1627	0.000000
1628	-0.000000	1628	0.000000
1629	-0.000000	1629	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1630	0.106978	1630	0.000000
1631	-0.000000	1631	0.000000
1632	-0.000000	1632	0.000000
1633	2.350802	1633	0.000000
1634	0.150000	1634	0.000000
1635	0.225000	1635	0.000000
1636	0.468480	1636	0.000000
1637	0.037500	1637	0.000000
1638	0.300000	1638	0.000000
1639	0.342415	1639	0.000000
1640	-0.000000	1640	0.000000
1641	3.553282	1641	0.000000
1642	0.934800	1642	0.000000
1643	-0.000000	1643	0.000000
1644	0.677903	1644	0.000000
1645	-0.000000	1645	0.000000
1646	-0.000000	1646	0.000000
1647	-0.000000	1647	0.000000
1648	-0.000000	1648	0.000000
1649	17.947925	1649	0.000000
1650	0.232863	1650	0.000000
1651	0.088732	1651	0.000000
1652	0.000000	1652	1.019100
1653	-0.000000	1653	0.000000
1654	-0.000000	1654	0.000000
1655	-0.000000	1655	0.000000
1656	-0.000000	1656	0.000000
1657	-0.000000	1657	0.000000
1658	-0.000000	1658	0.000000
1659	-0.000000	1659	0.000000
1660	1.574186	1660	0.000000
1661	-0.000000	1661	0.000000
1662	0.150000	1662	0.000000
1663	0.456000	1663	0.000000
1664	0.150000	1664	0.000000
1665	0.030000	1665	0.000000
1666	0.018994	1666	0.000000
1667	-0.000000	1667	0.000000
1668	8.999558	1668	0.000000
1669	1.140000	1669	0.000000
1670	-0.000000	1670	0.000000
1671	0.589481	1671	0.000000
1672	-0.000000	1672	0.000000
1673	-0.000000	1673	0.000000
1674	-0.000000	1674	0.000000
1675	-0.000000	1675	0.000000
1676	4.139290	1676	0.000000
1677	0.358251	1677	0.000000
1678	0.295773	1678	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1679	0.000000	1679	3.556900
1680	1.456547	1680	0.000000
1681	0.000000	1681	15.630500
1682	0.100000	1682	0.000000
1683	0.000000	1683	0.000000
1684	0.640000	1684	0.000000
1685	0.000000	1685	0.000000
1686	0.000000	1686	0.000000
1687	1.400000	1687	0.000000
1688	0.000000	1688	0.000000
1689	0.000000	1689	0.000000
1690	0.450000	1690	0.000000
1691	0.000000	1691	0.000000
1692	0.000000	1692	0.000000
1693	0.150000	1693	0.000000
1694	0.000000	1694	0.000000
1695	10.309436	1695	0.000000
1696	0.000000	1696	0.000000
1697	0.000000	1697	0.000000
1698	0.000000	1698	2.772500
1699	0.000000	1699	0.000000
1700	0.000000	1700	3.325500
1701	0.000000	1701	0.000000
1702	0.000000	1702	0.000000
1703	-0.000000	1703	0.000000
1704	0.000000	1704	0.000000
1705	0.000000	1705	0.000000
1706	0.000000	1706	0.000000
1707	693.322668	1707	0.000000
1708	184.424750	1708	0.000000
1709	479.538852	1709	0.000000
1710	93.003195	1710	0.000000
1711	200.000000	1711	0.000000
1712	400.000000	1712	0.000000
1713	162.811858	1713	0.000000
1714	0.000000	1714	0.140453
1715	0.000000	1715	0.043353
1716	80.103017	1716	0.000000
1717	762.811858	1717	0.000000
1718	80.103017	1718	0.000000
1719	400.000000	1719	0.000000
1720	300.000000	1720	0.000000
1721	5.878949	1721	0.000000
1722	0.000000	1722	0.000000
1723	92.095885	1723	0.000000
1724	5.878949	1724	0.000000
1725	705.878949	1725	0.000000
1726	97.974833	1726	0.000000
1727	315.088420	1727	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1728	100.816174	1728	0.000000
1729	-0.000000	1729	0.000000
1730	0.000000	1730	0.000000
1731	22.668869	1731	0.000000
1732	0.000000	1732	2.311700
1733	415.904594	1733	0.000000
1734	22.668869	1734	0.000000
1735	94.337308	1735	0.000000
1736	20.595268	1736	0.000000
1737	356.046445	1737	0.000000
1738	330.807658	1738	0.000000
1739	0.000000	1739	0.001256
1740	0.000000	1740	0.001256
1741	-0.000000	1741	0.000000
1742	0.000000	1742	0.000000
1743	0.000000	1743	0.000279
1744	0.000000	1744	0.000029
1745	190.897404	1745	0.000000
1746	0.000000	1746	0.000558
1747	2076.532305	1747	0.000000
1748	425.796555	1748	0.000000
1749	56.123837	1749	0.000000
1750	1700.000000	1750	0.000000
1751	376.532305	1751	0.000000
1752	-0.000000	1752	0.000000
1753	481.920392	1753	0.000000
1754	0.000000	1754	0.000500
1755	0.000000	1755	0.005900
1756	1499.283646	1756	0.000000
1757	0.000000	1757	0.000542
1758	0.000000	1758	0.000000
1759	190.897404	1759	0.000000
1760	107.457625	1760	0.000000
1761	0.000000	1761	0.000558
1762	0.000000	1762	0.000000
1763	0.000000	1763	-0.000000
1764	0.000000	1764	0.227308
1765	0.000000	1765	0.000000
1766	0.000000	1766	0.058907
1767	0.000000	1767	0.018400
1768	7.235203	1768	0.000000
1769	0.000000	1769	0.000000
1770	0.000000	1770	0.000000
1771	4.996236	1771	0.000000
1772	0.000000	1772	-0.000000
1773	0.000000	1773	-0.000000
1774	0.000000	1774	0.000000
1775	0.000000	1775	0.004213
1776	0.000000	1776	0.001419

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Coordenada x	Valor x	Coordenada z	Valor z
1777	0.000000	1777	0.198919
1778	0.000000	1778	0.008871
1779	0.000000	1779	0.062810
1780	0.000000	1780	0.022400
1781	1.088373	1781	0.000000
1782	0.000000	1782	0.004213
1783	0.000000	1783	0.008871
1784	0.000000	1784	0.008871
1785	0.000000	1785	0.004213
1786	0.000000	1786	0.001419
1787	0.000000	1787	0.008871
1788	0.000000	1788	0.099026
1789	0.000000	1789	0.091384
1790	0.000000	1790	0.237154
1791	0.000000	1791	0.111769
1792	0.000000	1792	0.157086
1793	0.000000	1793	0.023803
1794	0.000000	1794	0.176917
1795	0.000000	1795	0.099026
1796	-0.000000	1796	0.000000
1797	0.000000	1797	0.111769
1798	0.000000	1798	0.099026
1799	0.000000	1799	0.091384
1800	0.000000	1800	0.111769
1801	0.000000	1801	0.962871
1802	0.000000	1802	1.364336
1803	0.000000	1803	5.875114
1804	0.000000	1804	0.293469
1805	0.000000	1805	1.066288
1806	0.000000	1806	1.613548
1807	0.000000	1807	1.568248
1808	0.000000	1808	0.962871
1809	0.000000	1809	0.293469
1810	0.000000	1810	0.293469
1811	0.000000	1811	0.962871
1812	0.000000	1812	1.364336
1813	0.000000	1813	0.293469
1814	0.269617	1814	0.000000
1815	0.000000	1815	0.134179
1816	0.000000	1816	0.126536
1817	0.000000	1817	0.272306
1818	0.000000	1818	0.146921
1819	0.000000	1819	0.192239
1820	0.000000	1820	0.153055
1821	0.000000	1821	0.240192
1822	0.000000	1822	0.134179
1823	-0.000000	1823	0.000000
1824	0.000000	1824	0.146921
1825	0.000000	1825	0.134179

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1826	0.000000	1826	0.126536
1827	0.000000	1827	0.146921
1828	29.572985	1828	0.000000
1829	5.634850	1829	0.000000
1830	0.000000	1830	0.227308
1831	0.000000	1831	0.000000
1832	0.000000	1832	0.058907
1833	0.000000	1833	0.041400
1834	11.031553	1834	0.000000
1835	0.248167	1835	0.000000
1836	6.059210	1836	0.000000
1837	0.000000	1837	0.000000
1838	0.899570	1838	0.000000
1839	1.136364	1839	0.000000
1840	1.900000	1840	0.000000
1841	0.000000	1841	0.007399
1842	0.000000	1842	-0.000000
1843	0.000000	1843	0.227308
1844	0.000000	1844	-0.000000
1845	0.000000	1845	0.058907
1846	0.000000	1846	0.024400
1847	5.366357	1847	0.000000
1848	0.000000	1848	0.000000
1849	0.719678	1849	0.000000
1850	3.140534	1850	0.000000
1851	0.000000	1851	-0.000000
1852	0.000000	1852	-0.000000
1853	0.000000	1853	-0.000000
1854	0.000000	1854	-0.000000
1855	0.000000	1855	-0.000000
1856	0.000000	1856	0.227308
1857	1.404551	1857	0.000000
1858	0.000000	1858	0.058907
1859	0.000000	1859	0.074700
1860	5.240583	1860	0.000000
1861	0.000000	1861	0.000000
1862	0.000000	1862	0.000000
1863	2.365188	1863	0.000000
1864	0.000000	1864	-0.000000
1865	0.000000	1865	-0.000000
1866	0.000000	1866	0.000000
1867	0.000000	1867	-0.000000
1868	0.000000	1868	-0.000000
1869	0.000000	1869	0.227308
1870	0.000000	1870	0.000000
1871	0.000000	1871	0.058907
1872	0.000000	1872	0.101911
1873	4.928087	1873	0.000000
1874	0.000000	1874	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1875	0.000000	1875	0.000000
1876	3.544949	1876	0.000000
1877	0.000000	1877	-0.000000
1878	0.000000	1878	-0.000000
1879	0.000000	1879	0.000000
1880	0.000000	1880	-0.000000
1881	0.000000	1881	-0.000000
1882	0.000000	1882	0.227308
1883	0.000000	1883	0.000000
1884	0.000000	1884	0.058907
1885	0.600000	1885	0.000000
1886	0.029878	1886	0.000000
1887	0.000000	1887	0.000000
1888	0.000000	1888	0.000000
1889	0.453094	1889	0.000000
1890	0.000000	1890	-0.000000
1891	0.000000	1891	-0.000000
1892	0.000000	1892	0.000000
1893	11.855586	1893	0.000000
1894	2.592423	1894	0.000000
1895	2.830332	1895	0.000000
1896	0.000000	1896	0.001916
1897	0.000000	1897	0.161049
1898	0.000000	1898	2.928936
1899	0.000000	1899	0.032918
1900	0.955477	1900	0.000000
1901	0.000000	1901	0.331310
1902	0.000000	1902	0.500816
1903	0.000000	1903	2.308881
1904	0.000000	1904	0.048800
1905	0.000000	1905	0.350144
1906	1.759364	1906	0.000000
1907	0.000000	1907	0.586944
1908	0.000000	1908	0.331310
1909	0.000000	1909	0.048800
1910	0.000000	1910	0.048800
1911	0.000000	1911	0.331310
1912	0.000000	1912	0.500816
1913	0.000000	1913	0.048800
1914	0.000000	1914	0.284711
1915	0.000000	1915	0.308418
1916	0.000000	1916	0.221839
1917	1.914746	1917	0.000000
1918	0.000000	1918	0.038055
1919	0.000000	1919	0.074146
1920	0.000000	1920	0.029973
1921	37.900000	1921	0.000000
1922	22.341937	1922	0.000000
1923	25.727486	1923	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1924	0.000000	1924	0.284711
1925	0.000000	1925	0.308418
1926	0.000000	1926	0.221839
1927	0.000000	1927	0.000000
1928	0.000000	1928	0.038055
1929	0.000000	1929	0.074146
1930	0.000000	1930	0.029973
1931	0.000000	1931	0.000000
1932	20.608063	1932	0.000000
1933	0.000000	1933	0.000000
1934	0.000000	1934	0.285296
1935	0.000000	1935	0.309003
1936	0.000000	1936	0.222425
1937	0.000000	1937	0.000600
1938	0.000000	1938	0.068950
1939	0.000000	1939	0.074246
1940	0.000000	1940	0.030073
1941	0.000000	1941	0.000000
1942	0.000000	1942	0.000100
1943	15.842514	1943	0.000000
1944	0.000000	1944	0.133672
1945	0.000000	1945	0.157378
1946	0.000000	1946	0.070800
1947	51.070925	1947	0.000000
1948	21.000000	1948	0.000000
1949	0.000000	1949	0.020369
1950	0.000000	1950	0.000500
1951	0.750000	1951	0.000000
1952	0.000000	1952	0.000500
1953	0.000000	1953	0.000500
1954	0.000000	1954	0.062872
1955	0.000000	1955	0.086578
1956	0.380145	1956	0.000000
1957	26.285283	1957	0.000000
1958	0.000000	1958	-0.000000
1959	0.000000	1959	0.019869
1960	2.545455	1960	0.000000
1961	0.000000	1961	0.000000
1962	2.250000	1962	0.000000
1963	2.350000	1963	0.000000
1964	0.000000	1964	0.000000
1965	55.000000	1965	0.000000
1966	0.000000	1966	0.000000
1967	69.700000	1967	0.000000
1968	42.700000	1968	0.000000
1969	0.000000	1969	0.662741
1970	0.000000	1970	0.655098
1971	0.000000	1971	0.696959
1972	0.000000	1972	0.176351

