

Solução do Problema wood1p - Solver HiGHS

Análise Computacional

17 de setembro de 2025

1 Informações do Problema

Informações do Problema:

- Nome: wood1p
- Número de Variáveis: 2594
- Número de Restrições: 244
- Inviabilidade Primal: 0.000e+00
- Inviabilidade Dual: 1.332e-15
- Valor Primal: 1.443e+00
- Valor Dual: 1.443e+00
- Gap: 3.960e-17
- Número de Iterações: 27

2 Variáveis Primais e Custos Reduzidos

Tabela 1: Variáveis primais e custos reduzidos do problema wood1p

Coordenada x	Valor x	Coordenada z	Valor z
1	-0.000000	1	0.000000
2	0.000000	2	0.850939
3	0.000000	3	2.447238
4	0.000000	4	2.216219
5	0.000000	5	3.398909
6	0.000000	6	4.642249
7	0.000000	7	7.291039
8	0.000000	8	8.400220
9	0.000000	9	3.047174
10	0.000000	10	4.630300
11	0.000000	11	4.549386
12	0.000000	12	5.600220

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Coordenada x	Valor x	Coordenada z	Valor z
13	0.000000	13	10.299116
14	0.000000	14	4.301383
15	0.000000	15	38.974612
16	0.000000	16	41.984151
17	0.000000	17	43.064383
18	0.000000	18	38.974612
19	0.000000	19	39.151129
20	0.000000	20	40.275255
21	0.000000	21	44.970079
22	0.000000	22	38.974612
23	-0.000000	23	0.000000
24	0.000000	24	0.871291
25	0.000000	25	1.844937
26	0.000000	26	1.613918
27	0.000000	27	2.796609
28	0.000000	28	4.039949
29	0.000000	29	6.688739
30	0.000000	30	7.797920
31	0.000000	31	2.444873
32	0.000000	32	4.028000
33	0.000000	33	3.947086
34	0.000000	34	4.997920
35	0.000000	35	9.696816
36	0.000000	36	3.699082
37	0.000000	37	0.000000
38	0.000000	38	3.009540
39	0.000000	39	4.089772
40	0.000000	40	0.000000
41	0.000000	41	0.176518
42	0.000000	42	1.300644
43	0.000000	43	5.995467
44	-0.000000	44	0.000000
45	-0.000000	45	0.000000
46	0.000000	46	0.797896
47	0.000000	47	1.242637
48	0.000000	48	1.011618
49	0.000000	49	2.194309
50	0.000000	50	3.437649
51	0.000000	51	6.086438
52	0.000000	52	7.195620
53	0.000000	53	1.842573
54	0.000000	54	3.425700
55	0.000000	55	3.344786
56	0.000000	56	4.395620
57	0.000000	57	9.094516
58	0.000000	58	3.096782
59	0.000000	59	0.000000
60	0.000000	60	3.009540
61	0.000000	61	4.089772

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Coordenada x	Valor x	Coordenada z	Valor z
62	0.000000	62	0.000000
63	0.000000	63	0.176518
64	0.000000	64	1.300644
65	0.000000	65	5.995467
66	-0.000000	66	0.000000
67	-0.000000	67	0.000000
68	0.000000	68	1.489079
69	0.000000	69	1.682992
70	0.000000	70	0.876511
71	0.000000	71	0.092624
72	0.000000	72	1.558946
73	0.000000	73	3.883270
74	0.000000	74	4.419010
75	0.000000	75	2.021291
76	0.000000	76	0.942897
77	0.000000	77	1.252813
78	0.000000	78	1.619010
79	0.000000	79	6.346483
80	0.000000	80	0.348724
81	0.000000	81	1.008628
82	0.000000	82	3.550152
83	0.000000	83	4.061323
84	0.000000	84	0.461695
85	0.000000	85	0.848447
86	0.000000	86	1.272154
87	0.000000	87	5.995518
88	-0.000000	88	0.000000
89	-0.000000	89	0.000000
90	0.000000	90	1.470965
91	0.000000	91	1.590369
92	0.000000	92	0.783888
93	-0.000000	93	0.000000
94	0.000000	94	1.466323
95	0.000000	95	3.790646
96	0.000000	96	4.326387
97	0.000000	97	1.928667
98	0.000000	98	0.850273
99	0.000000	99	1.160189
100	0.000000	100	1.526387
101	0.000000	101	6.253859
102	0.000000	102	0.256100
103	0.000000	103	1.008628
104	0.000000	104	3.550152
105	0.000000	105	4.061323
106	0.000000	106	0.461695
107	0.000000	107	0.848447
108	0.000000	108	1.272154
109	0.000000	109	5.995518
110	-0.000000	110	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
111	0.000000	111	0.092624
112	0.000000	112	1.573415
113	0.000000	113	1.590369
114	0.000000	114	0.783888
115	-0.000000	115	0.000000
116	0.000000	116	1.466323
117	0.000000	117	3.790646
118	0.000000	118	4.326387
119	0.000000	119	1.928667
120	0.000000	120	0.850273
121	0.000000	121	1.160189
122	0.000000	122	1.526387
123	0.000000	123	6.253859
124	0.000000	124	0.256100
125	0.000000	125	1.008628
126	0.000000	126	3.550152
127	0.000000	127	4.061323
128	0.000000	128	0.461695
129	0.000000	129	0.848447
130	0.000000	130	1.272154
131	0.000000	131	5.995518
132	-0.000000	132	0.000000
133	0.000000	133	246.984457
134	0.000000	134	246.802418
135	0.000000	135	243.858384
136	0.000000	136	246.506851
137	0.000000	137	247.497920
138	0.000000	138	247.935153
139	0.000000	139	246.747750
140	0.000000	140	245.016450
141	0.000000	141	244.903775
142	0.000000	142	245.135153
143	0.000000	143	249.856161
144	0.000000	144	243.858384
145	0.000000	145	2.601390
146	0.000000	146	3.654429
147	0.000000	147	4.067879
148	0.000000	148	1.246236
149	0.000000	149	0.991861
150	0.000000	150	1.278615
151	0.000000	151	5.995555
152	-0.000000	152	0.000000
153	0.000000	153	3.126073
154	0.000000	154	2.944034
155	-0.000000	155	0.000000
156	0.000000	156	2.648467
157	0.000000	157	3.639536
158	0.000000	158	4.076769
159	0.000000	159	2.889366

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Coordenada x	Valor x	Coordenada z	Valor z
160	0.000000	160	1.158066
161	0.000000	161	1.045391
162	0.000000	162	1.276769
163	0.000000	163	5.997778
164	-0.000000	164	0.000000
165	0.000000	165	2.601390
166	0.000000	166	3.654429
167	0.000000	167	4.067879
168	0.000000	168	1.246236
169	0.000000	169	0.991861
170	0.000000	170	1.278615
171	0.000000	171	5.995555
172	-0.000000	172	0.000000
173	0.000000	173	3.126073
174	0.000000	174	2.944034
175	0.000000	175	0.000000
176	0.000000	176	2.648467
177	0.000000	177	3.639536
178	0.000000	178	4.076769
179	0.000000	179	2.889366
180	0.000000	180	1.158066
181	0.000000	181	1.045391
182	0.000000	182	1.276769
183	0.000000	183	5.997778
184	-0.000000	184	0.000000
185	0.000000	185	2.601390
186	0.000000	186	3.654429
187	0.000000	187	4.067879
188	0.000000	188	1.246236
189	0.000000	189	0.991861
190	0.000000	190	1.278615
191	0.000000	191	5.995555
192	-0.000000	192	0.000000
193	0.000000	193	3.971262
194	0.000000	194	3.911610
195	0.000000	195	3.190086
196	0.000000	196	4.914131
197	0.000000	197	4.809816
198	0.000000	198	4.109481
199	0.000000	199	5.158989
200	0.000000	200	3.489184
201	0.000000	201	2.482835
202	0.000000	202	1.309481
203	0.000000	203	5.997795
204	-0.000000	204	0.000000
205	0.000000	205	4.888247
206	0.000000	206	4.817097
207	0.000000	207	4.100660
208	0.000000	208	3.593183

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Coordenada x	Valor x	Coordenada z	Valor z
209	0.000000	209	2.453574
210	0.000000	210	1.311228
211	0.000000	211	5.995589
212	-0.000000	212	0.000000
213	0.000000	213	1.136172
214	0.000000	214	2.278278
215	0.000000	215	3.074049
216	0.000000	216	2.408869
217	0.000000	217	2.798636
218	0.000000	218	2.607295
219	0.000000	219	3.885686
220	0.000000	220	4.902255
221	0.000000	221	3.903832
222	0.000000	222	2.797414
223	0.000000	223	1.461437
224	0.000000	224	2.102255
225	0.000000	225	5.997794
226	-0.000000	226	0.000000
227	0.000000	227	2.579146
228	0.000000	228	3.896616
229	0.000000	229	4.893431
230	0.000000	230	2.759770
231	0.000000	231	1.417675
232	0.000000	232	2.101249
233	0.000000	233	5.995588
234	-0.000000	234	0.000000
235	0.000000	235	1.312584
236	0.000000	236	2.464651
237	0.000000	237	3.074049
238	0.000000	238	2.408869
239	0.000000	239	2.798636
240	0.000000	240	2.607295
241	0.000000	241	3.885686
242	0.000000	242	4.902255
243	0.000000	243	3.903832
244	0.000000	244	2.797414
245	0.000000	245	1.461437
246	0.000000	246	2.102255
247	0.000000	247	5.997794
248	-0.000000	248	0.000000
249	0.000000	249	2.579146
250	0.000000	250	3.896616
251	0.000000	251	4.893431
252	0.000000	252	2.759770
253	0.000000	253	1.417675
254	0.000000	254	2.101249
255	0.000000	255	5.995588
256	-0.000000	256	0.000000
257	0.000000	257	1.488995

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Coordenada x	Valor x	Coordenada z	Valor z
258	0.000000	258	2.608749
259	0.000000	259	3.074049
260	0.000000	260	2.408869
261	0.000000	261	2.798636
262	0.000000	262	2.607295
263	0.000000	263	3.885686
264	0.000000	264	4.902255
265	0.000000	265	3.903832
266	0.000000	266	2.797414
267	0.000000	267	1.461437
268	0.000000	268	2.102255
269	0.000000	269	5.997794
270	-0.000000	270	0.000000
271	0.000000	271	2.579146
272	0.000000	272	3.896616
273	0.000000	273	4.893431
274	0.000000	274	2.759770
275	0.000000	275	1.417675
276	0.000000	276	2.101249
277	0.000000	277	5.995588
278	-0.000000	278	0.000000
279	0.000000	279	1.230330
280	0.000000	280	2.803782
281	0.000000	281	3.786152
282	0.000000	282	3.134454
283	0.000000	283	3.018960
284	0.000000	284	3.036016
285	0.000000	285	4.296428
286	0.000000	286	4.871332
287	0.000000	287	4.666350
288	0.000000	288	2.982703
289	0.000000	289	1.943582
290	0.000000	290	2.071332
291	0.000000	291	5.997818
292	-0.000000	292	0.000000
293	0.000000	293	3.036028
294	0.000000	294	4.304878
295	0.000000	295	4.862606
296	0.000000	296	2.992045
297	0.000000	297	1.909398
298	0.000000	298	2.070398
299	0.000000	299	5.995637
300	-0.000000	300	0.000000
301	0.000000	301	1.324557
302	0.000000	302	2.866596
303	0.000000	303	3.786152
304	0.000000	304	3.134454
305	0.000000	305	3.018960
306	0.000000	306	3.036016

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Coordenada x	Valor x	Coordenada z	Valor z
307	0.000000	307	4.296428
308	0.000000	308	4.871332
309	0.000000	309	4.666350
310	0.000000	310	2.982703
311	0.000000	311	1.943582
312	0.000000	312	2.071332
313	0.000000	313	5.997818
314	-0.000000	314	0.000000
315	0.000000	315	3.036028
316	0.000000	316	4.304878
317	0.000000	317	4.862606
318	0.000000	318	2.992045
319	0.000000	319	1.909398
320	0.000000	320	2.070398
321	0.000000	321	5.995637
322	-0.000000	322	0.000000
323	0.000000	323	1.635501
324	0.000000	324	3.169682
325	0.000000	325	4.002869
326	0.000000	326	3.351171
327	0.000000	327	3.235677
328	0.000000	328	3.252733
329	0.000000	329	4.513145
330	0.000000	330	5.088049
331	0.000000	331	4.883068
332	0.000000	332	3.199421
333	0.000000	333	2.160300
334	0.000000	334	2.288049
335	0.000000	335	6.214536
336	0.000000	336	0.216717
337	0.000000	337	3.724944
338	0.000000	338	4.993794
339	0.000000	339	5.551522
340	0.000000	340	3.680961
341	0.000000	341	2.598314
342	0.000000	342	2.759314
343	0.000000	343	6.684553
344	0.000000	344	0.688916
345	0.000000	345	10.711538
346	0.000000	346	16.748123
347	0.000000	347	16.328469
348	0.000000	348	14.143050
349	0.000000	349	15.726648
350	0.000000	350	16.204194
351	0.000000	351	16.694871
352	0.000000	352	16.924358
353	0.000000	353	14.089641
354	0.000000	354	13.876238
355	0.000000	355	13.894871

