

First Track Results

Number	Solution				Time			
	Standard Matiasovich	Finite Matiasovich	Z3solver	Cvc4	Standard Matiasovich	Finite Matiasovich	Z3solver	Cvc4
1	true	true	true	true	106.661 μs	189.441 μs	0.02s	0.007532 000s
2	true	true	true	true	353.63μs	463.216 μs	0.04s	0.032916 000s
3	true	true	true	true	4.157415 ms	5.12967 ms	0.08s	0.017316 000s
4	true	true	true	true	205.368 μs	222.137 μs	0.02s	0.008536 000s
5	true	true	true	true	518.442 μs	980.037 μs	0.01s	0.019639 000s
6	true	true	true	true	106.3850 43ms	14.71279 7ms	1.13s	0.061502 000s
7	true	true	true	true	17.99103 075s	5.231016 677s	9.89s	0.016935 000s
8	true	true	timeout	true	457.013 μs	676.623 μs	118.97s	0.012965 000s
9	true	true	true	true	29.78412 5ms	15.86151 1ms	0.38s	0.014203 000s
10	true	true	true	true	5.029232 ms	3.005986 ms	0.03s	0.037021 000s
11	true	true	true	true	162.1172 97ms	73.90930 8ms	0.39s	0.039515 000s
12	true	true	true	true	34.44762 2ms	3.644059 ms	0.02s	0.036716 000s
13	true	true	true	true	16.19422 1ms	1.493393 ms	0.01s	0.015251 000s
14	true	true	true	true	547μs	364.149 μs	0.02s	0.013493 000s
15	true	true	true	true	2.41569 ms	553.958 μs	0.04s	0.015670 000s
16	true	true	true	true	157.5553 18ms	123.7961 26ms	0.14ms	0.021897 000s
17	true	true	true	timeout	138.3300 59ms	15.00420 3ms	0.34s	132.9619 11000s
18	true	true	true	true	7.585609 ms	3.641737 ms	0.01s	0.014191 000s
19	true	true	true	true	34.97045 5ms	1.53665 ms	0.01s	0.010715 000s
20	true	true	true	true	681.544 μs	726.338 μs	0.02s	0.013311 000s
21	true	true	true	true	26.51471 3ms	2.152822 ms	0.01s	0.010301 000s
22	true	true	true	true	629.676 μs	921.456 μs	0.04s	0.016038 000s

23	true	true	true	true	253.623 μs	318.263 μs	0.02s	0.031962 000s
24	true	true	true	true	117.5530 6ms	60.94773 2ms	1.06s	0.022039 000s
25	true	true	true	true	1.409841 401s	24.15059 7ms	0.37s	0.020790 000s
26	true	true	true	true	345.591 μs	672.151 μs	0.02s	0.015264 000s
27	true	true	true	true	1.475536 ms	226.032 μs	0.02s	0.009852 000s
28	true	true	true	true	42.72944 7ms	3.728211 ms	0.02s	0.023850 000s
29	true	true	true	true	43.89697 5ms	18.87791 7ms	0.69s	0.023527 000s
30	true	true	true	true	447.359 μs	370.384 μs	0.02s	0.021587 000s
31	true	true	true	true	13.10593 2ms	1.976702 ms	0.01s	0.007623 000s
32	true	true	true	true	18.3071 ms	3.080227 ms	0.08s	0.013677 000s
33	true	true	true	true	92.04674 3ms	46.56131 7ms	0.02s	0.018657 000s
34	true	true	true	true	552.572 μs	379.324 μs	0.04s	0.013444 000s
35	true	true	true	true	134.7278 68ms	8.109951 ms	0.02s	0.027134 000s
36	true	true	timeout	true	2.088579 ms	3.026425 ms	119.26s	0.034590 000s
37	true	true	true	true	75.98179 5ms	6.649017 ms	0.02s	0.015113 000s
38	true	true	true	true	3.233968 864s	154.7425 89ms	2.72s	0.020962 000s
39	true	true	true	true	72.82149 2ms	25.47252 1ms	0.03s	0.015930 000s
40	true	true	true	true	570.601 μs	709.621 μs	0.02s	0.014967 000s
41	true	true	true	true	31.61208 9ms	3.188843 ms	0.01s	0.010621 000s
42	true	true	timeout	timeout	11.30003 6ms	2.489283 ms	119.19s	136.7882 58000s
43	true	true	true	timeout	25.77746 5ms	24.34619 1ms	4.22s	132.3208 18000s
44	true	true	true	true	201.729 μs	111.749 μs	0.01s	0.004301 000s
45	true	true	true	true	2.396671 ms	2.521988 ms	0.01s	0.014759 000s
46	true	true	true	true	972.14μs	874.845 μs	0.06s	0.020472 000s
47	true	true	true	true	11.16136 2ms	875.067 μs	0.02s	0.020181 000s

