

TIME LIMIT: 5000s	Problem info				Search time (s)					Decisions					Unit propagation					Symmetry propagation			Unit/Symmetry Propagation			
	Problem	Status	Detection	Total	Inverting	Minisat	+SP(SAT)	+SP(SAT)	+SP(SAT)	+Shatter	Minisat	+SP(SAT)	+SP(SAT)	+SP(SAT)	+Shatter	Minisat	+SP(SAT)	+SP(SAT)	+SP(SAT)	+Shatter	+SP(SAT)	+SP(SAT)	+SP(SAT)	+SP(SAT)	+SP(SAT)	+SP(SAT)
			time (s)	symmetries			symmetries	no storing	storing			optimized	no storing	storing			optimized	no storing	storing			optimized	no storing		storing	optimized
battleship-07-13-sat.cnf	SAT	0.37	12	0	0.00	0.00	0.00	0.00	0.00	414	258	237	517	606	3750	1886	1560	4170	4671	5	6	42	0.27%	0.38%	1.01%	
battleship-08-15-sat.cnf	SAT	0.01	14	0	0.00	0.00	0.00	0.00	0.00	277	388	268	429	1078	1799	2826	1670	3261	7947	28	22	68	0.99%	1.32%	2.09%	
battleship-09-17-sat.cnf	SAT	0.05	15	0	0.00	0.00	0.00	0.05	0.03	1395	1304	1773	5148	4203	9720	10498	14202	43452	111235	146	163	675	1.39%	1.15%	1.55%	
battleship-10-17-sat.cnf	SAT	0.01	12	0	3.91	1.33	1.41	2.18	5.42	368958	126223	142969	143459	211317	4436583	1537541	1613797	1660125	7764867	43536	18319	20003	2.83%	1.14%	1.20%	
battleship-10-18-sat.cnf	SAT	0.01	13	0	0.00	0.01	0.00	0.05	0.05	622	2311	659	6360	6348	3491	20944	5545	52407	171868	359	34	752	1.71%	0.61%	1.43%	
battleship-10-19-sat.cnf	SAT	0.05	15	0	0.00	0.00	0.00	0.00	0.00	648	688	759	462	3293	3914	3893	4403	2579	57542	17	15	9	0.44%	0.34%	0.35%	
battleship-12-23-sat.cnf	SAT	0.05	18	0	0.00	0.00	0.01	0.00	0.01	1252	884	3049	1034	4429	7740	5674	21460	6386	70647	23	182	51	0.41%	0.85%	0.80%	
battleship-14-26-sat.cnf	SAT	0.06	17	0	718.18	104.95	1060.11	546.06	14.25	29589334	4339151	37732810	17825596	735680	380912396	57105396	493495910	227603682	31417543	2606234	4929246	2476104	4.56%	1.00%	1.09%	
battleship-15-29-sat.cnf	SAT	0.31	22	0	385.96	1257.95	16.14	296.29	87.82	21961391	40815286	744001	10058234	3373200	244436516	517367619	7997591	114418159	176748246	24137589	89171	1311642	4.67%	1.11%	1.15%	
battleship-24-57-sat.cnf	SAT	1.77	41	0	16.46	24.98	1.06	20.17	32.49	1706712	2217148	223013	779295	3102966	10179138	12317545	991019	3892798	81779875	392398	10196	46433	3.19%	1.03%	1.19%	
fpga10_8_sat.cnf	SAT	0	22	0	0.00	0.00	0.00	0.00	0.00	405	338	352	320	503	3056	2488	2606	2155	3337	150	175	258	6.03%	6.72%	11.97%	
fpga10_9_sat.cnf	SAT	0.01	23	0	0.00	0.00	0.00	0.00	0.00	408	443	348	316	607	3364	3441	2412	2441	2872	178	150	229	5.17%	6.22%	9.38%	
fpga12_11_sat.cnf	SAT	0.02	29	0	0.00	0.00	0.00	0.00	0.00	467	325	363	524	474	3659	2560	2864	4108	3097	154	137	333	6.02%	4.78%	8.11%	