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Coordenada x	Valor x	Coordenada z	Valor z
356	0.000000	356	17.821086
357	0.000000	357	11.823250
358	0.000000	358	3.924641
359	0.000000	359	4.388983
360	0.000000	360	4.862968
361	0.000000	361	2.389346
362	0.000000	362	2.020074
363	0.000000	363	2.070696
364	0.000000	364	5.995673
365	-0.000000	365	0.000000
366	-0.000000	366	0.000000
367	0.000000	367	5.443672
368	0.000000	368	5.024018
369	0.000000	369	2.838600
370	0.000000	370	4.422197
371	0.000000	371	4.899743
372	0.000000	372	5.390421
373	0.000000	373	5.619907
374	0.000000	374	2.785191
375	0.000000	375	2.571787
376	0.000000	376	2.590421
377	0.000000	377	6.516635
378	0.000000	378	0.518799
379	0.000000	379	21.162309
380	0.000000	380	21.626651
381	0.000000	381	22.100636
382	0.000000	382	19.627014
383	0.000000	383	19.257743
384	0.000000	384	19.308364
385	0.000000	385	23.233341
386	0.000000	386	17.237668
387	-0.000000	387	0.000000
388	0.000000	388	4.924873
389	0.000000	389	4.505219
390	0.000000	390	2.319801
391	0.000000	391	3.903399
392	0.000000	392	4.380944
393	0.000000	393	4.871622
394	0.000000	394	5.101109
395	0.000000	395	2.266392
396	0.000000	396	2.052988
397	0.000000	397	2.071622
398	0.000000	398	5.997836
399	-0.000000	399	0.000000
400	0.000000	400	3.924641
401	0.000000	401	4.388983
402	0.000000	402	4.862968
403	0.000000	403	2.389346
404	0.000000	404	2.020074

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Coordenada x	Valor x	Coordenada z	Valor z
405	0.000000	405	2.070696
406	0.000000	406	5.995673
407	-0.000000	407	0.000000
408	0.000000	408	5.976263
409	0.000000	409	5.457174
410	0.000000	410	5.130053
411	0.000000	411	3.646957
412	0.000000	412	5.606552
413	0.000000	413	5.329393
414	0.000000	414	4.891105
415	0.000000	415	6.555176
416	0.000000	416	2.039207
417	0.000000	417	3.179975
418	0.000000	418	2.091105
419	0.000000	419	5.997853
420	-0.000000	420	0.000000
421	0.000000	421	5.499202
422	0.000000	422	5.332896
423	0.000000	423	4.882516
424	0.000000	424	2.248734
425	0.000000	425	3.161629
426	0.000000	426	2.090137
427	0.000000	427	5.995706
428	-0.000000	428	0.000000
429	-0.000000	429	0.000000
430	0.000000	430	1.465281
431	0.000000	431	1.817881
432	0.000000	432	1.564181
433	0.000000	433	1.937137
434	0.000000	434	1.442759
435	0.000000	435	4.497419
436	0.000000	436	5.411807
437	0.000000	437	2.858204
438	0.000000	438	2.801718
439	0.000000	439	1.506558
440	0.000000	440	2.611807
441	0.000000	441	5.999635
442	-0.000000	442	0.000000
443	0.000000	443	3.788332
444	0.000000	444	6.674850
445	0.000000	445	7.581223
446	0.000000	446	4.974086
447	0.000000	447	3.698315
448	0.000000	448	4.783619
449	0.000000	449	8.170147
450	0.000000	450	2.170878
451	0.000000	451	3.725964
452	0.000000	452	5.203561
453	0.000000	453	5.361013

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Coordenada x	Valor x	Coordenada z	Valor z
454	0.000000	454	5.107313
455	0.000000	455	5.480268
456	0.000000	456	4.985890
457	0.000000	457	8.040550
458	0.000000	458	8.954938
459	0.000000	459	6.401335
460	0.000000	460	6.344849
461	0.000000	461	5.049689
462	0.000000	462	6.154938
463	0.000000	463	9.542766
464	0.000000	464	3.543131
465	0.000000	465	5.764561
466	0.000000	466	8.651080
467	0.000000	467	9.557452
468	0.000000	468	6.950315
469	0.000000	469	5.674545
470	0.000000	470	6.759849
471	0.000000	471	10.146376
472	0.000000	472	4.147107
473	0.000000	473	3.908797
474	0.000000	474	5.361788
475	0.000000	475	5.361013
476	0.000000	476	5.107313
477	0.000000	477	5.480268
478	0.000000	478	4.985890
479	0.000000	479	8.040550
480	0.000000	480	8.954938
481	0.000000	481	6.401335
482	0.000000	482	6.344849
483	0.000000	483	5.049689
484	0.000000	484	6.154938
485	0.000000	485	9.542766
486	0.000000	486	3.543131
487	0.000000	487	5.764561
488	0.000000	488	8.651080
489	0.000000	489	9.557452
490	0.000000	490	6.950315
491	0.000000	491	5.674545
492	0.000000	492	6.759849
493	0.000000	493	10.146376
494	0.000000	494	4.147107
495	0.000000	495	1.596631
496	0.000000	496	3.440333
497	0.000000	497	4.555833
498	0.000000	498	4.181727
499	0.000000	499	4.215562
500	0.000000	500	3.682067
501	0.000000	501	6.552912
502	0.000000	502	7.213970

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Coordenada x	Valor x	Coordenada z	Valor z
503	0.000000	503	5.552314
504	0.000000	504	4.887990
505	0.000000	505	3.628457
506	0.000000	506	4.413970
507	0.000000	507	7.809673
508	0.000000	508	1.810041
509	0.000000	509	2.020413
510	0.000000	510	4.748963
511	0.000000	511	5.402460
512	0.000000	512	3.067345
513	0.000000	513	1.835918
514	0.000000	514	2.604856
515	0.000000	515	5.999266
516	-0.000000	516	0.000000
517	-0.000000	517	0.000000
518	0.000000	518	1.792247
519	0.000000	519	2.745792
520	0.000000	520	2.371686
521	0.000000	521	2.405521
522	0.000000	522	1.872027
523	0.000000	523	4.742871
524	0.000000	524	5.403929
525	0.000000	525	3.742274
526	0.000000	526	3.077949
527	0.000000	527	1.818416
528	0.000000	528	2.603929
529	0.000000	529	5.999633
530	-0.000000	530	0.000000
531	0.000000	531	2.020413
532	0.000000	532	4.748963
533	0.000000	533	5.402460
534	0.000000	534	3.067345
535	0.000000	535	1.835918
536	0.000000	536	2.604856
537	0.000000	537	5.999266
538	-0.000000	538	0.000000
539	0.000000	539	4.835406
540	0.000000	540	6.636931
541	0.000000	541	7.367788
542	0.000000	542	6.993683
543	0.000000	543	7.027518
544	0.000000	544	6.494023
545	0.000000	545	9.364867
546	0.000000	546	10.025925
547	0.000000	547	8.364270
548	0.000000	548	7.699946
549	0.000000	549	6.440413
550	0.000000	550	7.225925
551	0.000000	551	10.621629

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Coordenada x	Valor x	Coordenada z	Valor z
552	0.000000	552	4.621996
553	0.000000	553	7.014656
554	0.000000	554	9.743206
555	0.000000	555	10.396704
556	0.000000	556	8.061588
557	0.000000	557	6.830161
558	0.000000	558	7.599099
559	0.000000	559	10.993509
560	0.000000	560	4.994243
561	-0.000000	561	0.000000
562	-0.000000	562	0.000000
563	0.000000	563	4.500806
564	0.000000	564	4.324257
565	0.000000	565	3.097311
566	0.000000	566	3.678797
567	0.000000	567	5.664539
568	0.000000	568	6.267766
569	0.000000	569	5.031839
570	0.000000	570	3.831040
571	0.000000	571	2.788995
572	0.000000	572	3.467766
573	0.000000	573	6.857762
574	0.000000	574	0.858129
575	0.000000	575	2.894259
576	0.000000	576	4.812386
577	0.000000	577	5.408167
578	0.000000	578	2.703060
579	0.000000	579	1.947631
580	0.000000	580	2.610554
581	0.000000	581	5.999265
582	-0.000000	582	0.000000
583	-0.000000	583	0.000000
584	0.000000	584	0.092873
585	0.000000	585	4.115928
586	0.000000	586	3.939379
587	0.000000	587	2.712433
588	0.000000	588	3.293919
589	0.000000	589	5.279661
590	0.000000	590	5.882888
591	0.000000	591	4.646962
592	0.000000	592	3.446163
593	0.000000	593	2.404117
594	0.000000	594	3.082888
595	0.000000	595	6.472884
596	0.000000	596	0.473252
597	0.000000	597	2.894259
598	0.000000	598	4.812386
599	0.000000	599	5.408167
600	0.000000	600	2.703060

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
601	0.000000	601	1.947631
602	0.000000	602	2.610554
603	0.000000	603	5.999265
604	-0.000000	604	0.000000
605	-0.000000	605	0.000000
606	0.000000	606	0.161016
607	0.000000	607	3.766040
608	0.000000	608	3.589491
609	0.000000	609	2.362545
610	0.000000	610	2.944031
611	0.000000	611	4.929773
612	0.000000	612	5.533000
613	0.000000	613	4.297073
614	0.000000	614	3.096274
615	0.000000	615	2.054228
616	0.000000	616	2.733000
617	0.000000	617	6.122996
618	0.000000	618	0.123363
619	0.000000	619	2.894259
620	0.000000	620	4.812386
621	0.000000	621	5.408167
622	0.000000	622	2.703060
623	0.000000	623	1.947631
624	0.000000	624	2.610554
625	0.000000	625	5.999265
626	-0.000000	626	0.000000
627	0.000000	627	2.246816
628	0.000000	628	5.076373
629	0.000000	629	4.126983
630	0.000000	630	4.014078
631	0.000000	631	3.394575
632	0.000000	632	4.672300
633	0.000000	633	5.405299
634	0.000000	634	5.423029
635	0.000000	635	5.355091
636	0.000000	636	3.195281
637	0.000000	637	2.810151
638	0.000000	638	2.623029
639	0.000000	639	5.999632
640	-0.000000	640	0.000000
641	0.000000	641	4.106645
642	0.000000	642	5.410347
643	0.000000	643	5.421555
644	0.000000	644	2.552777
645	0.000000	645	2.821345
646	0.000000	646	2.623934
647	0.000000	647	5.999263
648	-0.000000	648	0.000000
649	-0.000000	649	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
650	0.000000	650	1.055589
651	0.000000	651	0.974445
652	0.000000	652	0.743426
653	0.000000	653	1.926116
654	0.000000	654	3.169457
655	0.000000	655	5.818246
656	0.000000	656	6.927428
657	0.000000	657	1.574381
658	0.000000	658	3.157508
659	0.000000	659	3.076594
660	0.000000	660	4.127428
661	0.000000	661	8.826324
662	0.000000	662	2.828590
663	0.000000	663	8.739020
664	0.000000	664	11.748560
665	0.000000	665	12.828792
666	0.000000	666	8.739020
667	0.000000	667	8.915538
668	0.000000	668	10.039664
669	0.000000	669	14.734487
670	0.000000	670	8.739020
671	-0.000000	671	0.000000
672	0.000000	672	1.063506
673	0.000000	673	0.879882
674	0.000000	674	0.648863
675	0.000000	675	1.831553
676	0.000000	676	3.074893
677	0.000000	677	5.723683
678	0.000000	678	6.832864
679	0.000000	679	1.479818
680	0.000000	680	3.062944
681	0.000000	681	2.982030
682	0.000000	682	4.032864
683	0.000000	683	8.731760
684	0.000000	684	2.734027
685	0.000000	685	0.000000
686	0.000000	686	3.009540
687	0.000000	687	4.089772
688	0.000000	688	0.000000
689	0.000000	689	0.176518
690	0.000000	690	1.300644
691	0.000000	691	5.995467
692	-0.000000	692	0.000000
693	-0.000000	693	0.000000
694	0.000000	694	1.038826
695	0.000000	695	0.782450
696	0.000000	696	0.551431
697	0.000000	697	1.734121
698	0.000000	698	2.977461

