DETECTION LIMIT: 1000s
RUN TIME LIMIT: 5000s

Problem	Status	Problem info: Detection time (s)	Total symmetries	Inverting symmetries	Search time (s) Minisat	+SP(SAT) no storing	+SP(SAT) storing	+SP(SAT) optimized	+Shatter	Decisions Minisat	+SP(SAT) no storing	+SP(SAT) storing	+SP(SAT) optimized	+Shatter	Unit propagation Minisat	+SP(SAT) no storing	+SP(SAT) storing	+SP(SAT) optimized	+Shatter	Symmetry propagation +SP(SAT) no storing	+SP(SAT) storing	+SP(SAT) optimized	Unit/Symmetry Propagation +SP(SAT) no storing	+SP(SAT) storing	+SP(SAT) 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	9919	7947	2358	1105		524592	106585	85957	24425	15784	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				61447105	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	5444456621	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	26.45%	26.45%	26.45%
chnl11_20.cnf	UNSAT	0.13	59	0	3405.10	0.00	0.00	0.00	0.00	58302347	56	56	56	3954	1173568158	389	389	389	8932	64	64	64	16.45%	16.45%	16.45%
fpga10_11_uns_rcr.cnf	UNSAT	0.02	38	0	71.49	0.96	0.09	0.06	0.14	5985130	130205	17093	6888	15152	67227297	1345760	180413	80979	406313	54908	3786	3488	4.08%	2.10%	4.31%
fpga10_12_uns_rcr.cnf	UNSAT	0.04	41	0	209.84	0.23	0.07	0.05	0.15	12881772	31108	12154	5530	14446	150276769	332703	137855	74570	478956	14755	3493	2613	4.43%	2.53%	3.50%
fpga10_13_uns_rcr.cnf	UNSAT	0.03	42	0	955.19	0.52	0.19	0.04	0.19	42096627	63455	25671	4938	16921	519910130	744918	348452	69726	668004	27945	5444	2520	3.75%	1.56%	3.61%
fpga10_15_uns_rcr.cnf	UNSAT	0.05	46	0	1841.00	0.56	0.18	0.11	0.16	60680481	57573	19039	9183	13249	861526582	771585	263744	135352	509944	26455	6023	4292	3.43%	2.28%	3.17%
fpga10_20_uns_rcr.cnf	UNSAT	0.12	57	0	1271.76	1.00	0.26	0.06	0.28	29871337	70974	21404	4498	16306	578921696	1223257	431036	89954	842632	41066	7857	4154	3.36%	1.82%	4.62%
fpga11_13_uns_rcr.cnf	UNSAT	0.05	44	0		3.92	0.22	0.26	0.83		328285	25790	19236	56623	1862835438	3744794	287670	257637	2074116	138326	8023	10816	3.69%	2.79%	4.20%
fpga11_14_uns_rcr.cnf	UNSAT	0.06	46	0		4.56	0.53	0.12	0.69		358962	51389	10843	48327	1845034445	4396486	653478	146966	1705635	124565	11115	4894	2.83%	1.70%	3.33%
fpga11_15_uns_rcr.cnf	UNSAT	0.07	49	0		5.84	0.26	0.12	0.52		449749	29983	9836	32194	1751289839	6116614	417012	146486	1364837	203743	7986	4955	3.33%	1.92%	3.38%
fpga11_20_uns_rcr.cnf	UNSAT	0.15	59	0		7.76	0.68	0.16	1.11		404998	45832	9746	54054	1606609908	7226406	838599	183647	2930058	302291	14903	7197	4.18%	1.78%	3.92%
hole006.cnf	UNSAT	0	11	0	0.00	0.00	0.00	0.00	0.00	2357	16	16	16	48	26559	75	72	72	211	19	15	15	25.33%	20.83%	20.83%
hole007.cnf	UNSAT	0	13	0	0.01	0.00	0.00	0.00	0.00	13097	22	22	22	96	156631	98	95	95	323	26	21	21	26.53%	22.11%	22.11%
hole008.cnf	UNSAT	0	15	0	0.16	0.00	0.02	0.00	0.00	51046	29	29	29	124	515114	124	121	121	476	34	28	28	27.42%	23.14%	23.14%
hole009.cnf	UNSAT	0	17	0	1.66	0.00	0.00	0.00	0.00	363799	37	37	37	200	4040794	153	150	150	646	43	36	36	28.10%	24.00%	24.00%
hole010.cnf	UNSAT	0	19	0	108.97	0.00	0.00	0.00	0.00	12507767	46	46	46	265	140645683	185	182	182	899	53	45	45	28.65%	24.73%	24.73%