fpga12_8_sat.cnf	SAT	0.01	24	0	0.00	0.00	0.00	0.00	0.00	296	485	324	472	602	2264	3511	1962	3360	2838	140	138	296	3.99%	7.03%	8.81%	
fpga12_9_sat.cnf	SAT	0.01	25	0	0.00	0.00	0.00	0.00	0.00	451	343	378	492	713	3573	2386	2255	3857	6612	114	133	302	4.78%	5.90%	7.83%	
fpga13_10_sat.cnf	SAT	0.02	28	0	0.00	0.00	0.00	0.00	0.00	278	877	477	396	591	2223	7446	3289	3491	2822	290	163	212	3.89%	4.96%	6.07%	
fpga13_12_sat.cnf	SAT	0.03	32	0	0.00	0.00	0.00	0.00	0.00	316	310	334	365	1112	2840	2529	2726	3808	5243	81	68	231	3.20%	2.49%	6.07%	
fpga13_9_sat.cnf	SAT	0.01	26	0	0.00	0.00	0.00	0.00	0.00	330	350	858	696	601	2569	2205	7034	7345	6654	90	167	360	4.08%	2.37%	4.90%	
battleship-05-08-unsat.cnf	UNSAT	0	8	0	0.01	0.00	0.00	0.00	0.00	9281	2384	1406	463	447	93196	22286	13230	4332	5752	388	251	92	1.74%	1.90%	2.12%	
battleship-06-09-unsat.cnf	UNSAT	0	7	0	0.13	0.03	0.02	0.00	0.00	45893	9919	7947	2358	1105	524592	106585	85957	24425	15784	1427	858	399	1.34%	1.00%	1.63%	
battleship-07-12-unsat.cnf	UNSAT	0	10	0	485.08	39.05	17.28	2.01	1.44	61922751	6055749	3040267	295311	141734	694386783	68281758	31759850	3105172	3507254	1752230	432591	46952	2.57%	1.36%	1.51%	
battleship-10-10-unsat.cnf	UNSAT	0	8	0	1.55	2.18	1.13	0.17	0.03	199396	204969	107931	13673	5017	3463569	3558182	1950482	256967	115266	168	84	245	0.00%	0.00%	0.10%	
battleship-12-12-unsat.cnf	UNSAT	0.01	10	0	402.26	117.01	45.60	0.70	1.33	29000352	6678652	2828621	45112	119304	560429557	128740998	55264185	898707	4549889	180905	47061	2427	0.14%	0.09%	0.27%	
battleship-14-14-unsat.cnf	UNSAT	0.54	8	0				1371.62	736.05					18278571	6110885837	5601700715	5635591918	1491640260	855847664	226	213	43271	0.00%	0.00%	0.00%	
battleship-15-15-unsat.cnf	UNSAT	0.09	10	0				148.86					7252565		5374221314	4748141863	4828624137	155832209	5608586973	1873	351	19620	0.00%	0.00%	0.01%	
battleship-16-16-unsat.cnf	UNSAT	1.63	17	0				31.26					1476236		4752810480	4228866231	4268088023	27890830	5444156621	6295016	2019379	62635	0.15%	0.05%	0.22%	
chnl10_11.cnf	UNSAT	0.01	39	0	167.23	0.00	0.00	0.00	0.00	12437023	46	46	46	1473	139066233	186	186	186	3620	53	53	53	28.49%	28.49%	28.49%	
chnl10_12.cnf	UNSAT	0.03	41	0	84.98	0.00	0.00	0.00	0.00	6050506	46	46	46	1682	75992394	205	205	205	3952	53	53	53	25.85%	25.85%	25.85%	
chnl10_13.cnf	UNSAT	0.03	43	0	94.77	0.00	0.00	0.00	0.00	6006811	46	46	46	1766	82625001	224	224	224	3998	53	53	53	23.66%	23.66%	23.66%	
chnl11_12.cnf	UNSAT	0.03	43	0	3353.05	0.00	0.00	0.00	0.00	127407652	56	56	56	2017	1441292940	221	221	221	7678	64	64	64	28.96%	28.96%	28.96%	
chnl11_13.cnf	UNSAT	0.04	45	0	3868.64	0.00	0.00	0.00	0.00	126818865	56	56	56	2264	1578025794	242	242	242	8206	64	64	64</				