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Coordenada x	Valor x	Coordenada z	Valor z
1973	0.000000	1973	0.264400
1974	0.000000	1974	0.177797
1975	0.000000	1975	0.133623
1976	0.000000	1976	0.121551
1977	0.000000	1977	0.103651
1978	0.000000	1978	0.070251
1979	0.910000	1979	0.000000
1980	0.237293	1980	0.000000
1981	-0.000000	1981	0.000000
1982	-0.000000	1982	0.000000
1983	-0.000000	1983	0.000000
1984	-0.000000	1984	0.000000
1985	-0.000000	1985	0.000000
1986	4.183307	1986	0.000000
1987	0.720000	1987	0.000000
1988	0.703125	1988	0.000000
1989	0.512236	1989	0.000000
1990	0.073242	1990	0.000000
1991	1.420650	1991	0.000000
1992	0.732945	1992	0.000000
1993	0.900000	1993	0.000000
1994	1.370720	1994	0.000000
1995	-0.000000	1995	0.000000
1996	-0.000000	1996	0.000000
1997	1.757544	1997	0.000000
1998	-0.000000	1998	0.000000
1999	-0.000000	1999	0.000000
2000	-0.000000	2000	0.000000
2001	-0.000000	2001	0.000000
2002	-0.000000	2002	0.000000
2003	0.724188	2003	0.000000
2004	0.194944	2004	0.000000
2005	-0.000000	2005	0.000000
2006	0.920000	2006	0.000000
2007	0.148308	2007	0.000000
2008	0.006980	2008	0.000000
2009	-0.000000	2009	0.000000
2010	0.000000	2010	0.010805
2011	0.000000	2011	0.030600
2012	-0.000000	2012	0.000000
2013	5.847803	2013	0.000000
2014	1.800000	2014	0.000000
2015	1.406250	2015	0.000000
2016	0.496515	2016	0.000000
2017	0.058594	2017	0.000000
2018	2.310000	2018	0.000000
2019	0.625101	2019	0.000000
2020	0.030000	2020	0.000000
2021	0.229000	2021	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2022	3.096432	2022	0.000000
2023	-0.000000	2023	0.000000
2024	3.133606	2024	0.000000
2025	-0.000000	2025	0.000000
2026	-0.000000	2026	0.000000
2027	-0.000000	2027	0.000000
2028	-0.000000	2028	0.000000
2029	14.457536	2029	0.000000
2030	0.633969	2030	0.000000
2031	0.149957	2031	0.000000
2032	-0.000000	2032	0.000000
2033	0.920000	2033	0.000000
2034	0.092692	2034	0.000000
2035	-0.000000	2035	0.000000
2036	-0.000000	2036	0.000000
2037	0.131411	2037	0.000000
2038	-0.000000	2038	0.000000
2039	-0.000000	2039	0.000000
2040	3.743744	2040	0.000000
2041	0.450000	2041	0.000000
2042	0.562500	2042	0.000000
2043	0.481958	2043	0.000000
2044	0.046875	2044	0.000000
2045	0.825000	2045	0.000000
2046	0.463820	2046	0.000000
2047	-0.000000	2047	0.000000
2048	6.919787	2048	0.000000
2049	1.701336	2049	0.000000
2050	-0.000000	2050	0.000000
2051	1.457491	2051	0.000000
2052	-0.000000	2052	0.000000
2053	-0.000000	2053	0.000000
2054	-0.000000	2054	0.000000
2055	-0.000000	2055	0.000000
2056	15.461050	2056	0.000000
2057	0.384224	2057	0.000000
2058	0.115352	2058	0.000000
2059	0.000000	2059	0.177100
2060	-0.000000	2060	0.000000
2061	0.154487	2061	0.000000
2062	-0.000000	2062	0.000000
2063	-0.000000	2063	0.000000
2064	0.106978	2064	0.000000
2065	-0.000000	2065	0.000000
2066	-0.000000	2066	0.000000
2067	2.350802	2067	0.000000
2068	0.150000	2068	0.000000
2069	0.225000	2069	0.000000
2070	0.468480	2070	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2071	0.037500	2071	0.000000
2072	0.300000	2072	0.000000
2073	0.342415	2073	0.000000
2074	-0.000000	2074	0.000000
2075	3.553282	2075	0.000000
2076	0.934800	2076	0.000000
2077	-0.000000	2077	0.000000
2078	0.677903	2078	0.000000
2079	-0.000000	2079	0.000000
2080	-0.000000	2080	0.000000
2081	-0.000000	2081	0.000000
2082	-0.000000	2082	0.000000
2083	17.947925	2083	0.000000
2084	0.232863	2084	0.000000
2085	0.088732	2085	0.000000
2086	-0.000000	2086	0.000000
2087	-0.000000	2087	0.000000
2088	0.000000	2088	7.383300
2089	-0.000000	2089	0.000000
2090	-0.000000	2090	0.000000
2091	-0.000000	2091	0.000000
2092	-0.000000	2092	0.000000
2093	0.000000	2093	0.000000
2094	1.574186	2094	0.000000
2095	0.000000	2095	0.000000
2096	0.150000	2096	0.000000
2097	0.456000	2097	0.000000
2098	0.150000	2098	0.000000
2099	0.030000	2099	0.000000
2100	0.018994	2100	0.000000
2101	0.000000	2101	0.000000
2102	8.999558	2102	0.000000
2103	1.140000	2103	0.000000
2104	0.000000	2104	0.000000
2105	0.589481	2105	0.000000
2106	0.000000	2106	0.000000
2107	-0.000000	2107	0.000000
2108	0.000000	2108	0.000000
2109	0.000000	2109	0.000000
2110	4.139290	2110	0.000000
2111	0.358251	2111	0.000000
2112	0.295773	2112	0.000000
2113	-0.000000	2113	0.000000
2114	1.456547	2114	0.000000
2115	-0.000000	2115	0.000000
2116	0.100000	2116	0.000000
2117	-0.000000	2117	0.000000
2118	0.640000	2118	0.000000
2119	0.000000	2119	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2120	-0.000000	2120	0.000000
2121	1.400000	2121	0.000000
2122	-0.000000	2122	0.000000
2123	-0.000000	2123	0.000000
2124	0.450000	2124	0.000000
2125	-0.000000	2125	0.000000
2126	-0.000000	2126	0.000000
2127	0.150000	2127	0.000000
2128	-0.000000	2128	0.000000
2129	10.309436	2129	0.000000
2130	-0.000000	2130	0.000000
2131	-0.000000	2131	0.000000
2132	-0.000000	2132	0.000000
2133	-0.000000	2133	0.000000
2134	-0.000000	2134	0.000000
2135	-0.000000	2135	0.000000
2136	-0.000000	2136	0.000000
2137	-0.000000	2137	0.000000
2138	-0.000000	2138	0.000000
2139	-0.000000	2139	0.000000
2140	-0.000000	2140	0.000000
2141	895.913975	2141	0.000000
2142	202.591306	2142	0.000000
2143	553.163852	2143	0.000000
2144	73.625000	2144	0.000000
2145	200.000000	2145	0.000000
2146	400.000000	2146	0.000000
2147	162.811858	2147	0.000000
2148	0.000000	2148	0.140453
2149	0.000000	2149	0.043353
2150	-0.000000	2150	0.000000
2151	762.811858	2151	0.000000
2152	-0.000000	2152	0.000000
2153	400.000000	2153	0.000000
2154	300.000000	2154	0.000000
2155	95.036047	2155	0.000000
2156	0.000000	2156	0.038900
2157	0.000000	2157	0.038900
2158	89.157098	2158	0.000000
2159	795.036047	2159	0.000000
2160	89.157098	2160	0.000000
2161	315.088420	2161	0.000000
2162	125.978618	2162	0.000000
2163	-0.000000	2163	0.000000
2164	0.000000	2164	0.000000
2165	25.162445	2165	0.000000
2166	0.000000	2166	1.378500
2167	441.067039	2167	0.000000
2168	25.162445	2168	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2169	120.081394	2169	0.000000
2170	25.744086	2170	0.000000
2171	858.079336	2171	0.000000
2172	-0.000000	2172	0.000000
2173	0.000000	2173	0.000510
2174	0.000000	2174	0.000510
2175	858.079336	2175	0.000000
2176	0.000000	2176	0.000000
2177	0.000000	2177	0.000165
2178	-0.000000	2178	0.000000
2179	0.000000	2179	0.000294
2180	0.000000	2180	0.000412
2181	2076.532305	2181	0.000000
2182	-0.000000	2182	0.000000
2183	-0.000000	2183	0.000000
2184	1700.000000	2184	0.000000
2185	376.532305	2185	0.000000
2186	-0.000000	2186	0.000000
2187	-0.000000	2187	0.000000
2188	0.000000	2188	0.000400
2189	0.000000	2189	0.004000
2190	-0.000000	2190	0.000000
2191	0.000000	2191	0.000271
2192	0.000000	2192	0.000294
2193	-0.000000	2193	0.000000
2194	139.694913	2194	0.000000
2195	0.000000	2195	0.000706
2196	0.000000	2196	0.059427
2197	0.000000	2197	0.059409
2198	0.000000	2198	0.059214
2199	0.000000	2199	0.059458
2200	0.000000	2200	0.059425
2201	0.000000	2201	0.070500
2202	0.000000	2202	0.059400
2203	0.000000	2203	0.082758
2204	0.000000	2204	0.059458
2205	0.000000	2205	0.059458
2206	0.000000	2206	0.082758
2207	0.000000	2207	0.059409
2208	0.000000	2208	0.059458
2209	0.000000	2209	0.064217
2210	0.000000	2210	0.064199
2211	0.000000	2211	0.064004
2212	0.000000	2212	0.064248
2213	0.000000	2213	0.064215
2214	0.000000	2214	0.077790
2215	0.000000	2215	0.064190
2216	0.000000	2216	0.087548
2217	0.000000	2217	0.064248

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Coordenada x	Valor x	Coordenada z	Valor z
2218	0.000000	2218	0.064248
2219	0.000000	2219	0.087548
2220	0.000000	2220	0.064199
2221	0.000000	2221	0.064248
2222	0.000000	2222	0.230567
2223	0.000000	2223	0.230549
2224	0.000000	2224	0.230354
2225	0.000000	2225	0.230598
2226	0.000000	2226	0.230565
2227	0.000000	2227	0.163740
2228	0.000000	2228	0.364258
2229	0.000000	2229	0.225698
2230	-0.000000	2230	0.000000
2231	0.000000	2231	0.202398
2232	0.000000	2232	0.225698
2233	0.000000	2233	0.202349
2234	0.000000	2234	0.202398
2235	0.000000	2235	0.312601
2236	0.000000	2236	0.312583
2237	0.000000	2237	0.312387
2238	0.000000	2238	0.312632
2239	0.000000	2239	0.312599
2240	0.000000	2240	0.340073
2241	0.000000	2241	0.312573
2242	0.000000	2242	0.335932
2243	0.000000	2243	0.312632
2244	0.000000	2244	0.312632
2245	0.000000	2245	0.335932
2246	0.000000	2246	0.312583
2247	0.000000	2247	0.312632
2248	0.000000	2248	0.451658
2249	0.000000	2249	0.188787
2250	0.000000	2250	0.188769
2251	0.000000	2251	0.188574
2252	0.000000	2252	0.188818
2253	0.000000	2253	0.188785
2254	0.000000	2254	0.207260
2255	0.000000	2255	0.339814
2256	0.000000	2256	0.212118
2257	-0.000000	2257	0.000000
2258	0.000000	2258	0.188818
2259	0.000000	2259	0.212118
2260	0.000000	2260	0.188769
2261	0.000000	2261	0.188818
2262	0.000000	2262	0.047776
2263	0.000000	2263	0.047758
2264	0.000000	2264	0.047562
2265	0.000000	2265	0.047807
2266	0.000000	2266	0.047774

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Coordenada x	Valor x	Coordenada z	Valor z
2267	0.000000	2267	0.072848
2268	0.000000	2268	0.047748
2269	0.000000	2269	0.071107
2270	0.000000	2270	0.047807
2271	0.000000	2271	0.047807
2272	0.000000	2272	0.071107
2273	0.000000	2273	0.047758
2274	0.000000	2274	0.047807
2275	0.000000	2275	0.023169
2276	0.000000	2276	0.023151
2277	0.000000	2277	0.022956
2278	0.000000	2278	0.023200
2279	0.000000	2279	0.023167
2280	0.000000	2280	0.037942
2281	-0.000000	2281	0.000000
2282	0.000000	2282	0.046500
2283	0.000000	2283	0.052127
2284	0.000000	2284	0.023200
2285	0.000000	2285	0.046500
2286	0.000000	2286	0.023151
2287	0.000000	2287	0.023200
2288	0.000000	2288	0.036469
2289	0.000000	2289	0.036451
2290	0.000000	2290	0.036256
2291	0.000000	2291	0.036500
2292	0.000000	2292	0.036467
2293	0.000000	2293	0.081742
2294	0.000000	2294	0.036442
2295	0.000000	2295	0.059800
2296	0.000000	2296	0.036500
2297	0.000000	2297	0.036500
2298	0.000000	2298	0.059800
2299	0.000000	2299	0.036451
2300	0.000000	2300	0.036500
2301	48.285714	2301	0.000000
2302	9.772727	2302	0.000000
2303	4.443771	2303	0.000000
2304	3.266172	2304	0.000000
2305	32.380952	2305	0.000000
2306	0.000000	2306	0.014480
2307	20.142789	2307	0.000000
2308	0.000000	2308	0.023331
2309	7.248889	2309	0.000000
2310	15.933633	2310	0.000000
2311	0.000000	2311	0.023331
2312	1.272727	2312	0.000000
2313	2.950000	2313	0.000000
2314	0.000000	2314	0.000000
2315	0.000000	2315	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2316	0.000000	2316	0.000000
2317	0.000000	2317	-0.000000
2318	0.000000	2318	0.000000
2319	0.650000	2319	0.000000
2320	0.137347	2320	0.000000
2321	0.000000	2321	0.023331
2322	0.000000	2322	-0.000000
2323	0.566367	2323	0.000000
2324	0.000000	2324	0.023331
2325	0.000000	2325	0.000000
2326	0.000000	2326	0.000000
2327	0.000000	2327	0.002669
2328	0.000000	2328	0.002651
2329	0.000000	2329	0.002456
2330	13.704204	2330	0.000000
2331	0.000000	2331	0.191194
2332	0.000000	2332	1.805438
2333	0.000000	2333	0.018588
2334	2.221886	2334	0.000000
2335	0.000000	2335	0.044113
2336	0.000000	2336	0.052821
2337	0.000000	2337	0.145707
2338	0.000000	2338	0.029600
2339	0.000000	2339	0.045081
2340	7.037457	2340	0.000000
2341	0.000000	2341	0.057246
2342	0.000000	2342	0.044113
2343	0.000000	2343	0.029600
2344	0.000000	2344	0.029600
2345	0.000000	2345	0.044113
2346	0.000000	2346	0.052821
2347	0.000000	2347	0.029600
2348	0.000000	2348	0.278049
2349	0.000000	2349	0.277529
2350	0.000000	2350	0.255555
2351	0.000000	2351	0.018504
2352	0.000000	2352	0.041598
2353	0.000000	2353	0.106392
2354	0.000000	2354	0.036601
2355	39.290000	2355	0.000000
2356	1.781908	2356	0.000000
2357	39.980000	2357	0.000000
2358	0.000000	2358	0.278049
2359	0.000000	2359	0.277529
2360	0.000000	2360	0.255555
2361	0.000000	2361	0.018504
2362	0.000000	2362	0.041598
2363	0.000000	2363	0.106392
2364	0.000000	2364	0.036601