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Coordenada x	Valor x	Coordenada z	Valor z
699	0.000000	699	5.626251
700	0.000000	700	6.735432
701	0.000000	701	1.382386
702	0.000000	702	2.965512
703	0.000000	703	2.884598
704	0.000000	704	3.935432
705	0.000000	705	8.634328
706	0.000000	706	2.636595
707	0.000000	707	0.000000
708	0.000000	708	3.009540
709	0.000000	709	4.089772
710	0.000000	710	0.000000
711	0.000000	711	0.176518
712	0.000000	712	1.300644
713	0.000000	713	5.995467
714	-0.000000	714	0.000000
715	-0.000000	715	0.000000
716	0.000000	716	1.567664
717	0.000000	717	4.661002
718	0.000000	718	3.854520
719	0.000000	719	3.070633
720	0.000000	720	4.536956
721	0.000000	721	6.861279
722	0.000000	722	7.397020
723	0.000000	723	4.999300
724	0.000000	724	3.920906
725	0.000000	725	4.230822
726	0.000000	726	4.597020
727	0.000000	727	9.324492
728	0.000000	728	3.326733
729	0.000000	729	24.770679
730	0.000000	730	27.312203
731	0.000000	731	27.823374
732	0.000000	732	24.223746
733	0.000000	733	24.610498
734	0.000000	734	25.034204
735	0.000000	735	29.757569
736	0.000000	736	23.762051
737	-0.000000	737	0.000000
738	0.000000	738	1.664660
739	0.000000	739	5.041021
740	0.000000	740	4.234539
741	0.000000	741	3.450652
742	0.000000	742	4.916975
743	0.000000	743	7.241298
744	0.000000	744	7.777039
745	0.000000	745	5.379319
746	0.000000	746	4.300925
747	0.000000	747	4.610841

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Coordenada x	Valor x	Coordenada z	Valor z
748	0.000000	748	4.977039
749	0.000000	749	9.704511
750	0.000000	750	3.706752
751	0.000000	751	1.008628
752	0.000000	752	3.550152
753	0.000000	753	4.061323
754	0.000000	754	0.461695
755	0.000000	755	0.848447
756	0.000000	756	1.272154
757	0.000000	757	5.995518
758	-0.000000	758	0.000000
759	-0.000000	759	0.000000
760	0.000000	760	1.525804
761	0.000000	761	5.421040
762	0.000000	762	4.614558
763	0.000000	763	3.830671
764	0.000000	764	5.296994
765	0.000000	765	7.621317
766	0.000000	766	8.157058
767	0.000000	767	5.759338
768	0.000000	768	4.680944
769	0.000000	769	4.990860
770	0.000000	770	5.357058
771	0.000000	771	10.084530
772	0.000000	772	4.086771
773	0.000000	773	1.008628
774	0.000000	774	3.550152
775	0.000000	775	4.061323
776	0.000000	776	0.461695
777	0.000000	777	0.848447
778	0.000000	778	1.272154
779	0.000000	779	5.995518
780	-0.000000	780	0.000000
781	0.000000	781	189.543846
782	0.000000	782	189.361807
783	0.000000	783	186.417773
784	0.000000	784	189.066240
785	0.000000	785	190.057309
786	0.000000	786	190.494542
787	0.000000	787	189.307139
788	0.000000	788	187.575839
789	0.000000	789	187.463163
790	0.000000	790	187.694542
791	0.000000	791	192.415550
792	0.000000	792	186.417773
793	0.000000	793	2.601390
794	0.000000	794	3.654429
795	0.000000	795	4.067879
796	0.000000	796	1.246236

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Coordenada x	Valor x	Coordenada z	Valor z
797	0.000000	797	0.991861
798	0.000000	798	1.278615
799	0.000000	799	5.995555
800	-0.000000	800	0.000000
801	0.000000	801	3.126073
802	0.000000	802	2.944034
803	-0.000000	803	0.000000
804	0.000000	804	2.648467
805	0.000000	805	3.639536
806	0.000000	806	4.076769
807	0.000000	807	2.889366
808	0.000000	808	1.158066
809	0.000000	809	1.045391
810	0.000000	810	1.276769
811	0.000000	811	5.997778
812	0.000000	812	-0.000000
813	0.000000	813	2.601390
814	0.000000	814	3.654429
815	0.000000	815	4.067879
816	0.000000	816	1.246236
817	0.000000	817	0.991861
818	0.000000	818	1.278615
819	0.000000	819	5.995555
820	-0.000000	820	0.000000
821	0.000000	821	3.126073
822	0.000000	822	2.944034
823	-0.000000	823	0.000000
824	0.000000	824	2.648467
825	0.000000	825	3.639536
826	0.000000	826	4.076769
827	0.000000	827	2.889366
828	0.000000	828	1.158066
829	0.000000	829	1.045391
830	0.000000	830	1.276769
831	0.000000	831	5.997778
832	0.000000	832	-0.000000
833	0.000000	833	2.601390
834	0.000000	834	3.654429
835	0.000000	835	4.067879
836	0.000000	836	1.246236
837	0.000000	837	0.991861
838	0.000000	838	1.278615
839	0.000000	839	5.995555
840	-0.000000	840	0.000000
841	0.000000	841	3.971262
842	0.000000	842	3.911610
843	0.000000	843	3.190086
844	0.000000	844	4.914131
845	0.000000	845	4.809816

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Coordenada x	Valor x	Coordenada z	Valor z
846	0.000000	846	4.109481
847	0.000000	847	5.158989
848	0.000000	848	3.489184
849	0.000000	849	2.482835
850	0.000000	850	1.309481
851	0.000000	851	5.997795
852	-0.000000	852	0.000000
853	0.000000	853	4.888247
854	0.000000	854	4.817097
855	0.000000	855	4.100660
856	0.000000	856	3.593183
857	0.000000	857	2.453574
858	0.000000	858	1.311228
859	0.000000	859	5.995589
860	-0.000000	860	0.000000
861	0.000000	861	0.938271
862	0.000000	862	2.144034
863	0.000000	863	3.074049
864	0.000000	864	2.408869
865	0.000000	865	2.798636
866	0.000000	866	2.607295
867	0.000000	867	3.885686
868	0.000000	868	4.902255
869	0.000000	869	3.903832
870	0.000000	870	2.797414
871	0.000000	871	1.461437
872	0.000000	872	2.102255
873	0.000000	873	5.997794
874	-0.000000	874	0.000000
875	0.000000	875	2.579146
876	0.000000	876	3.896616
877	0.000000	877	4.893431
878	0.000000	878	2.759770
879	0.000000	879	1.417675
880	0.000000	880	2.101249
881	0.000000	881	5.995588
882	-0.000000	882	0.000000
883	0.000000	883	0.911461
884	0.000000	884	2.114428
885	0.000000	885	3.074049
886	0.000000	886	2.408869
887	0.000000	887	2.798636
888	0.000000	888	2.607295
889	0.000000	889	3.885686
890	0.000000	890	4.902255
891	0.000000	891	3.903832
892	0.000000	892	2.797414
893	0.000000	893	1.461437
894	0.000000	894	2.102255

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
895	0.000000	895	5.997794
896	-0.000000	896	0.000000
897	0.000000	897	2.579146
898	0.000000	898	3.896616
899	0.000000	899	4.893431
900	0.000000	900	2.759770
901	0.000000	901	1.417675
902	0.000000	902	2.101249
903	0.000000	903	5.995588
904	-0.000000	904	0.000000
905	0.000000	905	0.931697
906	0.000000	906	2.143355
907	0.000000	907	3.074049
908	0.000000	908	2.408869
909	0.000000	909	2.798636
910	0.000000	910	2.607295
911	0.000000	911	3.885686
912	0.000000	912	4.902255
913	0.000000	913	3.903832
914	0.000000	914	2.797414
915	0.000000	915	1.461437
916	0.000000	916	2.102255
917	0.000000	917	5.997794
918	-0.000000	918	0.000000
919	0.000000	919	2.579146
920	0.000000	920	3.896616
921	0.000000	921	4.893431
922	0.000000	922	2.759770
923	0.000000	923	1.417675
924	0.000000	924	2.101249
925	0.000000	925	5.995588
926	-0.000000	926	0.000000
927	0.000000	927	1.024178
928	0.000000	928	2.767540
929	0.000000	929	3.786152
930	0.000000	930	3.134454
931	0.000000	931	3.018960
932	0.000000	932	3.036016
933	0.000000	933	4.296428
934	0.000000	934	4.871332
935	0.000000	935	4.666350
936	0.000000	936	2.982703
937	0.000000	937	1.943582
938	0.000000	938	2.071332
939	0.000000	939	5.997818
940	-0.000000	940	0.000000
941	0.000000	941	3.036028
942	0.000000	942	4.304878
943	0.000000	943	4.862606

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Coordenada x	Valor x	Coordenada z	Valor z
944	0.000000	944	2.992045
945	0.000000	945	1.909398
946	0.000000	946	2.070398
947	0.000000	947	5.995637
948	-0.000000	948	0.000000
949	-0.000000	949	0.000000
950	0.000000	950	1.922240
951	0.000000	951	3.786152
952	0.000000	952	3.134454
953	0.000000	953	3.018960
954	0.000000	954	3.036016
955	0.000000	955	4.296428
956	0.000000	956	4.871332
957	0.000000	957	4.666350
958	0.000000	958	2.982703
959	0.000000	959	1.943582
960	0.000000	960	2.071332
961	0.000000	961	5.997818
962	-0.000000	962	0.000000
963	0.000000	963	3.036028
964	0.000000	964	4.304878
965	0.000000	965	4.862606
966	0.000000	966	2.992045
967	0.000000	967	1.909398
968	0.000000	968	2.070398
969	0.000000	969	5.995637
970	-0.000000	970	0.000000
971	-0.000000	971	0.000000
972	0.000000	972	1.396703
973	0.000000	973	4.810330
974	0.000000	974	4.158632
975	0.000000	975	4.043137
976	0.000000	976	4.060194
977	0.000000	977	5.320606
978	0.000000	978	5.895510
979	0.000000	979	5.690528
980	0.000000	980	4.006881
981	0.000000	981	2.967760
982	0.000000	982	3.095510
983	0.000000	983	7.021996
984	0.000000	984	1.024178
985	0.000000	985	3.724944
986	0.000000	986	4.993794
987	0.000000	987	5.551522
988	0.000000	988	3.680961
989	0.000000	989	2.598314
990	0.000000	990	2.759314
991	0.000000	991	6.684553
992	0.000000	992	0.688916

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Coordenada x	Valor x	Coordenada z	Valor z
993	0.000000	993	28.523520
994	0.000000	994	48.393097
995	0.000000	995	47.973443
996	0.000000	996	45.788024
997	0.000000	997	47.371622
998	0.000000	998	47.849168
999	0.000000	999	48.339845
1000	0.000000	1000	48.569332
1001	0.000000	1001	45.734615
1002	0.000000	1002	45.521212
1003	0.000000	1003	45.539845
1004	0.000000	1004	49.466060
1005	0.000000	1005	43.468224
1006	0.000000	1006	3.924641
1007	0.000000	1007	4.388983
1008	0.000000	1008	4.862968
1009	0.000000	1009	2.389346
1010	0.000000	1010	2.020074
1011	0.000000	1011	2.070696
1012	0.000000	1012	5.995673
1013	-0.000000	1013	0.000000
1014	0.000000	1014	12.194656
1015	0.000000	1015	30.531622
1016	0.000000	1016	30.111968
1017	0.000000	1017	27.926550
1018	0.000000	1018	29.510147
1019	0.000000	1019	29.987693
1020	0.000000	1020	30.478371
1021	0.000000	1021	30.707857
1022	0.000000	1022	27.873141
1023	0.000000	1023	27.659737
1024	0.000000	1024	27.678371
1025	0.000000	1025	31.604585
1026	0.000000	1026	25.606749
1027	0.000000	1027	3.924641
1028	0.000000	1028	4.388983
1029	0.000000	1029	4.862968
1030	0.000000	1030	2.389346
1031	0.000000	1031	2.020074
1032	0.000000	1032	2.070696
1033	0.000000	1033	5.995673
1034	-0.000000	1034	0.000000
1035	-0.000000	1035	0.000000
1036	0.000000	1036	16.804355
1037	0.000000	1037	16.384701
1038	0.000000	1038	14.199283
1039	0.000000	1039	15.782880
1040	0.000000	1040	16.260426
1041	0.000000	1041	16.751104

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1042	0.000000	1042	16.980590
1043	0.000000	1043	14.145873
1044	0.000000	1044	13.932470
1045	0.000000	1045	13.951104
1046	0.000000	1046	17.877318
1047	0.000000	1047	11.879482
1048	0.000000	1048	3.924641
1049	0.000000	1049	4.388983
1050	0.000000	1050	4.862968
1051	0.000000	1051	2.389346
1052	0.000000	1052	2.020074
1053	0.000000	1053	2.070696
1054	0.000000	1054	5.995673
1055	-0.000000	1055	0.000000
1056	0.000000	1056	5.976263
1057	0.000000	1057	5.457174
1058	0.000000	1058	5.130053
1059	0.000000	1059	3.646957
1060	0.000000	1060	5.606552
1061	0.000000	1061	5.329393
1062	0.000000	1062	4.891105
1063	0.000000	1063	6.555176
1064	0.000000	1064	2.039207
1065	0.000000	1065	3.179975
1066	0.000000	1066	2.091105
1067	0.000000	1067	5.997853
1068	-0.000000	1068	0.000000
1069	0.000000	1069	5.499202
1070	0.000000	1070	5.332896
1071	0.000000	1071	4.882516
1072	0.000000	1072	2.248734
1073	0.000000	1073	3.161629
1074	0.000000	1074	2.090137
1075	0.000000	1075	5.995706
1076	-0.000000	1076	0.000000
1077	-0.000000	1077	0.000000
1078	0.000000	1078	1.549998
1079	0.000000	1079	1.817881
1080	0.000000	1080	1.564181
1081	0.000000	1081	1.937137
1082	0.000000	1082	1.442759
1083	0.000000	1083	4.497419
1084	0.000000	1084	5.411807
1085	0.000000	1085	2.858204
1086	0.000000	1086	2.801718
1087	0.000000	1087	1.506558
1088	0.000000	1088	2.611807
1089	0.000000	1089	5.999635
1090	-0.000000	1090	0.000000

