Analise de Tempo

#	Benckmark	Dominio	Minimo Global	Coef
1	Alpine 1	-1≤xi≤1	f(0,0)=-2.02181	1000
2	Cosine	-50≤xi≤50	f(0,0) = 0	1000
3	Styblinski tang	-50≤xi≤50	f(0,0) = 0	1000
4	Zirilli	-5≤x1≤10 0≤x2≤15	f{(-π,12.275),(π,2.275), (9.42478,2.475)} = 0.39788735772973816	1000
5	Booth	-3≤x1≤3 -2≤x2≤2	f{(0,0898;-0,7126), (-0,0898;0,7126)} = -1,0316	1000
6	Himmeblau	-5≤xi≤5	f(0,0) = 0	1000
7	Leon			1000
8	Zettl			1000
9	Sum Square	-5≤xi≤5	F(-2,903534;-2.903534) =-78,33198	1000
10	Rotated Ellipse			1000

#	Benckmark	Dominio	Minimo Global	Coef		
1	Alpine 1	-1≤xi≤1	f(0,0)=-2.02181	1000		
2	Cosine	-50≤xi≤50	f(0,0) = 0	1000		
3	Styblinski tang	-50≤xi≤50	f(0,0) = 0	1000		
4	Zirilli	-5≤x1≤10 0≤x2≤15	f{(-π,12.275),(π,2.275), (9.42478,2.475)} = 0.39788735772973816	1000		
5	Booth	-3≤x1≤3 -2≤x2≤2	f{(0,0898;-0,7126), (-0,0898;0,7126)} = -1,0316	1000		
6	Himmeblau	-5≤xi≤5	f(0,0) = 0	1000		
7	Leon			1000		
8	Zettl			1000		
9	Sum Square	-5≤xi≤5	F(-2,903534;-2.903534) =-78,33198	1000		
10	Rotated Ellipse			1000		
Media						

Analise de Tempo

Во	olector	Z3		Mathsat		Minisat	
3387	10m57,313s	105192	4m49,531s	1068	7m22,821s	5344	78m54,359s
5003	9m37.403s	80481	8m33.652s	4130		8509	17m41,826s
2027	0m10.710s	37778	22m6.737s	443		2438	3m25.353s
190	0m20.768s	387	0m8.106s	468	0m7.759s	1143	14m49.395s
4016	0m48.002s	1244	0m51.801s	7	1m5.281s	2	0m0.983s
6217	0m21,450s	14205	0m22,385s	12	0m23,444s	4	0m3,902s
212	0m4,909s	2443	0m2,406s	5	0m3,653s	2	0m1,304s
389	0m22.185s	753	0m11.141s	13	0m9.791s	9	0m4.525s
4438	0m2.664s	4171	0m1.275s	18	0m5.642s	13	0m2.690s
39	0m5.091s	72	0m33,196s	3	0m50,749s	2	0m5,338s

Во	olector	- 2	Z3	М	athsat	Min	isat
3387	657	105192	289	1068	442	5344	4734
5003	577	80481	481	4130		8509	1061
2027	11	37778	1327	443		2438	206
190	21	387	8	468	8	1143	15
4016	48	1244	51	7	65	2	1
6217	22	14205	23	12	24	4	4
212	5	2443	3	5	4	2	2
389	22	753	11	13	10	9	5
4438	3	4171	2	18	6	13	3
39	5	72	34	3	51	2	5
2707	21,5	3307	28,5	15,5	17	11	5

Analise de Repetiçao do Minimo

	Minisat							
#	Benckmark	Dominio	Minimo Global	P1	P10	P100	P1000	
1	Alpine 1			0	0	0	0	
2	Cosine			-0.2	-0.2	-0.2	timeout	
3	Styblinski tang			-78	-78.3319	-78.3319	-78.3322	
4	Zirilli			-0.35	-0.35	-0.352335	-0.352335	
5	Booth			0	0	0	0	
6	Himmeblau			0	0	0	0	
7	Leon			0	0	0	0	
8	Zettl			0	0	-0.003791	-0.003791	
9	Sum Square			0	0	0	0	
10	Rotated Ellipse 02			0	0	0	0	

	Mathsat						
#	Benckmark	Dominio	Minimo Global	P1	P10	P100	P1000
1	Alpine 1			0	0	0	0
2	Cosine						
3	Styblinski tang						
4	Zirilli						
5	Booth						
6	Himmeblau						
7	Leon						
8	Zettl						
9	Sum Square						
10	Rotated Ellipse						

	Z3							
#	Benckmark	Dominio	Minimo Global	P1	P10	P100	P1000	
1	Alpine 1							
2	Cosine							
3	Styblinski tang							
4	Zirilli							
5	Booth							
6	Himmeblau							
7	Leon							
8	Zettl							
	Sum Square							
10	Rotated Ellipse							

	Boolector						
#	Benckmark	Dominio	Minimo Global	P1	P10	P100	P1000
1	Alpine 1						
2	Cosine						
3	Styblinski tang						
4	Zirilli						
5	Booth						
6	Himmeblau						
7	Leon						
8	Zettl						
9	Sum Square						
10	Rotated Ellipse						

Analise de Repetiçao do Minimo

# Benckmark 1 Alpine 1 2 Cosine 3 Styblinski tang 4 Zirilli 5 Booth 6 Himmeblau 7 Leon 8 Zettl 9 Sum Square 10 Rotated Ellipse	Dominio	Minimo Global	Coef	Boolector
# Benckmark 1 Alpine 1 2 Cosine 3 Styblinski tang 4 Zirilli 5 Booth 6 Himmeblau 7 Leon 8 Zettl 9 Sum Square 10 Rotated Ellipse	Dominio	Minimo Global	Coef	Boolector

Analise de Repetiçao do Minimo

Z3 Mathsat Minisat

Z3 Mathsat Minisat