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Coordenada x	Valor x	Coordenada z	Valor z
2365	0.000000	2365	-0.000000
2366	22.874950	2366	0.000000
2367	0.000000	2367	0.000000
2368	0.000000	2368	0.278697
2369	0.000000	2369	0.235577
2370	0.000000	2370	0.256203
2371	0.000000	2371	0.018804
2372	0.000000	2372	0.060398
2373	0.000000	2373	0.106392
2374	0.000000	2374	0.036601
2375	0.000000	2375	0.000100
2376	19.803143	2376	0.000000
2377	0.000000	2377	0.000100
2378	0.000000	2378	0.159660
2379	0.000000	2379	0.159139
2380	0.000000	2380	0.137166
2381	0.000000	2381	0.006405
2382	0.000000	2382	0.006405
2383	0.000000	2383	0.065365
2384	0.000000	2384	0.006705
2385	0.000000	2385	0.006405
2386	0.000000	2386	0.006705
2387	0.000000	2387	0.006705
2388	0.000000	2388	0.102822
2389	0.000000	2389	0.102301
2390	0.000000	2390	0.080328
2391	9.680932	2391	0.000000
2392	25.250000	2392	0.000000
2393	0.000000	2393	0.058660
2394	0.727273	2394	0.000000
2395	1.200000	2395	0.000000
2396	3.800000	2396	0.000000
2397	3.900000	2397	0.000000
2398	0.000000	2398	0.005837
2399	59.375000	2399	0.000000
2400	0.000000	2400	0.005837
2401	80.500000	2401	0.000000
2402	51.300000	2402	0.000000
2403	0.000000	2403	0.582902
2404	0.000000	2404	0.582883
2405	0.000000	2405	0.816256
2406	0.000000	2406	0.139202
2407	0.000000	2407	0.193502
2408	0.000000	2408	0.182991
2409	0.000000	2409	0.113199
2410	0.000000	2410	0.087498
2411	0.000000	2411	0.076598
2412	0.000000	2412	0.056398
2413	-0.000000	2413	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2414	-0.000000	2414	0.000000
2415	-0.000000	2415	0.000000
2416	-0.000000	2416	0.000000
2417	-0.000000	2417	0.000000
2418	-0.000000	2418	0.000000
2419	-0.000000	2419	0.000000
2420	-0.000000	2420	0.000000
2421	-0.000000	2421	0.000000
2422	-0.000000	2422	0.000000
2423	50.826983	2423	0.000000
2424	0.091553	2424	0.000000
2425	-0.000000	2425	0.000000
2426	3.242570	2426	0.000000
2427	2.790000	2427	0.000000
2428	18.590755	2428	0.000000
2429	1.374514	2429	0.000000
2430	-0.000000	2430	0.000000
2431	2.284808	2431	0.000000
2432	-0.000000	2432	0.000000
2433	-0.000000	2433	0.000000
2434	-0.000000	2434	0.000000
2435	-0.000000	2435	0.000000
2436	-0.000000	2436	0.000000
2437	1.050073	2437	0.000000
2438	0.253427	2438	0.000000
2439	-0.000000	2439	0.000000
2440	0.910000	2440	0.000000
2441	0.237293	2441	0.000000
2442	0.000000	2442	0.001900
2443	-0.000000	2443	0.000000
2444	0.000000	2444	0.001300
2445	0.000000	2445	0.001900
2446	-0.000000	2446	0.000000
2447	4.183307	2447	0.000000
2448	0.720000	2448	0.000000
2449	0.703125	2449	0.000000
2450	0.512236	2450	0.000000
2451	0.073242	2451	0.000000
2452	1.420650	2452	0.000000
2453	0.732945	2453	0.000000
2454	0.900000	2454	0.000000
2455	1.370720	2455	0.000000
2456	0.000000	2456	0.000600
2457	-0.000000	2457	0.000000
2458	1.757544	2458	0.000000
2459	-0.000000	2459	0.000000
2460	-0.000000	2460	0.000000
2461	-0.000000	2461	0.000000
2462	-0.000000	2462	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2463	0.000000	2463	0.000000
2464	0.724188	2464	0.000000
2465	0.194944	2465	0.000000
2466	-0.000000	2466	0.000000
2467	0.920000	2467	0.000000
2468	0.148308	2468	0.000000
2469	0.006980	2469	0.000000
2470	-0.000000	2470	0.000000
2471	-0.000000	2471	0.000000
2472	-0.000000	2472	0.000000
2473	-0.000000	2473	0.000000
2474	5.847803	2474	0.000000
2475	1.800000	2475	0.000000
2476	1.406250	2476	0.000000
2477	0.496515	2477	0.000000
2478	0.058594	2478	0.000000
2479	2.310000	2479	0.000000
2480	0.625101	2480	0.000000
2481	0.030000	2481	0.000000
2482	0.229000	2482	0.000000
2483	3.096432	2483	0.000000
2484	-0.000000	2484	0.000000
2485	3.133606	2485	0.000000
2486	-0.000000	2486	0.000000
2487	-0.000000	2487	0.000000
2488	-0.000000	2488	0.000000
2489	-0.000000	2489	0.000000
2490	14.457536	2490	0.000000
2491	0.633969	2491	0.000000
2492	0.149957	2492	0.000000
2493	0.000000	2493	0.018400
2494	0.920000	2494	0.000000
2495	0.092692	2495	0.000000
2496	-0.000000	2496	0.000000
2497	-0.000000	2497	0.000000
2498	0.131411	2498	0.000000
2499	-0.000000	2499	0.000000
2500	-0.000000	2500	0.000000
2501	3.743744	2501	0.000000
2502	0.450000	2502	0.000000
2503	0.562500	2503	0.000000
2504	0.481958	2504	0.000000
2505	0.046875	2505	0.000000
2506	0.825000	2506	0.000000
2507	0.463820	2507	0.000000
2508	-0.000000	2508	0.000000
2509	6.919787	2509	0.000000
2510	1.701336	2510	0.000000
2511	-0.000000	2511	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2512	1.457491	2512	0.000000
2513	-0.000000	2513	0.000000
2514	-0.000000	2514	0.000000
2515	-0.000000	2515	0.000000
2516	-0.000000	2516	0.000000
2517	15.461050	2517	0.000000
2518	0.384224	2518	0.000000
2519	0.115352	2519	0.000000
2520	-0.000000	2520	0.000000
2521	-0.000000	2521	0.000000
2522	0.154487	2522	0.000000
2523	-0.000000	2523	0.000000
2524	-0.000000	2524	0.000000
2525	0.106978	2525	0.000000
2526	-0.000000	2526	0.000000
2527	0.000000	2527	0.000000
2528	2.350802	2528	0.000000
2529	0.150000	2529	0.000000
2530	0.225000	2530	0.000000
2531	0.468480	2531	0.000000
2532	0.037500	2532	0.000000
2533	0.300000	2533	0.000000
2534	0.342415	2534	0.000000
2535	0.000000	2535	0.000000
2536	3.553282	2536	0.000000
2537	0.934800	2537	0.000000
2538	0.000000	2538	0.000000
2539	0.677903	2539	0.000000
2540	0.000000	2540	0.000000
2541	-0.000000	2541	0.000000
2542	0.000000	2542	0.000000
2543	0.000000	2543	0.000000
2544	17.947925	2544	0.000000
2545	0.232863	2545	0.000000
2546	0.088732	2546	0.000000
2547	-0.000000	2547	0.000000
2548	-0.000000	2548	0.000000
2549	-0.000000	2549	0.000000
2550	-0.000000	2550	0.000000
2551	-0.000000	2551	0.000000
2552	-0.000000	2552	0.000000
2553	-0.000000	2553	0.000000
2554	-0.000000	2554	0.000000
2555	1.574186	2555	0.000000
2556	-0.000000	2556	0.000000
2557	0.150000	2557	0.000000
2558	0.456000	2558	0.000000
2559	0.150000	2559	0.000000
2560	0.030000	2560	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2561	0.018994	2561	0.000000
2562	-0.000000	2562	0.000000
2563	8.999558	2563	0.000000
2564	1.140000	2564	0.000000
2565	-0.000000	2565	0.000000
2566	0.589481	2566	0.000000
2567	-0.000000	2567	0.000000
2568	-0.000000	2568	0.000000
2569	-0.000000	2569	0.000000
2570	-0.000000	2570	0.000000
2571	4.139290	2571	0.000000
2572	0.358251	2572	0.000000
2573	0.295773	2573	0.000000
2574	-0.000000	2574	0.000000
2575	0.000000	2575	0.000000
2576	0.000000	2576	0.000000
2577	0.000000	2577	0.000000
2578	0.000000	2578	0.000000
2579	0.000000	2579	0.000000
2580	46.883119	2580	0.000000
2581	1.584673	2581	0.000000
2582	14.341137	2582	0.000000
2583	0.000000	2583	0.000000
2584	1155.230847	2584	0.000000
2585	259.316872	2585	0.000000
2586	647.403852	2586	0.000000
2587	94.240000	2587	0.000000
2588	200.000000	2588	0.000000
2589	400.000000	2589	0.000000
2590	162.811858	2590	0.000000
2591	0.000000	2591	0.140453
2592	0.000000	2592	0.043353
2593	-0.000000	2593	0.000000
2594	762.811858	2594	0.000000
2595	-0.000000	2595	0.000000
2596	400.000000	2596	0.000000
2597	300.000000	2597	0.000000
2598	176.169007	2598	0.000000
2599	0.000000	2599	0.038900
2600	0.000000	2600	0.038900
2601	81.132960	2601	0.000000
2602	876.169007	2602	0.000000
2603	81.132960	2603	0.000000
2604	315.088420	2604	0.000000
2605	153.908932	2605	0.000000
2606	-0.000000	2606	0.000000
2607	0.000000	2607	0.000000
2608	27.930313	2608	0.000000
2609	0.000000	2609	0.818500

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Coordenada x	Valor x	Coordenada z	Valor z
2610	468.997352	2610	0.000000
2611	27.930313	2611	0.000000
2612	149.022784	2612	0.000000
2613	28.941390	2613	0.000000
2614	0.000000	2614	0.000000
2615	-0.000000	2615	0.000000
2616	799.860136	2616	0.000000
2617	58.219200	2617	0.000000
2618	799.860136	2618	0.000000
2619	0.000000	2619	0.000000
2620	-0.000000	2620	0.000000
2621	-0.000000	2621	0.000000
2622	-0.000000	2622	0.000000
2623	-0.000000	2623	0.000000
2624	2076.532305	2624	0.000000
2625	-0.000000	2625	0.000000
2626	-0.000000	2626	0.000000
2627	1700.000000	2627	0.000000
2628	376.532305	2628	0.000000
2629	-0.000000	2629	0.000000
2630	-0.000000	2630	0.000000
2631	0.000000	2631	0.000400
2632	0.000000	2632	0.002700
2633	0.000000	2633	0.000052
2634	0.000000	2634	0.000163
2635	0.000000	2635	0.000176
2636	0.000000	2636	0.000176
2637	-0.000000	2637	0.000000
2638	139.694913	2638	0.000000
2639	0.000000	2639	0.045808
2640	0.000000	2640	0.045808
2641	0.000000	2641	0.045808
2642	0.000000	2642	0.045808
2643	0.000000	2643	0.045808
2644	0.000000	2644	0.052608
2645	0.000000	2645	0.050454
2646	0.000000	2646	0.059408
2647	0.000000	2647	0.040001
2648	0.000000	2648	0.045808
2649	0.000000	2649	0.059408
2650	0.000000	2650	0.045808
2651	0.000000	2651	0.045808
2652	0.000000	2652	0.048994
2653	0.000000	2653	0.048994
2654	0.000000	2654	0.048994
2655	0.000000	2655	0.048994
2656	0.000000	2656	0.048994
2657	0.000000	2657	0.057294
2658	0.000000	2658	0.053640