48	true	true	true	true	648.075 μs	219.75μs	0.01s	0.009690 000s
49	true	true	true	true	24.94186 2ms	2.195982 ms	0.01s	0.007993 000s
50	true	true	true	timeout	8.498165 ms	6.229003 ms	1.59s	126.2497 69000s
51	true	true	true	true	27.53101 ms	4.886364 ms	0.02s	0.010710 000s
52	true	true	true	true	62.79286 9ms	4.156843 ms	0.01s	0.008192 000s
53	true	true	true	true	15.28362 ms	6.965706 ms	1.83s	0.071848 000s
54	true	true	true	true	164.0600 08ms	15.67191 1ms	0.02s	0.034211 000s
55	true	true	true	true	35.84596 6ms	29.15192 3ms	0.72s	0.020726 000s
56	true	true	true	true	19.92441 8ms	8.536029 ms	0.06s	0.014764 000s
57	true	true	true	true	7.287619 ms	1.152129 ms	0.01s	0.010649 000s
58	true	true	true	true	4.471101 254s	157.2398 3ms	2.88s	0.014218 000s
59	true	true	true	true	88.43376 4ms	5.344188 ms	0.02s	0.015433 000s
60	true	true	true	true	22.59430 6ms	1.803891 ms	0.05s	0.017782 000s
61	true	true	true	true	417.587 μs	478.128 μs	0.01s	0.011005 000s
62	true	true	true	true	171.7181 69ms	13.38109 4ms	0.01s	0.008743 000s
63	true	true	true	true	18.15443 2244s	727.8551 86ms	3.10s	0.015282 000s
64	true	true	true	true	1.085875 ms	1.908827 ms	0.05s	0.020220 000s
65	true	true	true	true	38.98724 8ms	18.05553 2ms	0.25s	0.016085 000s
66	true	true	true	true	247.282 μs	420.883 μs	0.02s	0.015522 000s
67	true	true	true	true	13.40373 9ms	3.512665 ms	0.09s	0.018501 000s
68	true	true	true	true	2.487782 429s	21.14338 2ms	0.01s	0.010497 000s
69	true	true	true	true	170.1034 96ms	43.05946 ms	0.17s	0.024379 000s
70	true	true	true	true	1.030134 ms	2.611271 ms	0.06s	0.017880 000s
71	true	true	true	true	36.90541 6ms	2.968195 ms	0.02s	0.042132 000s
72	true	true	true	true	1.099068 ms	2.145574 ms	0.07s	0.018329 000s