hole011.cnf	UNSAT	0	21	0	2020.84	0.00	0.00	0.00	0.00	129811853	56	56	56	369	1500316754	220	217	217	1300	64	55	55	29.09%	25.35%	25.35%
hole012.cnf	UNSAT	0	23	0		0.00	0.00	0.00	0.00		67	67	67	533	2612507621	258	255	255	1699	76	66	66	29.46%	25.88%	25.88%
hole013.cnf	UNSAT	0.01	25	0		0.00	0.00	0.00	0.00		79	79	79	672	2233424008	299	296	296	2209	89	78	78	29.77%	26.35%	26.35%
hole014.cnf	UNSAT	0.01	27	0		0.00	0.00	0.00	0.00		92	92	92	852	1881292385	343	340	340	3680	103	91	91	30.03%	26.76%	26.76%
hole015.cnf	UNSAT	0.02	29	0		0.00	0.00	0.00	0.00		106	106	106	1094	1493369253	390	387	387	4988	118	105	105	30.26%	27.13%	27.13%
hole020.cnf	UNSAT	0.1	39	0		0.00	0.00	0.00	0.00		191	191	191	3380	621030693	670	667	667	18331	208	190	190	31.04%	28.49%	28.49%
hole030.cnf	UNSAT	0.7	59	0		0.00	0.00	0.00	0.00		436	436	436	12140	679591159	1455	1452	1452	81276	463	435	435	31.82%	29.96%	29.96%
hole040.cnf	UNSAT	2.89	79	0		0.00	0.00	0.00	0.00		781	781	781	21688	810782492	2540	2537	2537	127811	818	780	780	32.20%	30.74%	30.74%
hole050.cnf	UNSAT	8.75	99	0		0.01	0.01	0.02	0.05		1226	1226	1226	76966	709025776	3925	3922	3922	564296	1273	1225	1225	32.43%	31.23%	31.23%
hole060.cnf	UNSAT	21.12	119	0		0.02	0.02	0.04	0.05		1771	1771	1771	125966	541436500	5610	5607	5607	721367	1828	1770	1770	32.58%	31.57%	31.57%
hole070.cnf	UNSAT	48.29	139	0		0.03	0.03	0.08	0.11		2416	2416	2416	165867	510241929	7595	7592	7592	1494337	2483	2415	2415	32.69%	31.81%	31.81%
hole080.cnf	UNSAT	93.84	159	0		0.06	0.06	0.11	0.27		3161	3161	3161	602887		9880	9877	9877	3229838	3238	3160	3160	32.77%	31.99%	31.99%
hole090.cnf	UNSAT	157.78	179	0		0.11	0.10	0.22	0.48		4006	4006	4006	699692		12465	12462	12462	5500889	4093	4005	4005	32.84%	32.14%	32.14%
hole100.cnf	UNSAT	267.55	199	0		0.16	0.17	0.35	0.87		4951	4951	4951	2180380		15350	15347	15347	10209875	5048	4950	4950	32.89%	32.25%	32.25%
Urq3_5.cnf	UNSAT	0.02	29	29	139.71	0.00	0.00	0.00	0.11	73481538	6572	6124	33	91985	301105603	18726	17228	77	453961	1456	1251	27	7.78%	7.26%	35.06%
Urq4_5.cnf	UNSAT	0.04	43	43		0.04	0.00	0.00	38.91		27809	1200	43	20323094	7582631639	93845	4963	104	115646665	3732	219	42	3.98%	4.41%	40.38%
Urq5_5.cnf	UNSAT	0.18	72	72		10.43	6.82	0.00	3810.15		4455744	2963855	72	1428323031	6225473284	16067716	11017032	169	8379761695	626052	262531	71	3.90%	2.38%	42.01%
Urq6_5.cnf	UNSAT	0.56	109	109				0.00					139		6016023157	5108110887	5072661901	392	8248792875	81559258	42002388	107	1.60%	0.83%	27.30%
Urq7_5.cnf	UNSAT	1.29	143	143				0.00					145		6165608435	5065213343	4966886170	376	7900192561	57167105	31196364	141	1.13%	0.63%	37.50%
Urq8_5.cnf	UNSAT	3.27	200	200				0.00					205		5472721018	4647462949	4394740116	496	6942316203	38386193	18993292	198	0.83%	0.43%	39.92%
x1_40.shuffled.cnf	UNSAT	0.01	41	40	141.39	0.05	0.03	0.00	3.06	72930235	32840	29191	100	1686967	583733727	269147	231535	460	18817376	3027	1970	35	1.12%	0.85%	7.61%
x1_80.shuffled.cnf	UNSAT	0.11	80	80		40.98	29.65	0.00	1972.32		15402038	11256887	84	680826737	13264127805	116500427	85590817	447	7609158516	1406335	548316	78	1.21%	0.64%	17.45%