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Coordenada x	Valor x	Coordenada z	Valor z
2659	0.000000	2659	0.062594
2660	0.000000	2660	0.043187
2661	0.000000	2661	0.048994
2662	0.000000	2662	0.062594
2663	0.000000	2663	0.048994
2664	0.000000	2664	0.048994
2665	0.000000	2665	0.193823
2666	0.000000	2666	0.193823
2667	0.000000	2667	0.193823
2668	0.000000	2668	0.193823
2669	0.000000	2669	0.193823
2670	0.000000	2670	0.136323
2671	0.000000	2671	0.287502
2672	0.000000	2672	0.173323
2673	-0.000000	2673	0.000000
2674	0.000000	2674	0.159723
2675	0.000000	2675	0.173323
2676	0.000000	2676	0.159723
2677	0.000000	2677	0.159723
2678	0.000000	2678	0.226523
2679	0.000000	2679	0.226523
2680	0.000000	2680	0.226523
2681	0.000000	2681	0.226523
2682	0.000000	2682	0.226523
2683	0.000000	2683	0.243223
2684	0.000000	2684	0.231169
2685	0.000000	2685	0.240123
2686	0.000000	2686	0.220716
2687	0.000000	2687	0.226523
2688	0.000000	2688	0.240123
2689	0.000000	2689	0.226523
2690	0.000000	2690	0.226523
2691	0.000000	2691	0.330146
2692	0.000000	2692	0.093758
2693	0.000000	2693	0.093758
2694	0.000000	2694	0.093758
2695	0.000000	2695	0.093758
2696	0.000000	2696	0.093758
2697	0.000000	2697	0.104958
2698	0.000000	2698	0.168764
2699	0.000000	2699	0.107358
2700	-0.000000	2700	0.000000
2701	0.000000	2701	0.093758
2702	0.000000	2702	0.107358
2703	0.000000	2703	0.093758
2704	0.000000	2704	0.093758
2705	0.000000	2705	0.028166
2706	0.000000	2706	0.028166
2707	0.000000	2707	0.028166

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Coordenada x	Valor x	Coordenada z	Valor z
2708	0.000000	2708	0.028166
2709	0.000000	2709	0.028166
2710	0.000000	2710	0.043466
2711	0.000000	2711	0.032812
2712	0.000000	2712	0.041766
2713	0.000000	2713	0.022358
2714	0.000000	2714	0.028166
2715	0.000000	2715	0.041766
2716	0.000000	2716	0.028166
2717	0.000000	2717	0.028166
2718	0.000000	2718	0.014600
2719	0.000000	2719	0.014600
2720	0.000000	2720	0.014600
2721	0.000000	2721	0.014600
2722	0.000000	2722	0.014600
2723	0.000000	2723	0.023600
2724	-0.000000	2724	0.000000
2725	0.000000	2725	0.028200
2726	0.000000	2726	0.032850
2727	0.000000	2727	0.014600
2728	0.000000	2728	0.028200
2729	0.000000	2729	0.014600
2730	0.000000	2730	0.014600
2731	0.000000	2731	0.022700
2732	0.000000	2732	0.022700
2733	0.000000	2733	0.022700
2734	0.000000	2734	0.022700
2735	0.000000	2735	0.022700
2736	0.000000	2736	0.050200
2737	0.000000	2737	0.027346
2738	0.000000	2738	0.036300
2739	0.000000	2739	0.016893
2740	0.000000	2740	0.022700
2741	0.000000	2741	0.036300
2742	0.000000	2742	0.022700
2743	0.000000	2743	0.022700
2744	0.000000	2744	0.000500
2745	0.000000	2745	0.000500
2746	0.000000	2746	0.000500
2747	0.000000	2747	0.000500
2748	0.000000	2748	0.000500
2749	0.000000	2749	0.012544
2750	-0.000000	2750	0.000000
2751	0.000000	2751	0.014100
2752	0.000000	2752	0.001125
2753	0.000000	2753	0.000500
2754	0.000000	2754	0.014100
2755	0.000000	2755	0.000500
2756	0.000000	2756	0.000500

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Coordenada x	Valor x	Coordenada z	Valor z
2757	56.190476	2757	0.000000
2758	11.636364	2758	0.000000
2759	5.103295	2759	0.000000
2760	3.750922	2760	0.000000
2761	38.095238	2761	0.000000
2762	0.700000	2762	0.000000
2763	9.700694	2763	0.000000
2764	0.000000	2764	0.013600
2765	7.760556	2765	0.000000
2766	17.900000	2766	0.000000
2767	0.000000	2767	0.013600
2768	1.409091	2768	0.000000
2769	4.050000	2769	0.000000
2770	0.000000	2770	0.002200
2771	0.000000	2771	0.002200
2772	0.000000	2772	0.002200
2773	0.000000	2773	0.005537
2774	0.000000	2774	0.121046
2775	0.000000	2775	1.093474
2776	0.000000	2776	0.074900
2777	2.551647	2777	0.000000
2778	0.000000	2778	0.017928
2779	0.000000	2779	0.017944
2780	0.000000	2780	0.018122
2781	0.000000	2781	0.017900
2782	0.000000	2782	0.017930
2783	11.077908	2783	0.000000
2784	0.000000	2784	0.017953
2785	0.000000	2785	0.017928
2786	0.000000	2786	0.017900
2787	0.000000	2787	0.017900
2788	0.000000	2788	0.017928
2789	0.000000	2789	0.017944
2790	0.000000	2790	0.017900
2791	0.000000	2791	0.197108
2792	0.000000	2792	0.196812
2793	0.000000	2793	0.183772
2794	0.000000	2794	0.027563
2795	0.000000	2795	0.041377
2796	0.000000	2796	0.079481
2797	0.000000	2797	0.074942
2798	41.086198	2798	0.000000
2799	0.000000	2799	-0.000000
2800	32.671038	2800	0.000000
2801	0.000000	2801	0.197108
2802	0.000000	2802	0.196812
2803	0.000000	2803	0.183772
2804	0.000000	2804	0.027563
2805	0.000000	2805	0.041377

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Coordenada x	Valor x	Coordenada z	Valor z
2806	0.000000	2806	0.079481
2807	0.000000	2807	0.074942
2808	1.383802	2808	0.000000
2809	24.007392	2809	0.000000
2810	0.000000	2810	0.000000
2811	0.000000	2811	0.197588
2812	0.000000	2812	0.171392
2813	0.000000	2813	0.184252
2814	0.000000	2814	0.027763
2815	0.000000	2815	0.052777
2816	0.000000	2816	0.079481
2817	0.000000	2817	0.074942
2818	0.000000	2818	-0.000000
2819	22.262608	2819	0.000000
2820	0.000000	2820	0.000100
2821	0.000000	2821	0.081020
2822	0.000000	2822	0.080724
2823	0.000000	2823	0.067683
2824	0.000000	2824	0.000100
2825	0.000000	2825	0.000100
2826	0.000000	2826	0.034845
2827	0.000000	2827	0.031753
2828	-0.000000	2828	0.000000
2829	0.000000	2829	0.000200
2830	0.000000	2830	0.000200
2831	0.000000	2831	0.054826
2832	0.000000	2832	0.054531
2833	0.000000	2833	0.041490
2834	25.367188	2834	0.000000
2835	30.350000	2835	0.000000
2836	0.000000	2836	0.034545
2837	0.000000	2837	0.031452
2838	1.600000	2838	0.000000
2839	5.600000	2839	0.000000
2840	5.600000	2840	0.000000
2841	0.000000	2841	0.000000
2842	64.166667	2842	0.000000
2843	0.000000	2843	0.000000
2844	93.950000	2844	0.000000
2845	61.600000	2845	0.000000
2846	0.000000	2846	0.292263
2847	0.000000	2847	0.292263
2848	0.000000	2848	0.399238
2849	0.000000	2849	0.066563
2850	0.000000	2850	0.095710
2851	0.000000	2851	0.091681
2852	0.000000	2852	0.087142
2853	0.000000	2853	0.018800
2854	0.000000	2854	0.012200

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Coordenada x	Valor x	Coordenada z	Valor z
2855	5.498962	2855	0.000000
2856	0.000000	2856	0.000000
2857	-0.000000	2857	0.000000
2858	0.000000	2858	0.000000
2859	-0.000000	2859	0.000000
2860	-0.000000	2860	0.000000
2861	0.000000	2861	0.000000
2862	0.000000	2862	0.000000
2863	0.000000	2863	0.000000
2864	0.936000	2864	0.000000
2865	0.000000	2865	0.015259
2866	-0.000000	2866	0.000000
2867	62.522041	2867	0.000000
2868	-0.000000	2868	0.000000
2869	2.091541	2869	0.000000
2870	2.135782	2870	0.000000
2871	-0.000000	2871	0.000000
2872	-0.000000	2872	0.000000
2873	0.000000	2873	0.000000
2874	7.895453	2874	0.000000
2875	0.000000	2875	0.000000
2876	7.520734	2876	0.000000
2877	0.000000	2877	0.000000
2878	0.000000	2878	0.000000
2879	-0.000000	2879	0.000000
2880	-0.000000	2880	0.000000
2881	-0.000000	2881	0.000000
2882	-0.000000	2882	0.000000
2883	0.000000	2883	0.000100
2884	0.000000	2884	0.000100
2885	0.000000	2885	0.000100
2886	-0.000000	2886	0.000000
2887	0.000000	2887	0.000000
2888	0.000000	2888	0.000100
2889	0.000000	2889	0.000000
2890	0.000000	2890	0.000100
2891	0.000000	2891	0.000300
2892	0.000000	2892	0.036721
2893	50.826983	2893	0.000000
2894	0.091553	2894	0.000000
2895	0.000000	2895	0.000200
2896	3.242570	2896	0.000000
2897	2.790000	2897	0.000000
2898	18.590755	2898	0.000000
2899	1.374514	2899	0.000000
2900	0.000000	2900	0.000000
2901	2.284808	2901	0.000000
2902	0.000000	2902	0.000000
2903	-0.000000	2903	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2904	0.000000	2904	0.000000
2905	0.000000	2905	0.000000
2906	0.000000	2906	0.000000
2907	1.050073	2907	0.000000
2908	0.253427	2908	0.000000
2909	0.000000	2909	0.000000
2910	0.910000	2910	0.000000
2911	0.237293	2911	0.000000
2912	-0.000000	2912	0.000000
2913	-0.000000	2913	0.000000
2914	-0.000000	2914	0.000000
2915	-0.000000	2915	0.000000
2916	0.000000	2916	0.000000
2917	4.183307	2917	0.000000
2918	0.720000	2918	0.000000
2919	0.703125	2919	0.000000
2920	0.512236	2920	0.000000
2921	0.073242	2921	0.000000
2922	1.420650	2922	0.000000
2923	0.732945	2923	0.000000
2924	0.900000	2924	0.000000
2925	1.370720	2925	0.000000
2926	-0.000000	2926	0.000000
2927	0.000000	2927	0.000000
2928	1.757544	2928	0.000000
2929	0.000000	2929	0.000000
2930	-0.000000	2930	0.000000
2931	0.000000	2931	0.000000
2932	0.000000	2932	0.000000
2933	-0.000000	2933	0.000000
2934	0.724188	2934	0.000000
2935	0.194944	2935	0.000000
2936	0.000000	2936	0.001100
2937	0.920000	2937	0.000000
2938	0.148308	2938	0.000000
2939	0.006980	2939	0.000000
2940	-0.000000	2940	0.000000
2941	-0.000000	2941	0.000000
2942	-0.000000	2942	0.000000
2943	0.000000	2943	0.000000
2944	5.847803	2944	0.000000
2945	1.800000	2945	0.000000
2946	1.406250	2946	0.000000
2947	0.496515	2947	0.000000
2948	0.058594	2948	0.000000
2949	2.310000	2949	0.000000
2950	0.625101	2950	0.000000
2951	0.030000	2951	0.000000
2952	0.229000	2952	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2953	3.096432	2953	0.000000
2954	0.000000	2954	0.000000
2955	3.133606	2955	0.000000
2956	0.000000	2956	0.000000
2957	-0.000000	2957	0.000000
2958	0.000000	2958	0.000000
2959	0.000000	2959	0.000000
2960	14.457536	2960	0.000000
2961	0.633969	2961	0.000000
2962	0.149957	2962	0.000000
2963	-0.000000	2963	0.000000
2964	0.920000	2964	0.000000
2965	0.092692	2965	0.000000
2966	-0.000000	2966	0.000000
2967	-0.000000	2967	0.000000
2968	0.131411	2968	0.000000
2969	-0.000000	2969	0.000000
2970	0.000000	2970	0.000000
2971	3.743744	2971	0.000000
2972	0.450000	2972	0.000000
2973	0.562500	2973	0.000000
2974	0.481958	2974	0.000000
2975	0.046875	2975	0.000000
2976	0.825000	2976	0.000000
2977	0.463820	2977	0.000000
2978	0.000000	2978	0.000000
2979	6.919787	2979	0.000000
2980	1.701336	2980	0.000000
2981	0.000000	2981	0.000000
2982	1.457491	2982	0.000000
2983	0.000000	2983	0.000000
2984	-0.000000	2984	0.000000
2985	0.000000	2985	0.000000
2986	0.000000	2986	0.000000
2987	15.461050	2987	0.000000
2988	0.384224	2988	0.000000
2989	0.115352	2989	0.000000
2990	-0.000000	2990	0.000000
2991	-0.000000	2991	0.000000
2992	0.154487	2992	0.000000
2993	-0.000000	2993	0.000000
2994	-0.000000	2994	0.000000
2995	0.106978	2995	0.000000
2996	-0.000000	2996	0.000000
2997	-0.000000	2997	0.000000
2998	2.350802	2998	0.000000
2999	0.150000	2999	0.000000
3000	0.225000	3000	0.000000
3001	0.468480	3001	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
3002	0.037500	3002	0.000000
3003	0.300000	3003	0.000000
3004	0.342415	3004	0.000000
3005	-0.000000	3005	0.000000
3006	3.553282	3006	0.000000
3007	0.934800	3007	0.000000
3008	-0.000000	3008	0.000000
3009	0.677903	3009	0.000000
3010	-0.000000	3010	0.000000
3011	-0.000000	3011	0.000000
3012	-0.000000	3012	0.000000
3013	-0.000000	3013	0.000000
3014	17.947925	3014	0.000000
3015	0.232863	3015	0.000000
3016	0.088732	3016	0.000000
3017	-0.000000	3017	0.000000
3018	0.000000	3018	0.000000
3019	0.000000	3019	0.000000
3020	0.000000	3020	0.000000
3021	0.000000	3021	0.000000
3022	0.000000	3022	0.000000
3023	0.000000	3023	0.000000
3024	0.000000	3024	0.000000
3025	0.000000	3025	0.000000
3026	49.956080	3026	0.000000
3027	0.000000	3027	0.000000
3028	0.000000	3028	0.000000
3029	0.000000	3029	0.000000
3030	0.000000	3030	0.000000
3031	3.924652	3031	0.000000
3032	5.785180	3032	0.000000
3033	0.000000	3033	0.000000
3034	0.000000	3034	0.000000
3035	0.000000	3035	0.000000
3036	0.000000	3036	0.000000
3037	1487.156443	3037	0.000000
3038	331.925596	3038	0.000000
3039	768.031052	3039	0.000000
3040	120.627200	3040	0.000000
3041	200.000000	3041	0.000000
3042	400.000000	3042	0.000000
3043	162.811858	3043	0.000000
3044	0.000000	3044	0.140453
3045	0.000000	3045	0.043353
3046	-0.000000	3046	0.000000
3047	762.811858	3047	0.000000
3048	-0.000000	3048	0.000000
3049	400.000000	3049	0.000000
3050	300.000000	3050	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
3051	250.000000	3051	0.000000
3052	0.000000	3052	0.038900
3053	0.000000	3053	0.038900
3054	73.830993	3054	0.000000
3055	950.000000	3055	0.000000
3056	73.830993	3056	0.000000
3057	315.088420	3057	0.000000
3058	184.911580	3058	0.000000
3059	-0.000000	3059	0.000000
3060	0.000000	3060	0.000000
3061	31.002648	3061	0.000000
3062	0.000000	3062	0.483400
3063	500.000000	3063	0.000000
3064	31.002648	3064	0.000000
3065	149.022784	3065	0.000000
3066	-0.000000	3066	0.000000
3067	0.000000	3067	0.000000
3068	-0.000000	3068	0.000000
3069	-0.000000	3069	0.000000
3070	799.860136	3070	0.000000
3071	-0.000000	3071	0.000000
3072	0.000000	3072	0.000000
3073	0.000000	3073	0.000119
3074	-0.000000	3074	0.000000
3075	-0.000000	3075	0.000000
3076	-0.000000	3076	0.000000
3077	-0.000000	3077	0.000000
3078	-0.000000	3078	0.000000
3079	2076.532305	3079	0.000000
3080	-0.000000	3080	0.000000
3081	-0.000000	3081	0.000000
3082	1700.000000	3082	0.000000
3083	376.532305	3083	0.000000
3084	-0.000000	3084	0.000000
3085	-0.000000	3085	0.000000
3086	0.000000	3086	0.000300
3087	0.000000	3087	0.001800
3088	-0.000000	3088	0.000000
3089	0.000000	3089	0.000113
3090	0.000000	3090	0.000128
3091	0.000000	3091	0.000128
3092	-0.000000	3092	0.000000
3093	139.694913	3093	0.000000
3094	139.694913	3094	0.000000
3095	0.000000	3095	0.031884
3096	0.000000	3096	0.031884
3097	0.000000	3097	0.031884
3098	0.000000	3098	0.031884
3099	0.000000	3099	0.031884