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1091	0.000000	1091	1.617454
1092	0.000000	1092	4.503972
1093	0.000000	1093	5.410345
1094	0.000000	1094	2.803208
1095	0.000000	1095	1.527437
1096	0.000000	1096	2.612742
1097	0.000000	1097	5.999269
1098	-0.000000	1098	0.000000
1099	0.000000	1099	3.566984
1100	0.000000	1100	5.126981
1101	0.000000	1101	5.361013
1102	0.000000	1102	5.107313
1103	0.000000	1103	5.480268
1104	0.000000	1104	4.985890
1105	0.000000	1105	8.040550
1106	0.000000	1106	8.954938
1107	0.000000	1107	6.401335
1108	0.000000	1108	6.344849
1109	0.000000	1109	5.049689
1110	0.000000	1110	6.154938
1111	0.000000	1111	9.542766
1112	0.000000	1112	3.543131
1113	0.000000	1113	5.764561
1114	0.000000	1114	8.651080
1115	0.000000	1115	9.557452
1116	0.000000	1116	6.950315
1117	0.000000	1117	5.674545
1118	0.000000	1118	6.759849
1119	0.000000	1119	10.146376
1120	0.000000	1120	4.147107
1121	0.000000	1121	3.612209
1122	0.000000	1122	5.173372
1123	0.000000	1123	5.361013
1124	0.000000	1124	5.107313
1125	0.000000	1125	5.480268
1126	0.000000	1126	4.985890
1127	0.000000	1127	8.040550
1128	0.000000	1128	8.954938
1129	0.000000	1129	6.401335
1130	0.000000	1130	6.344849
1131	0.000000	1131	5.049689
1132	0.000000	1132	6.154938
1133	0.000000	1133	9.542766
1134	0.000000	1134	3.543131
1135	0.000000	1135	5.764561
1136	0.000000	1136	8.651080
1137	0.000000	1137	9.557452
1138	0.000000	1138	6.950315
1139	0.000000	1139	5.674545

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1140	0.000000	1140	6.759849
1141	0.000000	1141	10.146376
1142	0.000000	1142	4.147107
1143	0.000000	1143	0.525796
1144	0.000000	1144	2.492122
1145	0.000000	1145	2.745792
1146	0.000000	1146	2.371686
1147	0.000000	1147	2.405521
1148	0.000000	1148	1.872027
1149	0.000000	1149	4.742871
1150	0.000000	1150	5.403929
1151	0.000000	1151	3.742274
1152	0.000000	1152	3.077949
1153	0.000000	1153	1.818416
1154	0.000000	1154	2.603929
1155	0.000000	1155	5.999633
1156	-0.000000	1156	0.000000
1157	0.000000	1157	2.020413
1158	0.000000	1158	4.748963
1159	0.000000	1159	5.402460
1160	0.000000	1160	3.067345
1161	0.000000	1161	1.835918
1162	0.000000	1162	2.604856
1163	0.000000	1163	5.999266
1164	-0.000000	1164	0.000000
1165	-0.000000	1165	0.000000
1166	0.000000	1166	2.066974
1167	0.000000	1167	2.745792
1168	0.000000	1168	2.371686
1169	0.000000	1169	2.405521
1170	0.000000	1170	1.872027
1171	0.000000	1171	4.742871
1172	0.000000	1172	5.403929
1173	0.000000	1173	3.742274
1174	0.000000	1174	3.077949
1175	0.000000	1175	1.818416
1176	0.000000	1176	2.603929
1177	0.000000	1177	5.999633
1178	-0.000000	1178	0.000000
1179	0.000000	1179	2.020413
1180	0.000000	1180	4.748963
1181	0.000000	1181	5.402460
1182	0.000000	1182	3.067345
1183	0.000000	1183	1.835918
1184	0.000000	1184	2.604856
1185	0.000000	1185	5.999266
1186	-0.000000	1186	0.000000
1187	0.000000	1187	4.096200
1188	0.000000	1188	5.909533

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1189	0.000000	1189	7.367788
1190	0.000000	1190	6.993683
1191	0.000000	1191	7.027518
1192	0.000000	1192	6.494023
1193	0.000000	1193	9.364867
1194	0.000000	1194	10.025925
1195	0.000000	1195	8.364270
1196	0.000000	1196	7.699946
1197	0.000000	1197	6.440413
1198	0.000000	1198	7.225925
1199	0.000000	1199	10.621629
1200	0.000000	1200	4.621996
1201	0.000000	1201	7.014656
1202	0.000000	1202	9.743206
1203	0.000000	1203	10.396704
1204	0.000000	1204	8.061588
1205	0.000000	1205	6.830161
1206	0.000000	1206	7.599099
1207	0.000000	1207	10.993509
1208	0.000000	1208	4.994243
1209	-0.000000	1209	0.000000
1210	-0.000000	1210	0.000000
1211	0.000000	1211	5.314573
1212	0.000000	1212	5.138024
1213	0.000000	1213	3.911078
1214	0.000000	1214	4.492564
1215	0.000000	1215	6.478306
1216	0.000000	1216	7.081533
1217	0.000000	1217	5.845606
1218	0.000000	1218	4.644807
1219	0.000000	1219	3.602761
1220	0.000000	1220	4.281533
1221	0.000000	1221	7.671529
1222	0.000000	1222	1.671896
1223	0.000000	1223	2.894259
1224	0.000000	1224	4.812386
1225	0.000000	1225	5.408167
1226	0.000000	1226	2.703060
1227	0.000000	1227	1.947631
1228	0.000000	1228	2.610554
1229	0.000000	1229	5.999265
1230	-0.000000	1230	0.000000
1231	0.000000	1231	7.317871
1232	0.000000	1232	7.366964
1233	0.000000	1233	12.207944
1234	0.000000	1234	12.031395
1235	0.000000	1235	10.804449
1236	0.000000	1236	11.385935
1237	0.000000	1237	13.371677

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Coordenada x	Valor x	Coordenada z	Valor z
1238	0.000000	1238	13.974904
1239	0.000000	1239	12.738978
1240	0.000000	1240	11.538179
1241	0.000000	1241	10.496133
1242	0.000000	1242	11.174904
1243	0.000000	1243	14.564900
1244	0.000000	1244	8.565268
1245	0.000000	1245	2.894259
1246	0.000000	1246	4.812386
1247	0.000000	1247	5.408167
1248	0.000000	1248	2.703060
1249	0.000000	1249	1.947631
1250	0.000000	1250	2.610554
1251	0.000000	1251	5.999265
1252	-0.000000	1252	0.000000
1253	-0.000000	1253	0.000000
1254	0.000000	1254	0.183087
1255	0.000000	1255	4.550474
1256	0.000000	1256	4.373925
1257	0.000000	1257	3.146979
1258	0.000000	1258	3.728465
1259	0.000000	1259	5.714207
1260	0.000000	1260	6.317434
1261	0.000000	1261	5.081508
1262	0.000000	1262	3.880709
1263	0.000000	1263	2.838663
1264	0.000000	1264	3.517434
1265	0.000000	1265	6.907430
1266	0.000000	1266	0.907798
1267	0.000000	1267	30.316008
1268	0.000000	1268	32.234135
1269	0.000000	1269	32.829915
1270	0.000000	1270	30.124809
1271	0.000000	1271	29.369380
1272	0.000000	1272	30.032303
1273	0.000000	1273	33.421014
1274	0.000000	1274	27.421748
1275	0.000000	1275	2.266883
1276	0.000000	1276	5.076373
1277	0.000000	1277	4.126983
1278	0.000000	1278	4.014078
1279	0.000000	1279	3.394575
1280	0.000000	1280	4.672300
1281	0.000000	1281	5.405299
1282	0.000000	1282	5.423029
1283	0.000000	1283	5.355091
1284	0.000000	1284	3.195281
1285	0.000000	1285	2.810151
1286	0.000000	1286	2.623029

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1287	0.000000	1287	5.999632
1288	-0.000000	1288	0.000000
1289	0.000000	1289	4.106645
1290	0.000000	1290	5.410347
1291	0.000000	1291	5.421555
1292	0.000000	1292	2.552777
1293	0.000000	1293	2.821345
1294	0.000000	1294	2.623934
1295	0.000000	1295	5.999263
1296	-0.000000	1296	0.000000
1297	-0.000000	1297	0.000000
1298	0.000000	1298	1.031947
1299	0.000000	1299	1.280688
1300	0.000000	1300	1.049669
1301	0.000000	1301	2.232360
1302	0.000000	1302	3.475700
1303	0.000000	1303	6.124490
1304	0.000000	1304	7.233671
1305	0.000000	1305	1.880624
1306	0.000000	1306	3.463751
1307	0.000000	1307	3.382837
1308	0.000000	1308	4.433671
1309	0.000000	1309	9.132567
1310	0.000000	1310	3.134833
1311	0.000000	1311	9.019408
1312	0.000000	1312	12.028947
1313	0.000000	1313	13.109179
1314	0.000000	1314	9.019408
1315	0.000000	1315	9.195925
1316	0.000000	1316	10.320051
1317	0.000000	1317	15.014875
1318	0.000000	1318	9.019408
1319	-0.000000	1319	0.000000
1320	0.000000	1320	1.036487
1321	0.000000	1321	1.129080
1322	0.000000	1322	0.898061
1323	0.000000	1323	2.080752
1324	0.000000	1324	3.324092
1325	0.000000	1325	5.972882
1326	0.000000	1326	7.082063
1327	0.000000	1327	1.729016
1328	0.000000	1328	3.312143
1329	0.000000	1329	3.231229
1330	0.000000	1330	4.282063
1331	0.000000	1331	8.980959
1332	0.000000	1332	2.983225
1333	0.000000	1333	0.000000
1334	0.000000	1334	3.009540
1335	0.000000	1335	4.089772

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1336	0.000000	1336	0.000000
1337	0.000000	1337	0.176518
1338	0.000000	1338	1.300644
1339	0.000000	1339	5.995467
1340	-0.000000	1340	0.000000
1341	-0.000000	1341	0.000000
1342	0.000000	1342	0.989962
1343	0.000000	1343	0.976765
1344	0.000000	1344	0.745746
1345	0.000000	1345	1.928437
1346	0.000000	1346	3.171777
1347	0.000000	1347	5.820567
1348	0.000000	1348	6.929748
1349	0.000000	1349	1.576701
1350	0.000000	1350	3.159828
1351	0.000000	1351	3.078914
1352	0.000000	1352	4.129748
1353	0.000000	1353	8.828644
1354	0.000000	1354	2.830910
1355	0.000000	1355	0.000000
1356	0.000000	1356	3.009540
1357	0.000000	1357	4.089772
1358	0.000000	1358	0.000000
1359	0.000000	1359	0.176518
1360	0.000000	1360	1.300644
1361	0.000000	1361	5.995467
1362	-0.000000	1362	0.000000
1363	-0.000000	1363	0.000000
1364	0.000000	1364	1.484442
1365	0.000000	1365	1.953415
1366	0.000000	1366	1.146934
1367	0.000000	1367	0.363046
1368	0.000000	1368	1.829369
1369	0.000000	1369	4.153692
1370	0.000000	1370	4.689433
1371	0.000000	1371	2.291713
1372	0.000000	1372	1.213319
1373	0.000000	1373	1.523235
1374	0.000000	1374	1.889433
1375	0.000000	1375	6.616905
1376	0.000000	1376	0.619146
1377	0.000000	1377	1.008628
1378	0.000000	1378	3.550152
1379	0.000000	1379	4.061323
1380	0.000000	1380	0.461695
1381	0.000000	1381	0.848447
1382	0.000000	1382	1.272154
1383	0.000000	1383	5.995518
1384	-0.000000	1384	0.000000

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1385	-0.000000	1385	0.000000
1386	0.000000	1386	1.601964
1387	0.000000	1387	2.202976
1388	0.000000	1388	1.396495
1389	0.000000	1389	0.612607
1390	0.000000	1390	2.078930
1391	0.000000	1391	4.403253
1392	0.000000	1392	4.938994
1393	0.000000	1393	2.541274
1394	0.000000	1394	1.462880
1395	0.000000	1395	1.772797
1396	0.000000	1396	2.138994
1397	0.000000	1397	6.866467
1398	0.000000	1398	0.868707
1399	0.000000	1399	1.008628
1400	0.000000	1400	3.550152
1401	0.000000	1401	4.061323
1402	0.000000	1402	0.461695
1403	0.000000	1403	0.848447
1404	0.000000	1404	1.272154
1405	0.000000	1405	5.995518
1406	-0.000000	1406	0.000000
1407	-0.000000	1407	0.000000
1408	0.000000	1408	1.565188
1409	0.000000	1409	2.418753
1410	0.000000	1410	1.612272
1411	0.000000	1411	0.828384
1412	0.000000	1412	2.294707
1413	0.000000	1413	4.619030
1414	0.000000	1414	5.154771
1415	0.000000	1415	2.757051
1416	0.000000	1416	1.678657
1417	0.000000	1417	1.988574
1418	0.000000	1418	2.354771
1419	0.000000	1419	7.082244
1420	0.000000	1420	1.084485
1421	0.000000	1421	1.008628
1422	0.000000	1422	3.550152
1423	0.000000	1423	4.061323
1424	0.000000	1424	0.461695
1425	0.000000	1425	0.848447
1426	0.000000	1426	1.272154
1427	0.000000	1427	5.995518
1428	-0.000000	1428	0.000000
1429	0.000000	1429	196.856064
1430	0.000000	1430	196.674025
1431	0.000000	1431	193.729990
1432	0.000000	1432	196.378458
1433	0.000000	1433	197.369527