73	true	true	true	true	857.6483 36ms	23.30083 8ms	0.01s	0.010767 000s
74	true	true	true	true	20.40146 1537s	4.471519 24s	67.67s	0.014161 000s
75	true	true	true	true	17.9887 ms	4.474739 ms	0.01s	0.010644 000s
76	true	true	true	true	249.064 μs	440.627 μs	0.02s	0.010884 000s
77	true	true	true	true	2m31.39 2588133 s	801.0929 92ms	0.61s	0.023962 000s
78	true	true	true	true	101.9541 75ms	5.981237 ms	0.01s	0.007796 000s
79	true	true	true	true	82.65026 3ms	4.770905 ms	0.01s	0.011394 000s
80	true	true	true	true	362.357 μs	443.857 μs	0.02s	0.011013 000s
81	true	true	true	true	843.078 μs	719.725 μs	0.01s	0.012471 000s
82	true	true	true	timeout	87.41390 2ms	19.45015 9ms	10.08s	124.7260 86000s
83	true	true	true	true	183.198 μs	225.713 μs	0.01s	0.014203 000s
84	true	true	true	true	33.77694 4ms	12.33344 7ms	0.08s	0.014830 000s
85	true	true	true	true	333.281 μs	707.03μs	0.01s	0.010000 000s
86	true	true	true	true	360.002 μs	833.867 μs	0.01s	0.009594 000s
87	true	true	true	true	54.56081 4ms	25.29949 6ms	0.02s	0.021119 000s
88	true	true	true	true	878.705 μs	872.322 μs	0.04s	0.018416 000s
89	true	true	true	true	8.42747 ms	918.87μs	0.01s	0.011820 000s
90	true	true	true	true	1.222671 961s	27.82776 1ms	0.01s	0.012874 000s
91	true	true	true	true	1.562841 ms	1.604162 ms	0.01s	0.014814 000s
92	true	true	true	true	120.031 μs	186.947 μs	0.01s	0.017140 000s
93	true	true	true	true	288.757 μs	579.959 μs	0.01s	0.015693 000s
94	true	true	true	true	66.63902 ms	6.950106 ms	0.02s	0.008406 000s
95	true	true	true	true	218.647 μs	372.182 μs	0.03s	0.013351 000s
96	true	true	true	true	133.5814 52ms	34.76468 ms	0.03s	0.017323 000s
97	true	true	true	true	697.737 μs	1.669459 ms	0.02s	0.010236 000s

98	true	true	true	true	2.189313 64s	29.30763 4ms	0.01ms	0.010769 000s
99	true	true	true	true	1.209848 ms	3.070926 ms	0.02ms	0.011317 000s
100	true	true	timeout	timeout	36.78504 1ms	20.80873 9ms	114.14s	122.3549 44000s
101	true	true	timeout	true	2.224608 ms	2.236167 ms	118.98s	0.021553 000s
102	true	true	true	true	219.591 μs	256.176 μs	0.02s	0.010033 000s
103	true	true	true	true	36.08037 4ms	3.773451 ms	0.02s	0.010888 000s
104	true	true	true	true	4.159073 ms	1.476401 ms	0.09s	0.014544 000s
105	true	true	true	true	126.422 μs	130.93μs	0.03s	0.011643 000s
106	true	true	true	true	2.017992 ms	2.027881 ms	0.03s	0.016607 000s
107	true	true	true	true	10.92997 2ms	1.216808 ms	0.02s	0.010926 000s
108	true	true	true	true	115.6220 54ms	6.751241 ms	0.03s	0.008687 000s
109	true	true	true	true	3.511059 338s	3.327179 183s	32.15s	0.037511 000s
110	true	true	true	true	5.375374 ms	3.464242 ms	0.06s	0.020822 000s
111	true	true	true	timeout	5.450395 528s	144.4790 16ms	26.89s	122.5085 56000s
112	true	true	true	true	217.959 μs	108.617 μs	0.02s	0.013622 000s
113	true	true	true	true	14.72206 5ms	5.30725 ms	0.03s	0.039913 000s
114	true	true	true	true	13.37584 ms	1.380976 ms	0.02s	0.023324 000s
115	true	true	true	true	320.836 μs	398.914 μs	0.02s	0.026625 000s
116	true	true	true	true	53.67875 ms	12.93729 7ms	0.17s	0.030194 000s
117	true	true	true	true	35.09108 6ms	3.554388 ms	0.05s	0.023813 000s
118	true	true	true	true	109.2441 79ms	8.930575 ms	0.02s	0.019778 000s
119	true	true	true	true	38.092μs	53.276μs	0.02s	0.017437 000s
120	true	true	true	true	3.870738 965s	214.4943 61ms	38.78s	0.049490 000s
121	true	true	true	true	72.93757 9ms	4.160338 ms	0.02s	0.017254 000s
122	true	true	timeout	true	1.824054 ms	2.22136 ms	101.72s	0.020964 000s