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Coordenada x	Valor x	Coordenada z	Valor z
3100	0.000000	3100	0.035984
3101	0.000000	3101	0.034678
3102	0.000000	3102	0.031884
3103	0.000000	3103	0.028392
3104	0.000000	3104	0.031884
3105	0.000000	3105	0.031884
3106	0.000000	3106	0.031884
3107	0.000000	3107	0.031884
3108	0.000000	3108	0.033898
3109	0.000000	3109	0.033898
3110	0.000000	3110	0.033898
3111	0.000000	3111	0.033898
3112	0.000000	3112	0.033898
3113	0.000000	3113	0.038898
3114	0.000000	3114	0.036692
3115	0.000000	3115	0.033898
3116	0.000000	3116	0.030406
3117	0.000000	3117	0.033898
3118	0.000000	3118	0.033898
3119	0.000000	3119	0.033898
3120	0.000000	3120	0.033898
3121	0.000000	3121	0.135650
3122	0.000000	3122	0.135650
3123	0.000000	3123	0.135650
3124	0.000000	3124	0.135650
3125	0.000000	3125	0.135650
3126	0.000000	3126	0.090250
3127	0.000000	3127	0.188009
3128	0.000000	3128	0.104450
3129	-0.000000	3129	0.000000
3130	0.000000	3130	0.104450
3131	0.000000	3131	0.104450
3132	0.000000	3132	0.104450
3133	0.000000	3133	0.104450
3134	0.000000	3134	0.145050
3135	0.000000	3135	0.145050
3136	0.000000	3136	0.145050
3137	0.000000	3137	0.145050
3138	0.000000	3138	0.145050
3139	0.000000	3139	0.155150
3140	0.000000	3140	0.147843
3141	0.000000	3141	0.145050
3142	0.000000	3142	0.141557
3143	0.000000	3143	0.145050
3144	0.000000	3144	0.145050
3145	0.000000	3145	0.145050
3146	0.000000	3146	0.145050
3147	0.000000	3147	0.211840
3148	0.000000	3148	0.124516

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Coordenada x	Valor x	Coordenada z	Valor z
3149	0.000000	3149	0.124516
3150	0.000000	3150	0.124516
3151	0.000000	3151	0.124516
3152	0.000000	3152	0.124516
3153	0.000000	3153	0.131316
3154	0.000000	3154	0.224130
3155	0.000000	3155	0.124516
3156	-0.000000	3156	0.000000
3157	0.000000	3157	0.124516
3158	0.000000	3158	0.124516
3159	0.000000	3159	0.124516
3160	0.000000	3160	0.124516
3161	0.000000	3161	0.015400
3162	0.000000	3162	0.015400
3163	0.000000	3163	0.015400
3164	0.000000	3164	0.015400
3165	0.000000	3165	0.015400
3166	0.000000	3166	0.024600
3167	0.000000	3167	0.018194
3168	0.000000	3168	0.015400
3169	0.000000	3169	0.011908
3170	0.000000	3170	0.015400
3171	0.000000	3171	0.015400
3172	0.000000	3172	0.015400
3173	0.000000	3173	0.015400
3174	0.000000	3174	0.008900
3175	0.000000	3175	0.008900
3176	0.000000	3176	0.008900
3177	0.000000	3177	0.008900
3178	0.000000	3178	0.008900
3179	0.000000	3179	0.014300
3180	0.000000	3180	0.011694
3181	0.000000	3181	0.008900
3182	0.000000	3182	0.005408
3183	0.000000	3183	0.008900
3184	0.000000	3184	0.008900
3185	0.000000	3185	0.008900
3186	0.000000	3186	0.008900
3187	0.000000	3187	0.013800
3188	0.000000	3188	0.013800
3189	0.000000	3189	0.013800
3190	0.000000	3190	0.013800
3191	0.000000	3191	0.013800
3192	0.000000	3192	0.030400
3193	0.000000	3193	0.016594
3194	0.000000	3194	0.013800
3195	0.000000	3195	0.010308
3196	0.000000	3196	0.013800
3197	0.000000	3197	0.013800

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Coordenada x	Valor x	Coordenada z	Valor z
3198	0.000000	3198	0.013800
3199	0.000000	3199	0.013800
3200	0.000000	3200	0.000400
3201	0.000000	3201	0.000400
3202	0.000000	3202	0.000400
3203	0.000000	3203	0.000400
3204	0.000000	3204	0.000400
3205	0.000000	3205	0.007615
3206	-0.000000	3206	0.000000
3207	0.000000	3207	0.000400
3208	0.000000	3208	0.000900
3209	0.000000	3209	0.000400
3210	0.000000	3210	0.000400
3211	0.000000	3211	0.000400
3212	0.000000	3212	0.000400
3213	66.285714	3213	0.000000
3214	13.818182	3214	0.000000
3215	5.860750	3215	0.000000
3216	4.307652	3216	0.000000
3217	43.809524	3217	0.000000
3218	0.800000	3218	0.000000
3219	10.337500	3219	0.000000
3220	-0.000000	3220	0.000000
3221	8.270000	3221	0.000000
3222	19.000000	3222	0.000000
3223	-0.000000	3223	0.000000
3224	1.545455	3224	0.000000
3225	5.250000	3225	0.000000
3226	0.000000	3226	0.001400
3227	0.000000	3227	0.001400
3228	0.000000	3228	0.001400
3229	0.000000	3229	0.000242
3230	0.000000	3230	0.073494
3231	0.000000	3231	0.663266
3232	0.000000	3232	0.045500
3233	2.930375	3233	0.000000
3234	0.000000	3234	0.010900
3235	0.000000	3235	0.010900
3236	0.000000	3236	0.010900
3237	0.000000	3237	0.010900
3238	0.000000	3238	0.010900
3239	11.644531	3239	0.000000
3240	0.000000	3240	0.010900
3241	0.000000	3241	0.010900
3242	0.000000	3242	0.010900
3243	0.000000	3243	0.010900
3244	0.000000	3244	0.010900
3245	0.000000	3245	0.010900
3246	0.000000	3246	0.010900

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Coordenada x	Valor x	Coordenada z	Valor z
3247	0.000000	3247	0.125408
3248	0.000000	3248	0.125228
3249	0.000000	3249	0.117303
3250	0.000000	3250	0.017303
3251	0.000000	3251	0.025766
3252	0.000000	3252	0.050830
3253	0.000000	3253	0.048097
3254	45.070000	3254	0.000000
3255	19.775775	3255	0.000000
3256	2.273310	3256	0.000000
3257	0.000000	3257	0.125408
3258	0.000000	3258	0.125228
3259	0.000000	3259	0.117303
3260	0.000000	3260	0.017303
3261	0.000000	3261	0.025766
3262	0.000000	3262	0.050830
3263	0.000000	3263	0.048097
3264	0.000000	3264	0.000000
3265	28.184225	3265	0.000000
3266	0.000000	3266	-0.000000
3267	0.000000	3267	0.125763
3268	0.000000	3268	0.125584
3269	0.000000	3269	0.133358
3270	0.000000	3270	0.024510
3271	0.000000	3271	0.039773
3272	0.000000	3272	0.057937
3273	0.000000	3273	0.055204
3274	0.000000	3274	0.007107
3275	0.000000	3275	0.007107
3276	0.000000	3276	0.007107
3277	0.000000	3277	0.101149
3278	0.000000	3278	0.100970
3279	0.000000	3279	0.093045
3280	0.000000	3280	0.021500
3281	0.000000	3281	0.021500
3282	0.000000	3282	0.044548
3283	0.000000	3283	0.042688
3284	0.000000	3284	0.021500
3285	0.000000	3285	0.021600
3286	0.000000	3286	0.021600
3287	0.000000	3287	0.037576
3288	0.000000	3288	0.037397
3289	0.000000	3289	0.029471
3290	20.937500	3290	0.000000
3291	36.450000	3291	0.000000
3292	0.000000	3292	0.022948
3293	0.000000	3293	0.021087
3294	2.100000	3294	0.000000
3295	7.550000	3295	0.000000

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
3296	7.350000	3296	0.000000
3297	0.000000	3297	0.000000
3298	69.166667	3298	0.000000
3299	0.000000	3299	-0.000000
3300	108.000000	3300	0.000000
3301	74.050000	3301	0.000000
3302	0.000000	3302	0.184668
3303	0.000000	3303	0.184668
3304	0.000000	3304	0.253422
3305	0.000000	3305	0.040903
3306	0.000000	3306	0.060663
3307	0.000000	3307	0.058230
3308	0.000000	3308	0.055497
3309	0.000000	3309	0.011400
3310	0.000000	3310	0.007400
3311	33.846690	3311	0.000000
3312	0.000000	3312	0.000000
3313	0.000000	3313	0.000000
3314	0.000000	3314	0.000000
3315	0.000000	3315	0.000000
3316	0.000000	3316	0.000000
3317	0.000000	3317	0.000000
3318	0.000000	3318	0.000000
3319	12.859488	3319	0.000000
3320	0.000000	3320	0.000000
3321	0.000000	3321	0.000000
3322	0.000000	3322	0.000000
3323	0.000000	3323	0.000000
3324	0.000000	3324	0.000000
3325	9.779156	3325	0.000000
3326	0.000000	3326	0.000000
3327	0.000000	3327	0.000000
3328	0.000000	3328	0.000000
3329	0.000000	3329	0.000000
3330	0.000000	3330	0.000000
3331	0.000000	3331	0.000000
3332	0.000000	3332	0.000000
3333	0.000000	3333	0.000000
3334	-0.000000	3334	0.000000
3335	0.000000	3335	0.000000
3336	-0.000000	3336	0.000000
3337	0.000000	3337	0.000000
3338	0.000000	3338	0.000000
3339	-0.000000	3339	0.000000
3340	-0.000000	3340	0.000000
3341	-0.000000	3341	0.000000
3342	0.936000	3342	0.000000
3343	-0.000000	3343	0.000000
3344	0.000000	3344	0.000000