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Coordenada x	Valor x	Coordenada z	Valor z
1434	0.000000	1434	197.806759
1435	0.000000	1435	196.619356
1436	0.000000	1436	194.888056
1437	0.000000	1437	194.775381
1438	0.000000	1438	195.006759
1439	0.000000	1439	199.727768
1440	0.000000	1440	193.729990
1441	0.000000	1441	2.601390
1442	0.000000	1442	3.654429
1443	0.000000	1443	4.067879
1444	0.000000	1444	1.246236
1445	0.000000	1445	0.991861
1446	0.000000	1446	1.278615
1447	0.000000	1447	5.995555
1448	-0.000000	1448	0.000000
1449	0.000000	1449	3.126073
1450	0.000000	1450	2.944034
1451	-0.000000	1451	0.000000
1452	0.000000	1452	2.648467
1453	0.000000	1453	3.639536
1454	0.000000	1454	4.076769
1455	0.000000	1455	2.889366
1456	0.000000	1456	1.158066
1457	0.000000	1457	1.045391
1458	0.000000	1458	1.276769
1459	0.000000	1459	5.997778
1460	0.000000	1460	-0.000000
1461	0.000000	1461	2.601390
1462	0.000000	1462	3.654429
1463	0.000000	1463	4.067879
1464	0.000000	1464	1.246236
1465	0.000000	1465	0.991861
1466	0.000000	1466	1.278615
1467	0.000000	1467	5.995555
1468	-0.000000	1468	0.000000
1469	0.000000	1469	3.126073
1470	0.000000	1470	2.944034
1471	-0.000000	1471	0.000000
1472	0.000000	1472	2.648467
1473	0.000000	1473	3.639536
1474	0.000000	1474	4.076769
1475	0.000000	1475	2.889366
1476	0.000000	1476	1.158066
1477	0.000000	1477	1.045391
1478	0.000000	1478	1.276769
1479	0.000000	1479	5.997778
1480	0.000000	1480	-0.000000
1481	0.000000	1481	2.601390
1482	0.000000	1482	3.654429

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1483	0.000000	1483	4.067879
1484	0.000000	1484	1.246236
1485	0.000000	1485	0.991861
1486	0.000000	1486	1.278615
1487	0.000000	1487	5.995555
1488	-0.000000	1488	0.000000
1489	0.000000	1489	3.971262
1490	0.000000	1490	3.911610
1491	0.000000	1491	3.190086
1492	0.000000	1492	4.914131
1493	0.000000	1493	4.809816
1494	0.000000	1494	4.109481
1495	0.000000	1495	5.158989
1496	0.000000	1496	3.489184
1497	0.000000	1497	2.482835
1498	0.000000	1498	1.309481
1499	0.000000	1499	5.997795
1500	-0.000000	1500	0.000000
1501	0.000000	1501	4.888247
1502	0.000000	1502	4.817097
1503	0.000000	1503	4.100660
1504	0.000000	1504	3.593183
1505	0.000000	1505	2.453574
1506	0.000000	1506	1.311228
1507	0.000000	1507	5.995589
1508	-0.000000	1508	0.000000
1509	-0.000000	1509	0.000000
1510	0.000000	1510	1.246869
1511	0.000000	1511	3.074049
1512	0.000000	1512	2.408869
1513	0.000000	1513	2.798636
1514	0.000000	1514	2.607295
1515	0.000000	1515	3.885686
1516	0.000000	1516	4.902255
1517	0.000000	1517	3.903832
1518	0.000000	1518	2.797414
1519	0.000000	1519	1.461437
1520	0.000000	1520	2.102255
1521	0.000000	1521	5.997794
1522	-0.000000	1522	0.000000
1523	0.000000	1523	2.579146
1524	0.000000	1524	3.896616
1525	0.000000	1525	4.893431
1526	0.000000	1526	2.759770
1527	0.000000	1527	1.417675
1528	0.000000	1528	2.101249
1529	0.000000	1529	5.995588
1530	-0.000000	1530	0.000000
1531	0.000000	1531	0.078042

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Coordenada x	Valor x	Coordenada z	Valor z
1532	0.000000	1532	1.323779
1533	0.000000	1533	3.074049
1534	0.000000	1534	2.408869
1535	0.000000	1535	2.798636
1536	0.000000	1536	2.607295
1537	0.000000	1537	3.885686
1538	0.000000	1538	4.902255
1539	0.000000	1539	3.903832
1540	0.000000	1540	2.797414
1541	0.000000	1541	1.461437
1542	0.000000	1542	2.102255
1543	0.000000	1543	5.997794
1544	-0.000000	1544	0.000000
1545	0.000000	1545	2.579146
1546	0.000000	1546	3.896616
1547	0.000000	1547	4.893431
1548	0.000000	1548	2.759770
1549	0.000000	1549	1.417675
1550	0.000000	1550	2.101249
1551	0.000000	1551	5.995588
1552	-0.000000	1552	0.000000
1553	0.000000	1553	0.159498
1554	0.000000	1554	1.376560
1555	0.000000	1555	3.074049
1556	0.000000	1556	2.408869
1557	0.000000	1557	2.798636
1558	0.000000	1558	2.607295
1559	0.000000	1559	3.885686
1560	0.000000	1560	4.902255
1561	0.000000	1561	3.903832
1562	0.000000	1562	2.797414
1563	0.000000	1563	1.461437
1564	0.000000	1564	2.102255
1565	0.000000	1565	5.997794
1566	-0.000000	1566	0.000000
1567	0.000000	1567	2.579146
1568	0.000000	1568	3.896616
1569	0.000000	1569	4.893431
1570	0.000000	1570	2.759770
1571	0.000000	1571	1.417675
1572	0.000000	1572	2.101249
1573	0.000000	1573	5.995588
1574	-0.000000	1574	0.000000
1575	0.000000	1575	1.281273
1576	0.000000	1576	3.004328
1577	0.000000	1577	3.786152
1578	0.000000	1578	3.134454
1579	0.000000	1579	3.018960
1580	0.000000	1580	3.036016

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1581	0.000000	1581	4.296428
1582	0.000000	1582	4.871332
1583	0.000000	1583	4.666350
1584	0.000000	1584	2.982703
1585	0.000000	1585	1.943582
1586	0.000000	1586	2.071332
1587	0.000000	1587	5.997818
1588	-0.000000	1588	0.000000
1589	0.000000	1589	3.036028
1590	0.000000	1590	4.304878
1591	0.000000	1591	4.862606
1592	0.000000	1592	2.992045
1593	0.000000	1593	1.909398
1594	0.000000	1594	2.070398
1595	0.000000	1595	5.995637
1596	-0.000000	1596	0.000000
1597	-0.000000	1597	0.000000
1598	0.000000	1598	2.112414
1599	0.000000	1599	3.786152
1600	0.000000	1600	3.134454
1601	0.000000	1601	3.018960
1602	0.000000	1602	3.036016
1603	0.000000	1603	4.296428
1604	0.000000	1604	4.871332
1605	0.000000	1605	4.666350
1606	0.000000	1606	2.982703
1607	0.000000	1607	1.943582
1608	0.000000	1608	2.071332
1609	0.000000	1609	5.997818
1610	-0.000000	1610	0.000000
1611	0.000000	1611	3.036028
1612	0.000000	1612	4.304878
1613	0.000000	1613	4.862606
1614	0.000000	1614	2.992045
1615	0.000000	1615	1.909398
1616	0.000000	1616	2.070398
1617	0.000000	1617	5.995637
1618	-0.000000	1618	0.000000
1619	-0.000000	1619	0.000000
1620	0.000000	1620	1.826667
1621	0.000000	1621	4.970605
1622	0.000000	1622	4.318907
1623	0.000000	1623	4.203412
1624	0.000000	1624	4.220468
1625	0.000000	1625	5.480881
1626	0.000000	1626	6.055785
1627	0.000000	1627	5.850803
1628	0.000000	1628	4.167156
1629	0.000000	1629	3.128035

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1630	0.000000	1630	3.255785
1631	0.000000	1631	7.182271
1632	0.000000	1632	1.184453
1633	0.000000	1633	3.724944
1634	0.000000	1634	4.993794
1635	0.000000	1635	5.551522
1636	0.000000	1636	3.680961
1637	0.000000	1637	2.598314
1638	0.000000	1638	2.759314
1639	0.000000	1639	6.684553
1640	0.000000	1640	0.688916
1641	-0.000000	1641	0.000000
1642	0.000000	1642	5.700003
1643	0.000000	1643	5.280349
1644	0.000000	1644	3.094930
1645	0.000000	1645	4.678528
1646	0.000000	1646	5.156073
1647	0.000000	1647	5.646751
1648	0.000000	1648	5.876238
1649	0.000000	1649	3.041521
1650	0.000000	1650	2.828118
1651	0.000000	1651	2.846751
1652	0.000000	1652	6.772966
1653	0.000000	1653	0.775129
1654	0.000000	1654	104.230595
1655	0.000000	1655	104.694938
1656	0.000000	1656	105.168922
1657	0.000000	1657	102.695301
1658	0.000000	1658	102.326029
1659	0.000000	1659	102.376651
1660	0.000000	1660	106.301628
1661	0.000000	1661	100.305955
1662	0.000000	1662	7.313380
1663	0.000000	1663	12.657314
1664	0.000000	1664	12.237660
1665	0.000000	1665	10.052241
1666	0.000000	1666	11.635839
1667	0.000000	1667	12.113384
1668	0.000000	1668	12.604062
1669	0.000000	1669	12.833549
1670	0.000000	1670	9.998832
1671	0.000000	1671	9.785428
1672	0.000000	1672	9.804062
1673	0.000000	1673	13.730277
1674	0.000000	1674	7.732440
1675	0.000000	1675	3.924641
1676	0.000000	1676	4.388983
1677	0.000000	1677	4.862968
1678	0.000000	1678	2.389346

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1679	0.000000	1679	2.020074
1680	0.000000	1680	2.070696
1681	0.000000	1681	5.995673
1682	-0.000000	1682	0.000000
1683	-0.000000	1683	0.000000
1684	0.000000	1684	4.924873
1685	0.000000	1685	4.505219
1686	0.000000	1686	2.319801
1687	0.000000	1687	3.903399
1688	0.000000	1688	4.380944
1689	0.000000	1689	4.871622
1690	0.000000	1690	5.101109
1691	0.000000	1691	2.266392
1692	0.000000	1692	2.052988
1693	0.000000	1693	2.071622
1694	0.000000	1694	5.997836
1695	-0.000000	1695	0.000000
1696	0.000000	1696	3.924641
1697	0.000000	1697	4.388983
1698	0.000000	1698	4.862968
1699	0.000000	1699	2.389346
1700	0.000000	1700	2.020074
1701	0.000000	1701	2.070696
1702	0.000000	1702	5.995673
1703	-0.000000	1703	0.000000
1704	0.000000	1704	4.927719
1705	0.000000	1705	5.457174
1706	0.000000	1706	5.130053
1707	0.000000	1707	3.646957
1708	0.000000	1708	5.606552
1709	0.000000	1709	5.329393
1710	0.000000	1710	4.891105
1711	0.000000	1711	6.555176
1712	0.000000	1712	2.039207
1713	0.000000	1713	3.179975
1714	0.000000	1714	2.091105
1715	0.000000	1715	5.997853
1716	-0.000000	1716	0.000000
1717	0.000000	1717	5.499202
1718	0.000000	1718	5.332896
1719	0.000000	1719	4.882516
1720	0.000000	1720	2.248734
1721	0.000000	1721	3.161629
1722	0.000000	1722	2.090137
1723	0.000000	1723	5.995706
1724	-0.000000	1724	0.000000
1725	0.000000	1725	0.409715
1726	0.000000	1726	1.934041
1727	0.000000	1727	4.088801