123	true	true	true	true	147.9956 69ms	17.52066 ms	0.40s	0.089938 000s
124	true	true	true	true	107.7098 21ms	11.56627 9ms	0.01s	0.014090 000s
125	true	true	true	true	6.721103 895s	128.0151 26ms	4.30s	0.017170 000s
126	true	true	true	true	1.577067 ms	888.08μs	0.04s	0.016994 000s
127	true	true	true	true	5.776557 ms	851.34μs	0.01s	0.010948 000s
128	true	true	true	true	31.517μs	119.59μs	0.01s	0.003316 000s
129	true	true	true	true	43.779μs	119.793 μs	0.01s	0.003504 000s
130	true	true	true	true	170.135 μs	556.873 μs	0.01s	0.007548 000s
131	true	true	timeout	true	47.72012 9ms	7.34146 ms	112.63s	0.016858 000s
132	true	true	true	true	71.40653 9ms	30.06029 1ms	4.15s	0.015338 000s
133	true	true	timeout	true	5.012479 441s	28.05115 7ms	113.29s	0.022732 000s
134	true	true	true	true	5.291871 ms	46.68560 7ms	0.01s	0.013224 000s
135	true	true	timeout	timeout	17.37374 3008s	5.899381 ms	112.49s	122.4262 74000s
136	true	true	true	true	509.997 μs	520.571 μs	0.02s	0.010221 000s
137	true	true	true	true	1.17322 ms	1.110815 ms	0.06s	0.016900 000s
138	true	true	true	true	11.97015 3ms	5.064699 ms	0.13s	0.013599 000s
139	true	true	timeout	true	113.9264 73ms	50.34860 2ms	108.99s	0.018792 000s
140	true	true	true	true	313.098 μs	343.036 μs	0.05s	0.033220 000s
141	true	true	true	true	47.15745 ms	2.085524 ms	0.10s	0.048380 000s
142	true	true	true	true	27.58769 1ms	2.133819 ms	0.02s	0.013659 000s
143	true	true	true	true	46.22734 1ms	6.297422 ms	0.99s	0.021720 000s
144	true	true	true	true	913.005 μs	787.833 μs	0.02s	0.013109 000s
145	true	true	true	true	641.164 μs	372.716 μs	0.08s	0.014485 000s
146	true	true	true	true	369.562 μs	421.207 μs	0.02s	0.007247 000s
147	true	true	true	true	1.672595 ms	1.492311 ms	0.13s	0.014705 000s