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
3345	62.522041	3345	0.000000
3346	0.000000	3346	0.000000
3347	2.091541	3347	0.000000
3348	2.135782	3348	0.000000
3349	0.000000	3349	0.000000
3350	0.000000	3350	0.000000
3351	-0.000000	3351	0.000000
3352	7.895453	3352	0.000000
3353	-0.000000	3353	0.000000
3354	7.520734	3354	0.000000
3355	-0.000000	3355	0.000000
3356	-0.000000	3356	0.000000
3357	0.000000	3357	0.000000
3358	0.000000	3358	0.000000
3359	0.000000	3359	0.000000
3360	0.000000	3360	0.000000
3361	-0.000000	3361	0.000000
3362	-0.000000	3362	0.000000
3363	-0.000000	3363	0.000000
3364	-0.000000	3364	0.000000
3365	-0.000000	3365	0.000000
3366	-0.000000	3366	0.000000
3367	-0.000000	3367	0.000000
3368	-0.000000	3368	0.000000
3369	-0.000000	3369	0.000000
3370	-0.000000	3370	0.000000
3371	50.826983	3371	0.000000
3372	0.091553	3372	0.000000
3373	-0.000000	3373	0.000000
3374	3.242570	3374	0.000000
3375	2.790000	3375	0.000000
3376	18.590755	3376	0.000000
3377	1.374514	3377	0.000000
3378	-0.000000	3378	0.000000
3379	2.284808	3379	0.000000
3380	-0.000000	3380	0.000000
3381	-0.000000	3381	0.000000
3382	-0.000000	3382	0.000000
3383	-0.000000	3383	0.000000
3384	-0.000000	3384	0.000000
3385	1.050073	3385	0.000000
3386	0.253427	3386	0.000000
3387	-0.000000	3387	0.000000
3388	0.910000	3388	0.000000
3389	0.237293	3389	0.000000
3390	-0.000000	3390	0.000000
3391	-0.000000	3391	0.000000
3392	-0.000000	3392	0.000000
3393	-0.000000	3393	0.000000

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
3394	-0.000000	3394	0.000000
3395	4.183307	3395	0.000000
3396	0.720000	3396	0.000000
3397	0.703125	3397	0.000000
3398	0.512236	3398	0.000000
3399	0.073242	3399	0.000000
3400	1.420650	3400	0.000000
3401	0.732945	3401	0.000000
3402	0.900000	3402	0.000000
3403	1.370720	3403	0.000000
3404	-0.000000	3404	0.000000
3405	-0.000000	3405	0.000000
3406	1.757544	3406	0.000000
3407	-0.000000	3407	0.000000
3408	-0.000000	3408	0.000000
3409	-0.000000	3409	0.000000
3410	-0.000000	3410	0.000000
3411	-0.000000	3411	0.000000
3412	0.724188	3412	0.000000
3413	0.194944	3413	0.000000
3414	-0.000000	3414	0.000000
3415	0.920000	3415	0.000000
3416	0.148308	3416	0.000000
3417	0.006980	3417	0.000000
3418	-0.000000	3418	0.000000
3419	-0.000000	3419	0.000000
3420	-0.000000	3420	0.000000
3421	-0.000000	3421	0.000000
3422	5.847803	3422	0.000000
3423	1.800000	3423	0.000000
3424	1.406250	3424	0.000000
3425	0.496515	3425	0.000000
3426	0.058594	3426	0.000000
3427	2.310000	3427	0.000000
3428	0.625101	3428	0.000000
3429	0.030000	3429	0.000000
3430	0.229000	3430	0.000000
3431	3.096432	3431	0.000000
3432	-0.000000	3432	0.000000
3433	3.133606	3433	0.000000
3434	-0.000000	3434	0.000000
3435	-0.000000	3435	0.000000
3436	-0.000000	3436	0.000000
3437	-0.000000	3437	0.000000
3438	14.457536	3438	0.000000
3439	0.633969	3439	0.000000
3440	0.149957	3440	0.000000
3441	-0.000000	3441	0.000000
3442	0.920000	3442	0.000000

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
3443	0.092692	3443	0.000000
3444	-0.000000	3444	0.000000
3445	-0.000000	3445	0.000000
3446	0.131411	3446	0.000000
3447	-0.000000	3447	0.000000
3448	-0.000000	3448	0.000000
3449	3.743744	3449	0.000000
3450	0.450000	3450	0.000000
3451	0.562500	3451	0.000000
3452	0.481958	3452	0.000000
3453	0.046875	3453	0.000000
3454	0.825000	3454	0.000000
3455	0.463820	3455	0.000000
3456	-0.000000	3456	0.000000
3457	6.919787	3457	0.000000
3458	1.701336	3458	0.000000
3459	-0.000000	3459	0.000000
3460	1.457491	3460	0.000000
3461	-0.000000	3461	0.000000
3462	-0.000000	3462	0.000000
3463	-0.000000	3463	0.000000
3464	-0.000000	3464	0.000000
3465	15.461050	3465	0.000000
3466	0.384224	3466	0.000000
3467	0.115352	3467	0.000000
3468	-0.000000	3468	0.000000
3469	0.000000	3469	0.000000
3470	0.000000	3470	0.000000
3471	0.000000	3471	0.000000
3472	0.000000	3472	0.000000
3473	0.000000	3473	0.000000
3474	0.000000	3474	0.000000
3475	0.000000	3475	0.000000
3476	8.990529	3476	0.000000
3477	0.000000	3477	0.000000
3478	0.000000	3478	0.000000
3479	0.000000	3479	0.000000
3480	0.000000	3480	0.000000
3481	0.000000	3481	0.000000
3482	0.000000	3482	0.000000
3483	0.000000	3483	0.000000
3484	0.000000	3484	0.000000
3485	0.000000	3485	0.000000
3486	0.000000	3486	0.000000
3487	0.000000	3487	0.000000
3488	0.000000	3488	0.000000
3489	0.000000	3489	0.000000

3 Variáveis Duais (Multiplicadores de Lagrange)

Tabela 2: Variáveis duais do problema BNL2

Coordenada y	Valor y
1	-0.000000
2	-0.000000
3	-0.000000
4	-0.000000
5	-0.000000
6	-0.000000
7	0.883002
8	-0.000000
9	2.854356
10	-0.000000
11	-0.000000
12	26.510467
13	31.246636
14	-0.000000
15	-2.650083
16	-0.000000
17	-0.000000
18	1.993019
19	-0.000000
20	0.296495
21	-0.000000
22	0.307316
23	-0.000000
24	0.140453
25	0.043353
26	-0.000000
27	1.851576
28	-0.074597
29	0.038900
30	0.038900
31	-0.000000
32	-0.000000
33	-0.045948
34	-2.096137
35	-0.000000
36	-0.000000
37	-0.000000
38	-0.023270
39	-0.000000
40	-0.000000
41	-1.293907
42	1.924303
43	-0.640453
44	-1.998900

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Coordenada y	Valor y
45	-1.960000
46	-0.016000
47	-0.000000
48	-0.000000
49	-0.000000
50	5.625986
51	3.365293
52	7.835470
53	7.741442
54	-0.000000
55	-2.172052
56	-0.000000
57	5.012242
58	3.307396
59	14.445145
60	16.145145
61	18.545145
62	12.370825
63	2.116733
64	-2.012024
65	-0.000000
66	-2.012024
67	-2.012024
68	-0.000000
69	-0.000000
70	-0.000000
71	-0.000000
72	-0.000000
73	-7.638011
74	-0.000000
75	-0.000000
76	-9.810063
77	-0.000000
78	7.835470
79	-0.000000
80	-0.182242
81	-2.012024
82	-2.012024
83	-0.000000
84	-0.000000
85	-0.000000
86	-0.000000
87	-0.000000
88	-5.032893
89	-0.667396
90	-0.000000
91	-0.000000
92	-0.000000
93	-0.000000

Continua na próxima página

Coordenada y	Valor y
94	-0.000000
95	-0.000000
96	-0.000000
97	-0.000000
98	-7.638011
99	-0.000000
100	-0.016000
101	-0.000000
102	-1.609951
103	-0.000000
104	-0.000000
105	-0.000000
106	14.347353
107	14.347353
108	12.885584
109	14.275686
110	14.347353
111	14.347353
112	13.472970
113	-0.000000
114	1.194024
115	-0.000000
116	-0.000000
117	10.774956
118	14.023894
119	-0.000000
120	-0.000000
121	-0.000000
122	-0.950831
123	0.864937
124	-0.000000
125	-0.000000
126	-0.781694
127	-0.000000
128	0.270781
129	0.009319
130	-0.000000
131	-0.000000
132	-0.000000
133	-0.398828
134	0.140453
135	0.043353
136	-0.000000
137	0.837441
138	-0.074597
139	0.038900
140	0.038900
141	-0.000000
142	-0.000000

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Coordenada y	Valor y
143	-0.000000
144	-0.045948
145	-0.460300
146	-0.000000
147	-0.000000
148	-0.000000
149	-0.000000
150	-0.010251
151	-0.000000
152	-0.000000
153	-0.346403
154	1.043903
155	-0.007609
156	-0.540753
157	-1.118500
158	-1.079600
159	-0.012100
160	-0.000000
161	2.771194
162	6.296208
163	13.104789
164	9.389508
165	-0.282329
166	-0.000000
167	-0.000000
168	2.468882
169	1.515133
170	7.092453
171	8.123453
172	9.579453
173	4.797175
174	0.969685
175	-9.119809
176	-0.000000
177	-9.119809
178	-9.119809
179	-0.000000
180	-0.000000
181	-0.000000
182	-0.007407
183	-0.000000
184	-3.549452
185	-0.000000
186	-0.017127
187	-38.585688
188	-0.000000
189	13.104789
190	-0.000000
191	-0.000000

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Coordenada y	Valor y
192	-8.979800
193	-9.119809
194	-0.000000
195	-0.000000
196	-0.000000
197	-0.000000
198	-0.000000
199	-1.419607
200	-0.000000
201	-0.000000
202	-0.000000
203	-0.000000
204	-0.000000
205	-0.000000
206	-0.000000
207	-0.000000
208	-0.000000
209	-7.929699
210	-0.000000
211	-0.012100
212	-0.000000
213	-0.000000
214	-1.768186
215	-11.096387
216	-0.000000
217	-3.448017
218	-5.794592
219	-24.049677
220	-7.835070
221	-0.000000
222	-0.000000
223	-0.000000
224	-0.000000
225	-0.000000
226	-0.000000
227	-0.000000
228	-0.000000
229	-0.000000
230	-0.000000
231	0.680108
232	-0.000000
233	-0.000000
234	-0.000000
235	-0.000000
236	-0.000000
237	-0.000000
238	0.957709
239	1.494574
240	-0.000000

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Coordenada y	Valor y
241	-0.000000
242	-0.000000
243	0.714424
244	1.278277
245	-0.000000
246	-0.000000
247	-0.000000
248	5.825393
249	5.648686
250	7.851836
251	7.902336
252	7.701244
253	-0.000000
254	-0.912618
255	-0.000000
256	-2.451347
257	-15.630500
258	-1.353848
259	-0.000000
260	-1.896408
261	-0.000000
262	-0.000000
263	-9.747480
264	-0.000000
265	-0.000000
266	-12.440093
267	-0.000000
268	-0.000000
269	-5.047200
270	-0.000000
271	-0.412000
272	-0.000000
273	-0.000000
274	-2.772500
275	-0.000000
276	-3.325500
277	-0.000000
278	-0.000000
279	-0.186900
280	-0.000000
281	-0.000000
282	-0.000000
283	-0.000000
284	-0.000000
285	-0.332495
286	0.429144
287	-0.000000
288	-0.000000
289	-0.238248

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Coordenada y	Valor y
290	-0.063000
291	0.172476
292	0.008237
293	-0.000000
294	-0.000000
295	-0.000000
296	-0.102139
297	0.140453
298	0.043353
299	-0.000000
300	0.429350
301	-0.074597
302	0.038900
303	0.038900
304	-0.000000
305	-0.000000
306	-0.000000
307	-0.000000
308	-0.000000
309	6.334345
310	-0.000000
311	-0.000000
312	-0.045948
313	-0.294000
314	-0.000000
315	-0.000000
316	-0.000000
317	-0.000000
318	-0.000000
319	-0.000000
320	-0.123252
321	0.546352
322	-0.004847
323	0.007609
324	-0.345053
325	-0.631200
326	-0.592300
327	-0.008800
328	-0.011867
329	1.504460
330	0.848294
331	2.014614
332	2.012004
333	-0.131147
334	-1.753018
335	-0.000000
336	1.340337
337	0.783883
338	3.842203

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Coordenada y	Valor y
339	4.467703
340	5.350703
341	2.416410
342	0.501685
343	-0.504674
344	-0.504674
345	-0.504674
346	-0.504674
347	-0.000000
348	-0.000000
349	-0.000000
350	-0.017367
351	-0.000000
352	-2.009134
353	-0.000000
354	-0.023327
355	-2.069418
356	-0.000000
357	2.014614
358	-0.000000
359	-0.000000
360	-0.504674
361	-0.504674
362	-0.000000
363	-0.058486
364	-0.504674
365	-0.000000
366	-0.000000
367	-1.358136
368	-0.000000
369	-0.000000
370	-0.000000
371	-0.000000
372	-0.000000
373	-0.000000
374	-0.000000
375	-0.000000
376	-0.000000
377	-2.009134
378	-2.009134
379	-0.008800
380	-0.008800
381	-0.000000
382	-4.309555
383	-0.000000
384	-7.628113
385	-149.576867
386	-2.886702
387	-0.000000

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Coordenada y	Valor y
388	-0.000000
389	-0.000000
390	-0.000000
391	-0.000000
392	-0.000000
393	-0.000000
394	-0.000000
395	-0.000000
396	-0.000000
397	-0.000000
398	-0.000000
399	0.434651
400	0.615769
401	-0.000000
402	-0.000000
403	-0.000000
404	-0.000000
405	1.004900
406	-0.000000
407	-0.000000
408	-0.000000
409	-0.000000
410	-0.000000
411	-0.000000
412	-0.000000
413	1.236581
414	0.833380
415	-0.000000
416	-0.000000
417	-0.000000
418	1.932290
419	1.738108
420	0.755490
421	-0.000000
422	-0.000000
423	-0.000000
424	3.776540
425	4.341310
426	3.842895
427	5.076244
428	5.106726
429	4.984797
430	-0.000000
431	-1.111639
432	-0.000000
433	-7.470824
434	-7.383300
435	-5.323720
436	-6.934300