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Coordenada x	Valor x	Coordenada z	Valor z
1728	0.000000	1728	3.835101
1729	0.000000	1729	4.208056
1730	0.000000	1730	3.713678
1731	0.000000	1731	6.768338
1732	0.000000	1732	7.682726
1733	0.000000	1733	5.129123
1734	0.000000	1734	5.072637
1735	0.000000	1735	3.777477
1736	0.000000	1736	4.882726
1737	0.000000	1737	8.270554
1738	0.000000	1738	2.270919
1739	0.000000	1739	1.617454
1740	0.000000	1740	4.503972
1741	0.000000	1741	5.410345
1742	0.000000	1742	2.803208
1743	0.000000	1743	1.527437
1744	0.000000	1744	2.612742
1745	0.000000	1745	5.999269
1746	-0.000000	1746	0.000000
1747	0.000000	1747	1.773599
1748	0.000000	1748	3.299501
1749	0.000000	1749	5.361013
1750	0.000000	1750	5.107313
1751	0.000000	1751	5.480268
1752	0.000000	1752	4.985890
1753	0.000000	1753	8.040550
1754	0.000000	1754	8.954938
1755	0.000000	1755	6.401335
1756	0.000000	1756	6.344849
1757	0.000000	1757	5.049689
1758	0.000000	1758	6.154938
1759	0.000000	1759	9.542766
1760	0.000000	1760	3.543131
1761	0.000000	1761	5.764561
1762	0.000000	1762	8.651080
1763	0.000000	1763	9.557452
1764	0.000000	1764	6.950315
1765	0.000000	1765	5.674545
1766	0.000000	1766	6.759849
1767	0.000000	1767	10.146376
1768	0.000000	1768	4.147107
1769	0.000000	1769	1.859715
1770	0.000000	1770	3.358897
1771	0.000000	1771	5.361013
1772	0.000000	1772	5.107313
1773	0.000000	1773	5.480268
1774	0.000000	1774	4.985890
1775	0.000000	1775	8.040550
1776	0.000000	1776	8.954938

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1777	0.000000	1777	6.401335
1778	0.000000	1778	6.344849
1779	0.000000	1779	5.049689
1780	0.000000	1780	6.154938
1781	0.000000	1781	9.542766
1782	0.000000	1782	3.543131
1783	0.000000	1783	5.764561
1784	0.000000	1784	8.651080
1785	0.000000	1785	9.557452
1786	0.000000	1786	6.950315
1787	0.000000	1787	5.674545
1788	0.000000	1788	6.759849
1789	0.000000	1789	10.146376
1790	0.000000	1790	4.147107
1791	-0.000000	1791	0.000000
1792	0.000000	1792	2.176604
1793	0.000000	1793	2.745792
1794	0.000000	1794	2.371686
1795	0.000000	1795	2.405521
1796	0.000000	1796	1.872027
1797	0.000000	1797	4.742871
1798	0.000000	1798	5.403929
1799	0.000000	1799	3.742274
1800	0.000000	1800	3.077949
1801	0.000000	1801	1.818416
1802	0.000000	1802	2.603929
1803	0.000000	1803	5.999633
1804	-0.000000	1804	0.000000
1805	0.000000	1805	2.020413
1806	0.000000	1806	4.748963
1807	0.000000	1807	5.402460
1808	0.000000	1808	3.067345
1809	0.000000	1809	1.835918
1810	0.000000	1810	2.604856
1811	0.000000	1811	5.999266
1812	-0.000000	1812	0.000000
1813	-0.000000	1813	0.000000
1814	0.000000	1814	2.727785
1815	0.000000	1815	4.761283
1816	0.000000	1816	4.387177
1817	0.000000	1817	4.421012
1818	0.000000	1818	3.887518
1819	0.000000	1819	6.758362
1820	0.000000	1820	7.419420
1821	0.000000	1821	5.757765
1822	0.000000	1822	5.093441
1823	0.000000	1823	3.833907
1824	0.000000	1824	4.619420
1825	0.000000	1825	8.015124

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1826	0.000000	1826	2.015491
1827	0.000000	1827	2.020413
1828	0.000000	1828	4.748963
1829	0.000000	1829	5.402460
1830	0.000000	1830	3.067345
1831	0.000000	1831	1.835918
1832	0.000000	1832	2.604856
1833	0.000000	1833	5.999266
1834	-0.000000	1834	0.000000
1835	0.000000	1835	0.740838
1836	0.000000	1836	2.951558
1837	0.000000	1837	7.367788
1838	0.000000	1838	6.993683
1839	0.000000	1839	7.027518
1840	0.000000	1840	6.494023
1841	0.000000	1841	9.364867
1842	0.000000	1842	10.025925
1843	0.000000	1843	8.364270
1844	0.000000	1844	7.699946
1845	0.000000	1845	6.440413
1846	0.000000	1846	7.225925
1847	0.000000	1847	10.621629
1848	0.000000	1848	4.621996
1849	0.000000	1849	7.014656
1850	0.000000	1850	9.743206
1851	0.000000	1851	10.396704
1852	0.000000	1852	8.061588
1853	0.000000	1853	6.830161
1854	0.000000	1854	7.599099
1855	0.000000	1855	10.993509
1856	0.000000	1856	4.994243
1857	-0.000000	1857	0.000000
1858	0.000000	1858	0.513510
1859	0.000000	1859	3.642676
1860	0.000000	1860	3.466127
1861	0.000000	1861	2.239181
1862	0.000000	1862	2.820667
1863	0.000000	1863	4.806409
1864	0.000000	1864	5.409636
1865	0.000000	1865	4.173710
1866	0.000000	1866	2.972911
1867	0.000000	1867	1.930865
1868	0.000000	1868	2.609636
1869	0.000000	1869	5.999633
1870	-0.000000	1870	0.000000
1871	0.000000	1871	2.894259
1872	0.000000	1872	4.812386
1873	0.000000	1873	5.408167
1874	0.000000	1874	2.703060

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
1875	0.000000	1875	1.947631
1876	0.000000	1876	2.610554
1877	0.000000	1877	5.999265
1878	-0.000000	1878	0.000000
1879	0.000000	1879	32.531050
1880	0.000000	1880	33.187334
1881	0.000000	1881	36.172029
1882	0.000000	1882	35.995480
1883	0.000000	1883	34.768534
1884	0.000000	1884	35.350020
1885	0.000000	1885	37.335762
1886	0.000000	1886	37.938989
1887	0.000000	1887	36.703063
1888	0.000000	1888	35.502264
1889	0.000000	1889	34.460218
1890	0.000000	1890	35.138989
1891	0.000000	1891	38.528985
1892	0.000000	1892	32.529353
1893	0.000000	1893	2.894259
1894	0.000000	1894	4.812386
1895	0.000000	1895	5.408167
1896	0.000000	1896	2.703060
1897	0.000000	1897	1.947631
1898	0.000000	1898	2.610554
1899	0.000000	1899	5.999265
1900	-0.000000	1900	0.000000
1901	-0.000000	1901	0.000000
1902	0.000000	1902	0.831427
1903	0.000000	1903	3.649582
1904	0.000000	1904	3.473033
1905	0.000000	1905	2.246087
1906	0.000000	1906	2.827573
1907	0.000000	1907	4.813315
1908	0.000000	1908	5.416542
1909	0.000000	1909	4.180616
1910	0.000000	1910	2.979817
1911	0.000000	1911	1.937771
1912	0.000000	1912	2.616542
1913	0.000000	1913	6.006538
1914	0.000000	1914	0.006906
1915	0.000000	1915	2.894259
1916	0.000000	1916	4.812386
1917	0.000000	1917	5.408167
1918	0.000000	1918	2.703060
1919	0.000000	1919	1.947631
1920	0.000000	1920	2.610554
1921	0.000000	1921	5.999265
1922	-0.000000	1922	0.000000
1923	-0.000000	1923	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
1924	0.000000	1924	3.152847
1925	0.000000	1925	4.126983
1926	0.000000	1926	4.014078
1927	0.000000	1927	3.394575
1928	0.000000	1928	4.672300
1929	0.000000	1929	5.405299
1930	0.000000	1930	5.423029
1931	0.000000	1931	5.355091
1932	0.000000	1932	3.195281
1933	0.000000	1933	2.810151
1934	0.000000	1934	2.623029
1935	0.000000	1935	5.999632
1936	-0.000000	1936	0.000000
1937	0.000000	1937	24.309250
1938	0.000000	1938	25.612952
1939	0.000000	1939	25.624160
1940	0.000000	1940	22.755382
1941	0.000000	1941	23.023950
1942	0.000000	1942	22.826539
1943	0.000000	1943	26.201868
1944	0.000000	1944	20.202605
1945	0.495227	1945	0.000000
1946	0.000000	1946	1.055688
1947	0.000000	1947	0.231019
1948	-0.000000	1948	0.000000
1949	0.000000	1949	1.182690
1950	0.000000	1950	2.426031
1951	0.000000	1951	5.074820
1952	0.000000	1952	6.184002
1953	0.000000	1953	0.830955
1954	0.000000	1954	2.414082
1955	0.000000	1955	2.333168
1956	0.000000	1956	3.384002
1957	0.000000	1957	8.082898
1958	0.000000	1958	2.085164
1959	-0.000000	1959	0.000000
1960	0.000000	1960	3.009540
1961	0.000000	1961	4.089772
1962	-0.000000	1962	0.000000
1963	0.000000	1963	0.176518
1964	0.000000	1964	1.300644
1965	0.000000	1965	5.995467
1966	0.030334	1966	0.000000
1967	0.000000	1967	0.053228
1968	0.000000	1968	1.111338
1969	0.000000	1969	0.231019
1970	-0.000000	1970	0.000000
1971	0.000000	1971	1.182690
1972	0.000000	1972	2.426031

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Coordenada x	Valor x	Coordenada z	Valor z
1973	0.000000	1973	5.074820
1974	0.000000	1974	6.184002
1975	0.000000	1975	0.830955
1976	0.000000	1976	2.414082
1977	0.000000	1977	2.333168
1978	0.000000	1978	3.384002
1979	0.000000	1979	8.082898
1980	0.000000	1980	2.085164
1981	0.000000	1981	0.000000
1982	0.000000	1982	3.009540
1983	0.000000	1983	4.089772
1984	0.000000	1984	0.000000
1985	0.000000	1985	0.176518
1986	0.000000	1986	1.300644
1987	0.000000	1987	5.995467
1988	-0.000000	1988	0.000000
1989	0.000000	1989	0.125163
1990	0.000000	1990	1.158990
1991	0.000000	1991	0.231019
1992	-0.000000	1992	0.000000
1993	0.000000	1993	1.182690
1994	0.000000	1994	2.426031
1995	0.000000	1995	5.074820
1996	0.000000	1996	6.184002
1997	0.000000	1997	0.830955
1998	0.000000	1998	2.414082
1999	0.000000	1999	2.333168
2000	0.000000	2000	3.384002
2001	0.000000	2001	8.082898
2002	0.000000	2002	2.085164
2003	0.000000	2003	0.000000
2004	0.000000	2004	3.009540
2005	0.000000	2005	4.089772
2006	0.000000	2006	0.000000
2007	0.000000	2007	0.176518
2008	0.000000	2008	1.300644
2009	0.000000	2009	5.995467
2010	-0.000000	2010	0.000000
2011	0.005287	2011	0.000000
2012	0.000000	2012	1.445066
2013	0.000000	2013	1.681611
2014	0.000000	2014	0.875130
2015	0.000000	2015	0.091242
2016	0.000000	2016	1.557565
2017	0.000000	2017	3.881888
2018	0.000000	2018	4.417629
2019	0.000000	2019	2.019909
2020	0.000000	2020	0.941515
2021	0.000000	2021	1.251432

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Coordenada x	Valor x	Coordenada z	Valor z
2022	0.000000	2022	1.617629
2023	0.000000	2023	6.345102
2024	0.000000	2024	0.347343
2025	0.000000	2025	1.008628
2026	0.000000	2026	3.550152
2027	0.000000	2027	4.061323
2028	0.000000	2028	0.461695
2029	0.000000	2029	0.848447
2030	0.000000	2030	1.272154
2031	0.000000	2031	5.995518
2032	0.000721	2032	0.000000
2033	0.007543	2033	0.000000
2034	0.000000	2034	1.425802
2035	0.000000	2035	1.590369
2036	0.000000	2036	0.783888
2037	-0.000000	2037	0.000000
2038	0.000000	2038	1.466323
2039	0.000000	2039	3.790646
2040	0.000000	2040	4.326387
2041	0.000000	2041	1.928667
2042	0.000000	2042	0.850273
2043	0.000000	2043	1.160189
2044	0.000000	2044	1.526387
2045	0.000000	2045	6.253859
2046	0.000000	2046	0.256100
2047	0.000000	2047	1.008628
2048	0.000000	2048	3.550152
2049	0.000000	2049	4.061323
2050	0.000000	2050	0.461695
2051	0.000000	2051	0.848447
2052	0.000000	2052	1.272154
2053	0.000000	2053	5.995518
2054	0.000612	2054	0.000000
2055	0.000000	2055	0.124721
2056	0.000000	2056	1.527426
2057	0.000000	2057	1.590369
2058	0.000000	2058	0.783888
2059	-0.000000	2059	0.000000
2060	0.000000	2060	1.466323
2061	0.000000	2061	3.790646
2062	0.000000	2062	4.326387
2063	0.000000	2063	1.928667
2064	0.000000	2064	0.850273
2065	0.000000	2065	1.160189
2066	0.000000	2066	1.526387
2067	0.000000	2067	6.253859
2068	0.000000	2068	0.256100
2069	0.000000	2069	1.008628
2070	0.000000	2070	3.550152