148	true	true	true	true	1.4866ms	1.836209ms	1.29s	0.017281000s
149	true	true	true	true	367.934μs	349.943μs	0.03s	0.018455000s
150	true	true	true	true	1.160957ms	572.173μs	0.06s	0.011965000s
151	true	true	true	true	111.603667ms	63.021421ms	0.95s	0.016098000s
152	true	true	true	true	9.023626302s	65.757155ms	0.02s	0.011005000s
153	true	true	true	true	56.584351ms	22.693548ms	0.10s	0.013819000s
154	true	true	true	true	104.12μs	151.246μs	0.02s	0.009657000s
155	true	true	true	true	8.961096ms	1.465226ms	0.02s	0.009286000s
156	true	true	true	true	1.741116708s	166.597234ms	18.29s	0.014819000s
157	true	true	true	true	52.307407ms	5.049623ms	0.02s	0.013955000s
158	true	true	true	true	719.208μs	2.190147ms	0.03s	0.022111000s
159	true	true	true	true	19.379399ms	2.840651ms	0.08s	0.028732000s
160	true	true	true	true	22.714138ms	2.002033ms	0.02s	0.009099000s
161	true	true	true	true	2.58358ms	2.06189ms	0.06s	0.015620000s
162	true	true	true	true	43.55683ms	4.015097ms	0.21s	0.018315000s
163	true	true	true	true	480.358μs	629.396μs	0.02s	0.016118000s
164	true	true	true	true	104.365μs	196.579μs	0.02s	0.015111000s
165	true	true	true	true	13.671156ms	6.443648ms	0.73s	0.024621000s
166	true	true	true	true	94.147037ms	8.295927ms	0.03s	0.017046000s
167	true	true	true	true	51.210905ms	6.994753ms	0.13s	0.021774000s
168	true	true	true	true	438.854μs	699.814μs	0.02s	0.010637000s
169	true	true	true	true	221.68μs	336.146μs	0.04s	0.028321000s
170	true	true	true	true	14.776918ms	1.27484ms	0.02s	0.016488000s
171	true	true	true	true	80.740219ms	5.511047ms	0.02s	0.016384000s
172	true	true	true	true	6.250966ms	988.876μs	0.06s	0.015072000s

173	true	true	true	true	6.902027 ms	4.031449 ms	1.31s	0.013594 000s
174	true	true	true	true	86.60926 3ms	40.89420 3ms	2.03s	0.153840 000s
175	true	true	true	true	19.23052 6394s	92.29766 8ms	0.02s	0.013214 000s
176	true	true	true	true	100.57µs	152.615 µs	0.02s	0.003205 000s
177	true	true	true	true	42.64577 8ms	22.53679 6ms	41.86s	0.016551 000s
178	true	true	true	true	9.934399 43s	152.0432 39ms	0.04s	0.022391 000s
179	true	true	true	true	447.058 µs	675.929 µs	0.02s	0.010024 000s
180	true	true	true	true	3.215748 919s	20.10271 9ms	0.02s	0.007764 000s
181	true	true	true	true	789.736 µs	1.034637 ms	0.02s	0.009821 000s
182	true	true	true	true	270.415 µs	300.111 µs	0.06s	0.021578 000s
183	true	true	true	true	4.692921 ms	1.169325 ms	0.02s	0.025383 000s
184	true	true	true	true	3.504ms	1.15261 ms	0.03s	0.035523 000s
185	true	true	true	true	51.94087 2ms	2.345351 ms	0.02s	0.008822 000s
186	true	true	true	true	3.666442 ms	1.258295 ms	0.03s	0.015795 000s
187	true	true	true	true	1.133071 ms	1.213843 ms	0.13s	0.072056 000s
188	true	true	true	true	2.629774 ms	2.621995 ms	0.03s	0.033252 000s
189	true	true	true	true	281.816 µs	330.072 µs	0.03s	0.091290 000s
190	true	true	true	true	257.999 µs	321.125 µs	0.02s	0.012093 000s
191	true	true	true	true	34.36467 3ms	3.223441 ms	0.08s	0.022334 000s
192	true	true	true	true	333.622 µs	450.297 µs	0.02s	0.008397 000s
193	true	true	true	true	48.946µs	93.491µs	0.02s	0.004902 000s
194	true	true	true	true	1.604356 ms	515.336 µs	0.12s	0.033172 000s
195	true	true	true	true	940.709 µs	727.159 µs	0.06s	0.014992 000s
196	true	true	true	true	1.986401 ms	724.287 µs	0.02s	0.009411 000s
197	true	true	true	true	27.76626 7ms	2.066607 ms	0.02s	0.009407 000s

198	true	true	true	true	3.189434 ms	1.190773 ms	40.10s	0.017973 000s
199	true	true	true	true	1.936218 ms	758.751 μs	0.03s	0.022865 000s
200	true	true	true	true	61.838μs	104.126 μs	0.02s	0.009856 000s