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Coordenada y	Valor y
437	-3.565192
438	-5.908100
439	-0.000000
440	-5.960974
441	-0.000000
442	-12.329009
443	-6.829752
444	-8.731595
445	-164.906458
446	-4.089591
447	-0.000000
448	-0.118000
449	-3.357128
450	-0.000000
451	-1.309700
452	-0.000000
453	-1.570800
454	-0.000000
455	-0.000000
456	-0.025300
457	-0.004700
458	-2.644282
459	-3.556900
460	-1.986972
461	-15.630500
462	-0.522968
463	-0.000000
464	-1.216300
465	-0.000000
466	-0.000000
467	-5.960974
468	-0.000000
469	-0.000000
470	-6.829652
471	-0.000000
472	-0.000000
473	-4.089491
474	-0.000000
475	-0.118000
476	-0.000000
477	-0.000000
478	-2.772500
479	-0.000000
480	-3.325500
481	-0.000000
482	-0.000000
483	-0.123900
484	-0.000000
485	-0.000000

Continua na próxima página

Coordenada y	Valor y
486	-0.000000
487	-0.000000
488	-0.000000
489	-0.085431
490	0.177569
491	-0.000000
492	-0.000000
493	-0.034769
494	-0.000000
495	0.008467
496	0.280364
497	-0.057312
498	-0.000000
499	0.002387
500	0.084946
501	0.004992
502	-0.000000
503	-0.000000
504	-0.000000
505	-0.017841
506	0.140453
507	0.043353
508	-0.000000
509	0.282094
510	-0.074597
511	0.038900
512	0.038900
513	-0.000000
514	-0.000000
515	-0.009319
516	-0.000000
517	3.611387
518	-0.000000
519	4.838474
520	5.555036
521	14.461842
522	1.485107
523	-0.000000
524	1.535235
525	0.002000
526	1.250140
527	-0.000000
528	-0.045948
529	-0.097500
530	-0.000000
531	-0.000000
532	-0.000000
533	-0.000000
534	-0.000000

Continua na próxima página

Coordenada y	Valor y
535	-0.000000
536	-0.083452
537	-0.000000
538	0.391352
539	-0.002387
540	0.004847
541	-0.264253
542	-0.476200
543	-0.437300
544	-0.006200
545	-0.116308
546	0.961231
547	0.572223
548	1.336206
549	1.313040
550	-0.155273
551	-1.630780
552	-0.111377
553	0.856369
554	0.512818
555	2.617080
556	3.008580
557	3.607080
558	1.038271
559	0.328203
560	-0.326327
561	-0.326327
562	-0.326327
563	-0.326327
564	-0.326327
565	-0.000000
566	-0.000000
567	-0.032530
568	-0.000000
569	-1.287558
570	-0.000000
571	-0.048130
572	-1.822680
573	-0.000000
574	1.336206
575	-0.000000
576	-0.000000
577	-0.326327
578	-0.326327
579	-0.326327
580	-0.000000
581	-0.326327
582	-0.000000
583	-0.000000
Continua na próxima página	

Coordenada y	Valor y
584	-0.884092
585	-0.000000
586	-0.000000
587	-0.000000
588	-0.000000
589	-0.000000
590	-0.000000
591	-0.000000
592	-0.000000
593	-0.000000
594	-1.287558
595	-1.287558
596	-0.006200
597	-0.006200
598	-0.000000
599	-7.333012
600	-0.000000
601	-0.000000
602	-0.000000
603	-0.000000
604	1.911587
605	3.416029
606	-0.000000
607	0.335883
608	0.386269
609	-0.000000
610	0.346349
611	0.542675
612	0.117688
613	0.117688
614	-0.000000
615	-0.000000
616	0.200205
617	-0.000000
618	0.117688
619	0.117688
620	0.117688
621	0.117688
622	0.117688
623	0.117688
624	0.552978
625	0.453470
626	0.049225
627	-0.000000
628	-0.000000
629	0.463630
630	0.354467
631	-0.000000
632	-0.000000

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Coordenada y	Valor y
633	-0.000000
634	-0.000000
635	1.137423
636	1.728367
637	1.103116
638	2.068225
639	2.086879
640	2.012720
641	-0.000000
642	-0.452321
643	-0.000000
644	-1.017512
645	-0.985630
646	-1.272232
647	-5.598087
648	-0.211400
649	-1.692700
650	-0.000000
651	-2.454850
652	-12.710432
653	-4.707085
654	-3.143116
655	-4.023464
656	-17.047924
657	-1.694626
658	-0.000000
659	-0.020500
660	-1.264855
661	-0.000000
662	-0.809851
663	-0.000000
664	-1.065869
665	-0.000000
666	-0.000000
667	-0.025300
668	-0.003400
669	-1.157601
670	-1.019100
671	-0.730983
672	-7.383300
673	-0.031900
674	-5.598087
675	-0.211400
676	-0.000000
677	-0.000000
678	-2.454850
679	-0.000000
680	-4.707085
681	-3.143116

Continua na próxima página

Coordenada y	Valor y
682	-4.023464
683	-17.047924
684	-1.694626
685	-0.000000
686	-0.020500
687	-1.264855
688	-0.000000
689	-0.809851
690	-0.000000
691	-1.065869
692	-0.000000
693	-0.000000
694	-0.025300
695	-0.003400
696	-1.157601
697	-3.556900
698	-0.730983
699	-15.630500
700	-0.031900
701	-0.000000
702	-0.211400
703	-0.000000
704	-0.000000
705	-2.454850
706	-0.000000
707	-0.000000
708	-3.143016
709	-0.000000
710	-0.000000
711	-1.694526
712	-0.000000
713	-0.020500
714	-0.000000
715	-0.000000
716	-2.772500
717	-0.000000
718	-3.325500
719	-0.000000
720	-0.000000
721	-0.025300
722	-0.000000
723	-0.000000
724	-0.000000
725	-0.000000
726	-0.000000
727	-0.025674
728	0.086600
729	-0.000000
730	-0.000000
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Coordenada y	Valor y
731	-0.000000
732	-0.016194
733	0.003697
734	0.122405
735	-0.043415
736	-0.000000
737	-0.000000
738	0.001766
739	0.062862
740	0.002553
741	-0.000000
742	-0.000000
743	-0.000000
744	-0.000000
745	0.140453
746	0.043353
747	-0.000000
748	0.190853
749	-0.074597
750	0.038900
751	0.038900
752	-0.000000
753	-0.000000
754	-0.019571
755	-0.000000
756	3.834224
757	-0.000000
758	2.652144
759	2.970211
760	4.581578
761	1.002310
762	-0.000000
763	0.641239
764	0.001939
765	0.754231
766	-0.000000
767	-0.045948
768	-0.018400
769	-0.000000
770	-0.000000
771	-0.000000
772	-0.000000
773	-0.000000
774	-0.000000
775	-0.055552
776	-0.000000
777	0.278852
778	-0.001766
779	0.002387

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Coordenada y	Valor y
780	-0.190853
781	-0.363700
782	-0.324800
783	-0.004300
784	-0.113940
785	0.627220
786	0.201680
787	0.636274
788	0.606228
789	-0.422672
790	-0.719867
791	-0.113034
792	0.558796
793	0.344903
794	1.806169
795	2.048169
796	2.453669
797	0.520767
798	0.220738
799	0.150445
800	-0.000000
801	-0.000000
802	-0.000000
803	-0.000000
804	-0.000000
805	-0.000000
806	-0.033049
807	-0.000000
808	-0.558796
809	-0.000000
810	-0.050149
811	-0.836267
812	-0.000000
813	0.636274
814	-0.000000
815	-0.000000
816	0.227932
817	-0.000000
818	-0.000000
819	-0.549332
820	-0.000000
821	-0.000000
822	-0.000000
823	-0.467483
824	-0.000000
825	-0.000000
826	-0.000000
827	-0.000000
828	-0.000000

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Coordenada y	Valor y
829	-0.000000
830	-0.000000
831	-0.000000
832	-0.000000
833	-0.594726
834	-0.594726
835	-0.004300
836	-0.004300
837	-0.000000
838	-0.000000
839	-0.000000
840	-0.000000
841	1.162862
842	2.800390
843	1.573252
844	0.012294
845	0.270835
846	0.229735
847	-0.000000
848	0.165360
849	0.336690
850	0.072419
851	0.072419
852	0.031900
853	-0.000000
854	0.011195
855	-0.000000
856	0.072419
857	0.072419
858	0.072419
859	0.072419
860	0.072419
861	0.072419
862	0.250753
863	2.094153
864	0.161501
865	0.042169
866	-0.000000
867	-0.000000
868	0.304275
869	0.237737
870	-0.000000
871	-0.000000
872	-0.000000
873	-0.000000
874	0.647675
875	0.850940
876	0.684484
877	1.276863

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Coordenada y	Valor y
878	1.288237
879	1.243196
880	-0.000000
881	-0.000000
882	-0.211816
883	-0.000000
884	-0.311935
885	-0.405777
886	-0.306400
887	-4.179424
888	-0.011195
889	-0.294100
890	-0.000000
891	-0.958263
892	-3.068134
893	-1.512493
894	-1.468909
895	-1.806752
896	-4.168022
897	-0.700632
898	-0.000000
899	-0.002100
900	-0.285569
901	-0.000000
902	-0.362325
903	-0.000000
904	-0.620875
905	-0.000000
906	-0.000000
907	-0.000500
908	-0.002139
909	-0.479010
910	-0.177100
911	-0.311935
912	-0.405777
913	-0.031900
914	-4.179424
915	-0.011195
916	-0.000000
917	-0.000000
918	-0.958263
919	-3.068134
920	-1.512493
921	-1.468909
922	-1.806752
923	-4.168022
924	-0.700632
925	-0.000000
926	-0.002100
Continúa na próxima página	

Coordenada y	Valor y
927	-0.285569
928	-0.000000
929	-0.362325
930	-0.000000
931	-0.620875
932	-0.000000
933	-0.000000
934	-0.000500
935	-0.002139
936	-0.479010
937	-1.019100
938	-0.311935
939	-7.383300
940	-0.031900
941	-4.179424
942	-0.011195
943	-0.000000
944	-0.000000
945	-0.958263
946	-0.000000
947	-1.512493
948	-1.468909
949	-1.806752
950	-4.168022
951	-0.700632
952	-0.000000
953	-0.002100
954	-0.285569
955	-0.000000
956	-0.362325
957	-0.000000
958	-0.620875
959	-0.000000
960	-0.000000
961	-0.000500
962	-0.002139
963	-0.479010
964	-3.556900
965	-0.311935
966	-15.630500
967	-0.031900
968	-0.000000
969	-0.011195
970	-0.000000
971	-0.000000
972	-0.958263
973	-0.000000
974	-0.000000
975	-1.468809

Continua na próxima página

Coordenada y	Valor y
976	-0.000000
977	-0.000000
978	-0.700532
979	-0.000000
980	-0.002100
981	-0.000000
982	-0.000000
983	-2.772500
984	-0.000000
985	-3.325500
986	-0.000000
987	-0.000000
988	-0.000500
989	-0.000000
990	-0.000000
991	-0.000000
992	-0.000000
993	-0.000000
994	-0.011620
995	0.052500
996	-0.000000
997	-0.000000
998	-0.000000
999	-0.000500
1000	0.002800
1001	0.092723
1002	-0.019592
1003	-0.000000
1004	-0.000000
1005	0.001766
1006	0.031272
1007	0.001857
1008	0.000888
1009	-0.000000
1010	-0.000000
1011	-0.000000
1012	0.140453
1013	0.043353
1014	-0.000000
1015	0.118200
1016	-0.074597
1017	0.038900
1018	0.038900
1019	-0.000000
1020	-0.000000
1021	-0.029822
1022	-0.000000
1023	3.024470
1024	-0.000000

Continua na próxima página

Coordenada y	Valor y
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1026	1.419561
1027	1.354241
1028	0.468425
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1030	0.151301
1031	0.001297
1032	0.354316
1033	-0.000000
1034	-0.045948
1035	-0.002000
1036	-0.000000
1037	-0.000000
1038	-0.000000
1039	-0.000000
1040	-0.000000
1041	-0.000000
1042	-0.019091
1043	-0.000000
1044	0.180791
1045	-0.001766
1046	0.001766
1047	-0.118200
1048	-0.278600
1049	-0.239700
1050	-0.002600
1051	-0.071845
1052	0.385959
1053	0.120000
1054	0.384816
1055	0.369525
1056	-0.296263
1057	-0.370135
1058	-0.071553
1059	0.343855
1060	0.213469
1061	1.177294
1062	1.325294
1063	1.600294
1064	0.315833
1065	0.136620
1066	0.094059
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1068	-0.000000
1069	-0.000000
1070	-0.000000
1071	-0.000000
1072	-0.000000
1073	-0.030447

Continua na próxima página

Coordenada y	Valor y
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1076	-0.000000
1077	-0.045627
1078	-0.440735
1079	-0.000000
1080	0.384816
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1082	-0.000000
1083	0.140497
1084	-0.000000
1085	-0.000000
1086	-0.000000
1087	-0.000000
1088	-0.000000
1089	-0.000000
1090	-0.283628
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1092	-0.000000
1093	-0.000000
1094	-0.000000
1095	-0.000000
1096	-0.000000
1097	-0.000000
1098	-0.000000
1099	-0.000000
1100	-0.365964
1101	-0.365964
1102	-0.002600
1103	-0.002600
1104	-0.000000
1105	-29.049707
1106	-0.000000
1107	-0.000000
1108	-0.000000
1109	0.494404
1110	0.703216
1111	0.522664
1112	-0.000000
1113	0.039237
1114	0.024179
1115	-0.000000
1116	0.099685
1117	0.264838
1118	0.041737
1119	0.026479
1120	-0.000000
1121	2.234341
1122	-0.000000