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
2071	0.000000	2071	4.061323
2072	0.000000	2072	0.461695
2073	0.000000	2073	0.848447
2074	0.000000	2074	1.272154
2075	0.000000	2075	5.995518
2076	-0.000000	2076	0.000000
2077	0.000000	2077	209.891298
2078	0.000000	2078	209.709258
2079	0.000000	2079	206.765224
2080	0.000000	2080	209.413691
2081	0.000000	2081	210.404760
2082	0.000000	2082	210.841993
2083	0.000000	2083	209.654590
2084	0.000000	2084	207.923290
2085	0.000000	2085	207.810615
2086	0.000000	2086	208.041993
2087	0.000000	2087	212.763002
2088	0.000000	2088	206.765224
2089	0.000000	2089	2.601390
2090	0.000000	2090	3.654429
2091	0.000000	2091	4.067879
2092	0.000000	2092	1.246236
2093	0.000000	2093	0.991861
2094	0.000000	2094	1.278615
2095	0.000000	2095	5.995555
2096	-0.000000	2096	0.000000
2097	0.000000	2097	3.126073
2098	0.000000	2098	2.944034
2099	0.000000	2099	0.000000
2100	0.000000	2100	2.648467
2101	0.000000	2101	3.639536
2102	0.000000	2102	4.076769
2103	0.000000	2103	2.889366
2104	0.000000	2104	1.158066
2105	0.000000	2105	1.045391
2106	0.000000	2106	1.276769
2107	0.000000	2107	5.997778
2108	0.000201	2108	0.000000
2109	0.000000	2109	2.601390
2110	0.000000	2110	3.654429
2111	0.000000	2111	4.067879
2112	0.000000	2112	1.246236
2113	0.000000	2113	0.991861
2114	0.000000	2114	1.278615
2115	0.000000	2115	5.995555
2116	0.000027	2116	0.000000
2117	0.000000	2117	3.126073
2118	0.000000	2118	2.944034
2119	0.000000	2119	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2120	0.000000	2120	2.648467
2121	0.000000	2121	3.639536
2122	0.000000	2122	4.076769
2123	0.000000	2123	2.889366
2124	0.000000	2124	1.158066
2125	0.000000	2125	1.045391
2126	0.000000	2126	1.276769
2127	0.000000	2127	5.997778
2128	0.003376	2128	0.000000
2129	0.000000	2129	2.601390
2130	0.000000	2130	3.654429
2131	0.000000	2131	4.067879
2132	0.000000	2132	1.246236
2133	0.000000	2133	0.991861
2134	0.000000	2134	1.278615
2135	0.000000	2135	5.995555
2136	0.000304	2136	0.000000
2137	0.000000	2137	3.971262
2138	0.000000	2138	3.911610
2139	0.000000	2139	3.190086
2140	0.000000	2140	4.914131
2141	0.000000	2141	4.809816
2142	0.000000	2142	4.109481
2143	0.000000	2143	5.158989
2144	0.000000	2144	3.489184
2145	0.000000	2145	2.482835
2146	0.000000	2146	1.309481
2147	0.000000	2147	5.997795
2148	0.000373	2148	0.000000
2149	0.000000	2149	4.888247
2150	0.000000	2150	4.817097
2151	0.000000	2151	4.100660
2152	0.000000	2152	3.593183
2153	0.000000	2153	2.453574
2154	0.000000	2154	1.311228
2155	0.000000	2155	5.995589
2156	0.000014	2156	0.000000
2157	0.000000	2157	1.005448
2158	0.000000	2158	2.198022
2159	0.000000	2159	3.074049
2160	0.000000	2160	2.408869
2161	0.000000	2161	2.798636
2162	0.000000	2162	2.607295
2163	0.000000	2163	3.885686
2164	0.000000	2164	4.902255
2165	0.000000	2165	3.903832
2166	0.000000	2166	2.797414
2167	0.000000	2167	1.461437
2168	0.000000	2168	2.102255

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Coordenada x	Valor x	Coordenada z	Valor z
2169	0.000000	2169	5.997794
2170	0.236778	2170	0.000000
2171	0.000000	2171	2.579146
2172	0.000000	2172	3.896616
2173	0.000000	2173	4.893431
2174	0.000000	2174	2.759770
2175	0.000000	2175	1.417675
2176	0.000000	2176	2.101249
2177	0.000000	2177	5.995588
2178	0.023723	2178	0.000000
2179	0.000000	2179	1.037845
2180	0.000000	2180	2.230659
2181	0.000000	2181	3.074049
2182	0.000000	2182	2.408869
2183	0.000000	2183	2.798636
2184	0.000000	2184	2.607295
2185	0.000000	2185	3.885686
2186	0.000000	2186	4.902255
2187	0.000000	2187	3.903832
2188	0.000000	2188	2.797414
2189	0.000000	2189	1.461437
2190	0.000000	2190	2.102255
2191	0.000000	2191	5.997794
2192	-0.000000	2192	0.000000
2193	0.000000	2193	2.579146
2194	0.000000	2194	3.896616
2195	0.000000	2195	4.893431
2196	0.000000	2196	2.759770
2197	0.000000	2197	1.417675
2198	0.000000	2198	2.101249
2199	0.000000	2199	5.995588
2200	-0.000000	2200	0.000000
2201	0.000000	2201	1.080122
2202	0.000000	2202	2.256788
2203	0.000000	2203	3.074049
2204	0.000000	2204	2.408869
2205	0.000000	2205	2.798636
2206	0.000000	2206	2.607295
2207	0.000000	2207	3.885686
2208	0.000000	2208	4.902255
2209	0.000000	2209	3.903832
2210	0.000000	2210	2.797414
2211	0.000000	2211	1.461437
2212	0.000000	2212	2.102255
2213	0.000000	2213	5.997794
2214	-0.000000	2214	0.000000
2215	0.000000	2215	2.579146
2216	0.000000	2216	3.896616
2217	0.000000	2217	4.893431

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Coordenada x	Valor x	Coordenada z	Valor z
2218	0.000000	2218	2.759770
2219	0.000000	2219	1.417675
2220	0.000000	2220	2.101249
2221	0.000000	2221	5.995588
2222	-0.000000	2222	0.000000
2223	0.000000	2223	1.930940
2224	0.000000	2224	3.448198
2225	0.000000	2225	3.786152
2226	0.000000	2226	3.134454
2227	0.000000	2227	3.018960
2228	0.000000	2228	3.036016
2229	0.000000	2229	4.296428
2230	0.000000	2230	4.871332
2231	0.000000	2231	4.666350
2232	0.000000	2232	2.982703
2233	0.000000	2233	1.943582
2234	0.000000	2234	2.071332
2235	0.000000	2235	5.997818
2236	0.004229	2236	0.000000
2237	0.000000	2237	3.036028
2238	0.000000	2238	4.304878
2239	0.000000	2239	4.862606
2240	0.000000	2240	2.992045
2241	0.000000	2241	1.909398
2242	0.000000	2242	2.070398
2243	0.000000	2243	5.995637
2244	0.000577	2244	0.000000
2245	0.000000	2245	1.998198
2246	0.000000	2246	3.501479
2247	0.000000	2247	3.786152
2248	0.000000	2248	3.134454
2249	0.000000	2249	3.018960
2250	0.000000	2250	3.036016
2251	0.000000	2251	4.296428
2252	0.000000	2252	4.871332
2253	0.000000	2253	4.666350
2254	0.000000	2254	2.982703
2255	0.000000	2255	1.943582
2256	0.000000	2256	2.071332
2257	0.000000	2257	5.997818
2258	0.004316	2258	0.000000
2259	0.000000	2259	3.036028
2260	0.000000	2260	4.304878
2261	0.000000	2261	4.862606
2262	0.000000	2262	2.992045
2263	0.000000	2263	1.909398
2264	0.000000	2264	2.070398
2265	0.000000	2265	5.995637
2266	0.000486	2266	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2267	0.000000	2267	2.306074
2268	0.000000	2268	3.793100
2269	0.000000	2269	4.002869
2270	0.000000	2270	3.351171
2271	0.000000	2271	3.235677
2272	0.000000	2272	3.252733
2273	0.000000	2273	4.513145
2274	0.000000	2274	5.088049
2275	0.000000	2275	4.883068
2276	0.000000	2276	3.199421
2277	0.000000	2277	2.160300
2278	0.000000	2278	2.288049
2279	0.000000	2279	6.214536
2280	0.000000	2280	0.216717
2281	0.000000	2281	3.724944
2282	0.000000	2282	4.993794
2283	0.000000	2283	5.551522
2284	0.000000	2284	3.680961
2285	0.000000	2285	2.598314
2286	0.000000	2286	2.759314
2287	0.000000	2287	6.684553
2288	0.000000	2288	0.688916
2289	0.000000	2289	10.284408
2290	0.000000	2290	15.599234
2291	0.000000	2291	15.179580
2292	0.000000	2292	12.994161
2293	0.000000	2293	14.577759
2294	0.000000	2294	15.055305
2295	0.000000	2295	15.545982
2296	0.000000	2296	15.775469
2297	0.000000	2297	12.940752
2298	0.000000	2298	12.727349
2299	0.000000	2299	12.745982
2300	0.000000	2300	16.672197
2301	0.000000	2301	10.674361
2302	0.000000	2302	3.924641
2303	0.000000	2303	4.388983
2304	0.000000	2304	4.862968
2305	0.000000	2305	2.389346
2306	0.000000	2306	2.020074
2307	0.000000	2307	2.070696
2308	0.000000	2308	5.995673
2309	-0.000000	2309	0.000000
2310	-0.000000	2310	0.000000
2311	0.000000	2311	4.924873
2312	0.000000	2312	4.505219
2313	0.000000	2313	2.319801
2314	0.000000	2314	3.903399
2315	0.000000	2315	4.380944

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Coordenada x	Valor x	Coordenada z	Valor z
2316	0.000000	2316	4.871622
2317	0.000000	2317	5.101109
2318	0.000000	2318	2.266392
2319	0.000000	2319	2.052988
2320	0.000000	2320	2.071622
2321	0.000000	2321	5.997836
2322	0.000161	2322	0.000000
2323	0.000000	2323	3.924641
2324	0.000000	2324	4.388983
2325	0.000000	2325	4.862968
2326	0.000000	2326	2.389346
2327	0.000000	2327	2.020074
2328	0.000000	2328	2.070696
2329	0.000000	2329	5.995673
2330	0.000022	2330	0.000000
2331	0.000000	2331	0.335833
2332	0.000000	2332	4.924873
2333	0.000000	2333	4.505219
2334	0.000000	2334	2.319801
2335	0.000000	2335	3.903399
2336	0.000000	2336	4.380944
2337	0.000000	2337	4.871622
2338	0.000000	2338	5.101109
2339	0.000000	2339	2.266392
2340	0.000000	2340	2.052988
2341	0.000000	2341	2.071622
2342	0.000000	2342	5.997836
2343	0.002046	2343	0.000000
2344	0.000000	2344	3.924641
2345	0.000000	2345	4.388983
2346	0.000000	2346	4.862968
2347	0.000000	2347	2.389346
2348	0.000000	2348	2.020074
2349	0.000000	2349	2.070696
2350	0.000000	2350	5.995673
2351	0.000242	2351	0.000000
2352	0.000000	2352	5.912824
2353	0.000000	2353	5.457174
2354	0.000000	2354	5.130053
2355	0.000000	2355	3.646957
2356	0.000000	2356	5.606552
2357	0.000000	2357	5.329393
2358	0.000000	2358	4.891105
2359	0.000000	2359	6.555176
2360	0.000000	2360	2.039207
2361	0.000000	2361	3.179975
2362	0.000000	2362	2.091105
2363	0.000000	2363	5.997853
2364	0.000135	2364	0.000000

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Coordenada x	Valor x	Coordenada z	Valor z
2365	0.000000	2365	5.499202
2366	0.000000	2366	5.332896
2367	0.000000	2367	4.882516
2368	0.000000	2368	2.248734
2369	0.000000	2369	3.161629
2370	0.000000	2370	2.090137
2371	0.000000	2371	5.995706
2372	0.000010	2372	0.000000
2373	0.131218	2373	0.000000
2374	0.000000	2374	1.548287
2375	0.000000	2375	1.817881
2376	0.000000	2376	1.564181
2377	0.000000	2377	1.937137
2378	0.000000	2378	1.442759
2379	0.000000	2379	4.497419
2380	0.000000	2380	5.411807
2381	0.000000	2381	2.858204
2382	0.000000	2382	2.801718
2383	0.000000	2383	1.506558
2384	0.000000	2384	2.611807
2385	0.000000	2385	5.999635
2386	0.024772	2386	0.000000
2387	0.000000	2387	1.617454
2388	0.000000	2388	4.503972
2389	0.000000	2389	5.410345
2390	0.000000	2390	2.803208
2391	0.000000	2391	1.527437
2392	0.000000	2392	2.612742
2393	0.000000	2393	5.999269
2394	0.020608	2394	0.000000
2395	0.000000	2395	3.574002
2396	0.000000	2396	5.122913
2397	0.000000	2397	5.361013
2398	0.000000	2398	5.107313
2399	0.000000	2399	5.480268
2400	0.000000	2400	4.985890
2401	0.000000	2401	8.040550
2402	0.000000	2402	8.954938
2403	0.000000	2403	6.401335
2404	0.000000	2404	6.344849
2405	0.000000	2405	5.049689
2406	0.000000	2406	6.154938
2407	0.000000	2407	9.542766
2408	0.000000	2408	3.543131
2409	0.000000	2409	5.764561
2410	0.000000	2410	8.651080
2411	0.000000	2411	9.557452
2412	0.000000	2412	6.950315
2413	0.000000	2413	5.674545