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Coordenada y	Valor y
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1125	0.041737
1126	0.041737
1127	0.041737
1128	0.041737
1129	0.041737
1130	0.169675
1131	1.018055
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1133	0.023042
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1135	-0.000000
1136	-0.000000
1137	-0.000000
1138	-0.000000
1139	-0.000000
1140	-0.000000
1141	-0.000000
1142	0.202571
1143	0.344249
1144	0.210285
1145	0.590924
1146	0.597748
1147	0.570450
1148	-0.000000
1149	-0.000000
1150	-0.124023
1151	-0.000000
1152	-0.041737
1153	-0.040987
1154	-0.000000
1155	-3.060370
1156	-0.010805
1157	-0.030600
1158	-0.000000
1159	-0.192932
1160	-0.332957
1161	-0.211163
1162	-0.459869
1163	-0.542088
1164	-0.579044
1165	-0.243772
1166	-30.624254
1167	-0.000100
1168	-0.000000
1169	-0.000000
1170	-0.129991
1171	-0.000000

Continúa na próxima página

Coordenada y	Valor y
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1173	-0.000000
1174	-0.000000
1175	-0.000000
1176	-0.001297
1177	-0.160900
1178	-0.018400
1179	-0.041737
1180	-0.040987
1181	-0.000000
1182	-3.060370
1183	-0.000000
1184	-0.000000
1185	-0.000000
1186	-0.192932
1187	-0.332957
1188	-0.211163
1189	-0.459869
1190	-0.542088
1191	-0.579044
1192	-0.243772
1193	-0.000000
1194	-0.000100
1195	-0.000000
1196	-0.000000
1197	-0.129991
1198	-0.000000
1199	-0.344790
1200	-0.000000
1201	-0.000000
1202	-0.000000
1203	-0.001297
1204	-0.160900
1205	-0.177100
1206	-0.041737
1207	-0.040987
1208	-0.000000
1209	-3.060370
1210	-0.000000
1211	-0.000000
1212	-0.000000
1213	-0.192932
1214	-0.332957
1215	-0.211163
1216	-0.459869
1217	-0.542088
1218	-0.579044
1219	-0.243772
1220	-0.000000
Continua na próxima página	

Coordenada y	Valor y
1221	-0.000100
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1223	-0.000000
1224	-0.129991
1225	-0.000000
1226	-0.344790
1227	-0.000000
1228	-0.000000
1229	-0.000000
1230	-0.001297
1231	-0.160900
1232	-0.000000
1233	-0.041737
1234	-7.383300
1235	-0.000000
1236	-3.060370
1237	-0.000000
1238	-0.000000
1239	-0.000000
1240	-0.192932
1241	-0.000000
1242	-0.211163
1243	-0.459869
1244	-0.542088
1245	-0.579044
1246	-0.243772
1247	-0.000000
1248	-0.000100
1249	-0.000000
1250	-0.000000
1251	-0.129991
1252	-0.000000
1253	-0.344790
1254	-0.000000
1255	-0.000000
1256	-0.000000
1257	-0.001297
1258	-0.160900
1259	-0.000000
1260	-0.041737
1261	-0.000000
1262	-0.000000
1263	-0.000000
1264	-0.000000
1265	-0.000000
1266	-0.000000
1267	-0.192932
1268	-0.000000
1269	-0.000000

Continúa na próxima página

Coordenada y	Valor y
1270	-0.459769
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1272	-0.000000
1273	-0.243672
1274	-0.000000
1275	-0.000100
1276	-0.000000
1277	-0.000000
1278	-0.000000
1279	-0.000000
1280	-0.000000
1281	-0.000000
1282	-0.000000
1283	-0.000000
1284	-0.000000
1285	-0.000000
1286	-0.000000
1287	-0.000000
1288	-0.000000
1289	-0.004000
1290	0.031900
1291	-0.000000
1292	-0.000000
1293	-0.000000
1294	-0.000000
1295	0.001264
1296	0.041845
1297	-0.010940
1298	-0.000000
1299	-0.000000
1300	0.000510
1301	0.018160
1302	0.000935
1303	-0.000000
1304	-0.000000
1305	-0.000000
1306	-0.000000
1307	0.140453
1308	0.043353
1309	-0.000000
1310	0.071700
1311	-0.074597
1312	0.038900
1313	0.038900
1314	-0.000000
1315	-0.000000
1316	-0.058279
1317	-0.000000
1318	2.232241

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Coordenada y	Valor y
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1321	0.432070
1322	0.406130
1323	0.168175
1324	0.980657
1325	-0.000000
1326	-0.000000
1327	0.000894
1328	0.122923
1329	-0.000000
1330	-0.045948
1331	-0.000100
1332	-0.000000
1333	-0.000000
1334	-0.000000
1335	-0.000000
1336	-0.010205
1337	-0.000000
1338	0.006853
1339	-0.000000
1340	0.109932
1341	-0.000510
1342	0.001766
1343	-0.071700
1344	-0.216600
1345	-0.177700
1346	-0.001600
1347	-0.043513
1348	0.192451
1349	0.061264
1350	0.195229
1351	0.184780
1352	-0.220114
1353	-0.219026
1354	-0.043382
1355	0.207582
1356	0.129484
1357	0.714247
1358	0.803747
1359	0.970747
1360	0.191900
1361	0.082870
1362	0.089415
1363	-0.000000
1364	-0.000000
1365	-0.000000
1366	-0.000000
1367	-0.000000

Continúa na próxima página

Coordenada y	Valor y
1368	-0.000000
1369	-0.018509
1370	-0.001429
1371	-0.168185
1372	-0.000000
1373	-0.028149
1374	-0.261826
1375	-0.000000
1376	0.195229
1377	-0.039397
1378	-0.000000
1379	0.117537
1380	-0.000000
1381	-0.000000
1382	-0.000000
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1386	-0.135731
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1388	-0.000000
1389	-0.000000
1390	-0.000000
1391	-0.000000
1392	-0.000000
1393	-0.000000
1394	-0.000000
1395	-0.000000
1396	-0.180927
1397	-0.180927
1398	-0.001600
1399	-0.001600
1400	-0.000000
1401	-0.000000
1402	-0.000000
1403	-0.000000
1404	0.097617
1405	0.224859
1406	0.109136
1407	-0.000000
1408	-0.000000
1409	-0.000000
1410	-0.000000
1411	0.059264
1412	0.204106
1413	-0.000000
1414	-0.000000
1415	-0.000000
1416	-0.000000

Continúa na próxima página

Coordenada y	Valor y
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1420	-0.000000
1421	-0.000000
1422	0.000100
1423	0.000100
1424	-0.000000
1425	0.000100
1426	0.052301
1427	-0.000000
1428	0.059264
1429	0.204106
1430	0.000617
1431	-0.000000
1432	-0.000000
1433	-0.000000
1434	0.000154
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1436	-0.000000
1437	-0.000000
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1439	-0.000000
1440	-0.000000
1441	0.004550
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1443	-0.000000
1444	-0.000000
1445	-0.000000
1446	-0.000000
1447	-0.000000
1448	-0.000000
1449	-0.001900
1450	-0.000100
1451	-0.001300
1452	-0.001900
1453	-0.000000
1454	-0.000000
1455	-0.000000
1456	-0.000000
1457	-0.000100
1458	-0.003797
1459	-0.000000
1460	-0.000100
1461	-0.186502
1462	-0.000000
1463	-0.000600
1464	-0.000000
1465	-0.077043

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Coordenada y	Valor y
1466	-0.000000
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1468	-0.000000
1469	-0.000000
1470	-0.000000
1471	-0.000894
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1473	-0.001100
1474	-0.000000
1475	-0.000000
1476	-0.000000
1477	-0.000100
1478	-0.000000
1479	-0.000000
1480	-0.000000
1481	-0.000000
1482	-0.000000
1483	-0.000000
1484	-0.000100
1485	-0.003797
1486	-0.000000
1487	-0.000100
1488	-0.186502
1489	-0.000000
1490	-0.000000
1491	-0.000000
1492	-0.077043
1493	-0.000000
1494	-0.265338
1495	-0.000000
1496	-0.000000
1497	-0.000000
1498	-0.000894
1499	-0.000000
1500	-0.018400
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1502	-0.000000
1503	-0.000000
1504	-0.000100
1505	-0.000000
1506	-0.000000
1507	-0.000000
1508	-0.000000
1509	-0.000000
1510	-0.000000
1511	-0.000100
1512	-0.003797
1513	-0.000000
1514	-0.000100

Continúa na próxima página

Coordenada y	Valor y
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1517	-0.000000
1518	-0.000000
1519	-0.077043
1520	-0.000000
1521	-0.265338
1522	-0.000000
1523	-0.000000
1524	-0.000000
1525	-0.000894
1526	-0.000000
1527	-0.000000
1528	-0.000000
1529	-0.000000
1530	-0.000000
1531	-0.000100
1532	-0.000000
1533	-0.000000
1534	-0.000000
1535	-0.000000
1536	-0.000000
1537	-0.000000
1538	-0.000100
1539	-0.003797
1540	-0.000000
1541	-0.000100
1542	-0.000000
1543	-0.000000
1544	-0.000000
1545	-0.000000
1546	-0.077043
1547	-0.000000
1548	-0.265338
1549	-0.000000
1550	-0.000000
1551	-0.000000
1552	-0.000894
1553	-0.000000
1554	-0.000000
1555	-0.000000
1556	-0.000000
1557	-0.000000
1558	-0.000100
1559	-0.000000
1560	-0.000000
1561	-0.000000
1562	-0.000000
1563	-0.000000

Continúa na próxima página

Coordenada y	Valor y
1564	-0.000000
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1566	-0.003797
1567	-0.000000
1568	-0.000100
1569	-0.000000
1570	-0.000000
1571	-0.000000
1572	-0.000000
1573	-0.077043
1574	-0.000000
1575	-0.265338
1576	-0.000000
1577	-0.000000
1578	-0.000000
1579	-0.000894
1580	-0.000000
1581	-0.000000
1582	-0.000000
1583	-0.000000
1584	-0.000000
1585	0.013225
1586	-0.000000
1587	0.005667
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1589	-0.000000
1590	0.000706
1591	0.023364
1592	-0.000000
1593	-0.000000
1594	-0.000000
1595	-0.000000
1596	0.007107
1597	-0.000000
1598	-0.000000
1599	0.000064
1600	-0.000000
1601	-0.000000
1602	0.140453
1603	0.043353
1604	-0.000000
1605	0.050100
1606	-0.074597
1607	0.038900
1608	0.038900
1609	-0.000000
1610	-0.000000
1611	-0.099286
1612	-0.000000

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Coordenada y	Valor y
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1615	-0.000000
1616	0.002957
1617	-0.000000
1618	-0.000000
1619	0.044701
1620	-0.000000
1621	-0.000000
1622	0.000617
1623	-0.000000
1624	-0.000000
1625	-0.045948
1626	-0.000000
1627	-0.000000
1628	-0.000000
1629	-0.000000
1630	-0.000000
1631	-0.028852
1632	-0.000000
1633	0.001496
1634	-0.000572
1635	0.084276
1636	-0.000000
1637	0.000510
1638	-0.050100
1639	-0.131400
1640	-0.131400
1641	-0.001000
1642	-0.033584
1643	0.023358
1644	0.008415
1645	0.024405
1646	0.023884
1647	-0.250907
1648	-0.011417
1649	-0.033475
1650	0.127464
1651	0.079852
1652	0.530018
1653	0.584518
1654	0.685518
1655	0.113855
1656	0.051105
1657	0.161918
1658	-0.000000
1659	-0.000000
1660	-0.000000
1661	-0.023142

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Coordenada y	Valor y
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1664	-0.025797
1665	-0.015517
1666	-0.023300
1667	-0.000000
1668	-0.031677
1669	-0.034961
1670	-0.000000
1671	0.024405
1672	-0.104164
1673	-0.000000
1674	0.151054
1675	-0.000000
1676	-0.000000
1677	-0.000000
1678	-0.000000
1679	-0.055966
1680	-0.000000
1681	-0.012019
1682	-0.000000
1683	-0.000000
1684	-0.000000
1685	-0.000000
1686	-0.000000
1687	-0.000000
1688	-0.000000
1689	-0.000000
1690	-0.000000
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1692	-0.000000
1693	-0.001000
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1695	-0.000000
1696	-0.000000
1697	-0.000000
1698	-0.000000
1699	-0.000000
1700	-0.000000
1701	-0.000000
1702	-0.000000
1703	-0.000000
1704	-0.000000
1705	-0.000000
1706	-0.000000
1707	-0.000000
1708	-0.000000
1709	-0.000000
1710	-0.000000

Continúa na próxima página

Coordenada y	Valor y
1711	-0.000000
1712	-0.000000
1713	-0.000000
1714	-0.000000
1715	-0.000000
1716	-0.000000
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1718	-0.000000
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1723	-0.000000
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1729	-0.000000
1730	-0.000000
1731	-0.000000
1732	-0.000000
1733	-0.000000
1734	-0.000000
1735	-0.000000
1736	-0.000000
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1941	0.013925
1942	-0.177820
1943	-0.006831
1944	-0.013421
1945	0.013600
1946	0.042863
1947	0.384550
1948	0.417550
1949	0.478550
1950	0.066601
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Coordenada y	Valor y
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Coordenada y	Valor y
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2196	0.000372
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2204	0.035634
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2206	-0.074597
2207	0.038900
2208	0.038900
2209	-0.000000
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2226	-0.045948
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2234	0.004570
2235	-0.000000
2236	0.040330
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2239	-0.024300
2240	-0.072000
2241	-0.072000
2242	-0.000400
2243	-0.140453
2244	-0.043353
2245	-0.000000
2246	-0.038900
2247	-0.038900
2248	-0.000000
2249	-0.000000

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Coordenada y	Valor y
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2254	-0.000000
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2257	0.003934
2258	0.008577
2259	0.008398
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2261	-0.004151
2262	-0.008971
2263	0.008200
2264	0.029058
2265	0.246315
2266	0.266315
2267	0.303315
2268	0.046813
2269	0.018597
2270	0.080766
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4 Observações

- O solver HiGHS foi configurado com o método IPM (Interior Point Method).
- Este arquivo contém a solução detalhada para o problema BNL2.
- As variáveis duais representam os multiplicadores de Lagrange das restrições.
- Os custos reduzidos (z) indicam o impacto de forçar variáveis não-básicas na base.