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Coordenada x	Valor x	Coordenada z	Valor z
2414	0.000000	2414	6.759849
2415	0.000000	2415	10.146376
2416	0.000000	2416	4.147107
2417	0.000000	2417	3.615529
2418	0.000000	2418	5.149510
2419	0.000000	2419	5.361013
2420	0.000000	2420	5.107313
2421	0.000000	2421	5.480268
2422	0.000000	2422	4.985890
2423	0.000000	2423	8.040550
2424	0.000000	2424	8.954938
2425	0.000000	2425	6.401335
2426	0.000000	2426	6.344849
2427	0.000000	2427	5.049689
2428	0.000000	2428	6.154938
2429	0.000000	2429	9.542766
2430	0.000000	2430	3.543131
2431	0.000000	2431	5.764561
2432	0.000000	2432	8.651080
2433	0.000000	2433	9.557452
2434	0.000000	2434	6.950315
2435	0.000000	2435	5.674545
2436	0.000000	2436	6.759849
2437	0.000000	2437	10.146376
2438	0.000000	2438	4.147107
2439	0.000000	2439	1.022416
2440	0.000000	2440	2.902793
2441	0.000000	2441	2.745792
2442	0.000000	2442	2.371686
2443	0.000000	2443	2.405521
2444	0.000000	2444	1.872027
2445	0.000000	2445	4.742871
2446	0.000000	2446	5.403929
2447	0.000000	2447	3.742274
2448	0.000000	2448	3.077949
2449	0.000000	2449	1.818416
2450	0.000000	2450	2.603929
2451	0.000000	2451	5.999633
2452	0.001057	2452	0.000000
2453	0.000000	2453	2.020413
2454	0.000000	2454	4.748963
2455	0.000000	2455	5.402460
2456	0.000000	2456	3.067345
2457	0.000000	2457	1.835918
2458	0.000000	2458	2.604856
2459	0.000000	2459	5.999266
2460	0.000144	2460	0.000000
2461	0.000000	2461	1.074920
2462	0.000000	2462	2.944702

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Coordenada x	Valor x	Coordenada z	Valor z
2463	0.000000	2463	2.745792
2464	0.000000	2464	2.371686
2465	0.000000	2465	2.405521
2466	0.000000	2466	1.872027
2467	0.000000	2467	4.742871
2468	0.000000	2468	5.403929
2469	0.000000	2469	3.742274
2470	0.000000	2470	3.077949
2471	0.000000	2471	1.818416
2472	0.000000	2472	2.603929
2473	0.000000	2473	5.999633
2474	0.003171	2474	0.000000
2475	0.000000	2475	2.020413
2476	0.000000	2476	4.748963
2477	0.000000	2477	5.402460
2478	0.000000	2478	3.067345
2479	0.000000	2479	1.835918
2480	0.000000	2480	2.604856
2481	0.000000	2481	5.999266
2482	0.000425	2482	0.000000
2483	0.000000	2483	5.769096
2484	0.000000	2484	7.626588
2485	0.000000	2485	7.367788
2486	0.000000	2486	6.993683
2487	0.000000	2487	7.027518
2488	0.000000	2488	6.494023
2489	0.000000	2489	9.364867
2490	0.000000	2490	10.025925
2491	0.000000	2491	8.364270
2492	0.000000	2492	7.699946
2493	0.000000	2493	6.440413
2494	0.000000	2494	7.225925
2495	0.000000	2495	10.621629
2496	0.000000	2496	4.621996
2497	0.000000	2497	7.014656
2498	0.000000	2498	9.743206
2499	0.000000	2499	10.396704
2500	0.000000	2500	8.061588
2501	0.000000	2501	6.830161
2502	0.000000	2502	7.599099
2503	0.000000	2503	10.993509
2504	0.000000	2504	4.994243
2505	-0.000000	2505	0.000000
2506	0.000000	2506	0.288131
2507	0.000000	2507	3.642676
2508	0.000000	2508	3.466127
2509	0.000000	2509	2.239181
2510	0.000000	2510	2.820667
2511	0.000000	2511	4.806409

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
2512	0.000000	2512	5.409636
2513	0.000000	2513	4.173710
2514	0.000000	2514	2.972911
2515	0.000000	2515	1.930865
2516	0.000000	2516	2.609636
2517	0.000000	2517	5.999633
2518	-0.000000	2518	0.000000
2519	0.000000	2519	2.894259
2520	0.000000	2520	4.812386
2521	0.000000	2521	5.408167
2522	0.000000	2522	2.703060
2523	0.000000	2523	1.947631
2524	0.000000	2524	2.610554
2525	0.000000	2525	5.999265
2526	-0.000000	2526	0.000000
2527	0.000000	2527	0.169382
2528	0.000000	2528	0.567402
2529	0.000000	2529	3.642676
2530	0.000000	2530	3.466127
2531	0.000000	2531	2.239181
2532	0.000000	2532	2.820667
2533	0.000000	2533	4.806409
2534	0.000000	2534	5.409636
2535	0.000000	2535	4.173710
2536	0.000000	2536	2.972911
2537	0.000000	2537	1.930865
2538	0.000000	2538	2.609636
2539	0.000000	2539	5.999633
2540	0.000040	2540	0.000000
2541	0.000000	2541	2.894259
2542	0.000000	2542	4.812386
2543	0.000000	2543	5.408167
2544	0.000000	2544	2.703060
2545	0.000000	2545	1.947631
2546	0.000000	2546	2.610554
2547	0.000000	2547	5.999265
2548	0.000005	2548	0.000000
2549	0.000000	2549	0.304061
2550	0.000000	2550	0.808365
2551	0.000000	2551	3.642676
2552	0.000000	2552	3.466127
2553	0.000000	2553	2.239181
2554	0.000000	2554	2.820667
2555	0.000000	2555	4.806409
2556	0.000000	2556	5.409636
2557	0.000000	2557	4.173710
2558	0.000000	2558	2.972911
2559	0.000000	2559	1.930865
2560	0.000000	2560	2.609636

Continua na próxima página

Coordenada x	Valor x	Coordenada z	Valor z
2561	0.000000	2561	5.999633
2562	0.001577	2562	0.000000
2563	0.000000	2563	2.894259
2564	0.000000	2564	4.812386
2565	0.000000	2565	5.408167
2566	0.000000	2566	2.703060
2567	0.000000	2567	1.947631
2568	0.000000	2568	2.610554
2569	0.000000	2569	5.999265
2570	0.000212	2570	0.000000
2571	0.000000	2571	2.339684
2572	0.000000	2572	5.031004
2573	0.000000	2573	4.126983
2574	0.000000	2574	4.014078
2575	0.000000	2575	3.394575
2576	0.000000	2576	4.672300
2577	0.000000	2577	5.405299
2578	0.000000	2578	5.423029
2579	0.000000	2579	5.355091
2580	0.000000	2580	3.195281
2581	0.000000	2581	2.810151
2582	0.000000	2582	2.623029
2583	0.000000	2583	5.999632
2584	0.000023	2584	0.000000
2585	0.000000	2585	4.106645
2586	0.000000	2586	5.410347
2587	0.000000	2587	5.421555
2588	0.000000	2588	2.552777
2589	0.000000	2589	2.821345
2590	0.000000	2590	2.623934
2591	0.000000	2591	5.999263
2592	0.000002	2592	0.000000
2593	1.442902	2593	0.000000
2594	0.850000	2594	0.000000

3 Variáveis Duais (Multiplicadores de Lagrange)

Tabela 2: Variáveis duais do problema wood1p

Coordenada y	Valor y
1	-2.496614
2	0.005836
3	0.040222
4	0.005234
5	0.001248
6	0.004632

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Coordenada y	Valor y
7	0.001248
8	0.000682
9	-0.000000
10	0.000589
11	-0.000000
12	0.000589
13	0.000000
14	0.242761
15	-0.001430
16	-0.001097
17	-0.001430
18	-0.001097
19	-0.001430
20	-0.002285
21	-0.002526
22	0.000660
23	0.000326
24	0.000660
25	0.000326
26	0.000660
27	0.000326
28	-0.000217
29	-0.000689
30	-0.000217
31	-0.000689
32	-0.000000
33	-0.000000
34	0.009945
35	-0.002258
36	-0.001360
37	0.014980
38	-0.001878
39	-0.002258
40	-0.002602
41	-0.002843
42	-0.003543
43	-0.001976
44	-0.000000
45	-0.000000
46	-0.000000
47	-0.000000
48	-0.002812
49	-0.004994
50	-0.004622
51	-0.004994
52	-0.000000
53	-0.000000
54	-0.004709
55	-0.005847

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Coordenada y	Valor y
56	-0.005094
57	-0.005847
58	-0.005444
59	-0.005847
60	-0.005994
61	-0.006042
62	0.004364
63	0.009987
64	0.004269
65	0.001248
66	0.004172
67	0.001248
68	0.003660
69	0.023762
70	0.004040
71	-0.000000
72	0.004420
73	0.000000
74	0.185321
75	-0.001430
76	-0.001097
77	-0.001430
78	-0.001097
79	-0.001430
80	-0.002285
81	-0.002526
82	0.000660
83	0.000326
84	0.000660
85	0.000326
86	0.000660
87	0.000326
88	-0.000217
89	-0.000689
90	-0.000217
91	-0.000689
92	0.000807
93	-0.000000
94	0.041590
95	-0.002258
96	0.023728
97	-0.002258
98	0.010001
99	-0.002258
100	-0.002602
101	-0.002843
102	-0.003543
103	-0.004147
104	-0.000000
Continua na próxima página	

Coordenada y	Valor y
105	-0.000000
106	-0.000000
107	-0.000000
108	-0.004622
109	-0.004994
110	-0.004622
111	-0.004994
112	-0.000000
113	-0.000000
114	-0.003896
115	-0.005847
116	0.002998
117	-0.005847
118	-0.004660
119	0.021575
120	-0.005994
121	-0.006042
122	0.004670
123	0.010267
124	0.004518
125	0.001248
126	0.004366
127	0.001248
128	0.000953
129	-0.000000
130	0.001202
131	-0.000000
132	0.001418
133	0.000000
134	0.192633
135	-0.001430
136	-0.001097
137	-0.001430
138	-0.001097
139	-0.001430
140	-0.002285
141	-0.002526
142	0.000660
143	0.000326
144	0.000660
145	0.000326
146	0.000660
147	0.000326
148	-0.000217
149	-0.000689
150	-0.000217
151	-0.000689
152	0.000968
153	-0.000000

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Coordenada y	Valor y
154	-0.001103
155	0.098048
156	0.005854
157	-0.002258
158	-0.001878
159	-0.002258
160	-0.002602
161	-0.002843
162	-0.001272
163	-0.004147
164	-0.000000
165	-0.000000
166	-0.000000
167	-0.000000
168	-0.004622
169	-0.004994
170	-0.002607
171	-0.004994
172	-0.000000
173	-0.000000
174	-0.005568
175	-0.005847
176	0.026962
177	-0.005847
178	-0.005561
179	-0.005847
180	-0.005994
181	0.014161
182	0.003620
183	0.001248
184	0.003620
185	0.001248
186	0.003620
187	0.001248
188	0.000681
189	-0.000000
190	0.000589
191	-0.000000
192	0.000589
193	0.000000
194	0.205668
195	-0.001430
196	-0.001097
197	-0.001430
198	-0.001097
199	-0.001430
200	-0.002285
201	-0.002526
202	0.000660

Continua na próxima página

Coordenada y	Valor y
203	0.000326
204	0.000660
205	0.000326
206	0.000660
207	0.000326
208	-0.000217
209	-0.000689
210	-0.000217
211	-0.000689
212	-0.000000
213	-0.000000
214	0.008796
215	-0.002258
216	-0.001878
217	-0.002258
218	-0.001878
219	-0.002258
220	-0.002602
221	-0.002843
222	-0.003543
223	-0.004147
224	-0.000000
225	-0.000000
226	-0.000000
227	-0.000000
228	-0.004622
229	-0.004994
230	-0.004622
231	-0.004994
232	-0.000000
233	-0.000000
234	-0.005568
235	-0.005847
236	-0.005568
237	-0.005847
238	-0.005568
239	-0.005847
240	-0.005994
241	-0.006042
242	-1.000000
243	4.634725
244	4.634725

4 Observações

- O solver HiGHS foi configurado com o método IPM (Interior Point Method).
- Este arquivo contém a solução detalhada para o problema wood1p.
- As variáveis duais representam os multiplicadores de Lagrange das restrições.

- Os custos reduzidos (z) indicam o impacto de forçar variáveis não-básicas na base.