

Planner FF and pure problem instances																															
time/SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
preprocessing time (normalisation)	0	0	0	0	0	0	0	0	0	0																					
reachability analysys	0	0	0	0	0.01	0.02	0.07	0.23	0.86	234.45						1.02d															No memory
Total (with search)	0	0	0	0	0.01	0.03	0.11	0.31	1.1	more than 10 min																					
Planner FF and SIMPLE-ADL with AXIOMS																															
time/SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Precompilation time (real time in cmd)	0.006	0.007	0.007	0.011	0.009	0.011	0.015	0.015	0.015	0.017	0.019	0.021	0.02	0.029	0.025	0.035	0.038	0.036	0.046	0.053	0.061	0.063	0.076	0.075	0.087	0.09	0.106	0.121	0.137	0.149	
preprocessing time (normalisation)	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0	0.02	0.03	0.03	0.04	0.04	0.06	0.07	0.09	regeneration fault											
reachability analysys	0	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01											
Total (with search)	0	0	0	0	0	0.01	0.02	0.02	0.04	more than 10 min	0.08	more than 10 min	0.72	1.32	more than 10 min	3.74															
Planner FF and SIMPLE-ADL with Nebel's flag encoding																															
time/SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Precompilation time (real time in cmd)	0.006	0.005	0.006	0.012	0.013	0.021	0.022	0.03	0.033	0.042	0.052	0.065	0.08	0.1	0.12	0.15	0.179	0.228	0.258	0.322	0.36	0.429	0.516	0.59	0.723	0.784	0.949	1.084	1.21	1.336	
preprocessing time (normalisation)	0	0	0	0	0.02	0.04	0.08	0.19	0.38	0.98	1.35	2.24	3.33	4.89	7.35	9.37	13.6	18.26	24.47	31.83	42.08	51.63	66.61	84.48	107.75	134.9	162.22	199.9	240.9	289.9	
reachability analysys	0	0	0	0	0	0.01	0.01	0.01	0.02	0.04	0.05	0.08	0.12	0.2	0.26	0.39	0.5	0.67	0.89	1.2	1.58	2.01	2.56	3.31	4.21	5.06	6.19	7.59	9.19	10.99	
Total (with search)	0	0.01	19.49	more than 10 min																											
PDDL size Axioms				31Kb	44Kb	59Kb	76Kb	95Kb	125Kb	148Kb	178Kb	209Kb	242Kb	286Kb	323Kb	365Kb	406Kb	452Kb	518Kb	569Kb	626Kb	680Kb	745Kb	833Kb	893Kb	969Kb	1Mb	1.1Mb	1.2Mb		
PDDL size Nebel #flags				84	115	144	179	213	285	339	382	443	503	572	642	707	778	855	948	1037	1123	1215	1323	1435	1515	1642	1748	1896	2022		
Planner FD and pure problem instances																															
time/SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
preprocessing time	0.034	0.039	0.044	0.05	0.082	0.124	0.214	0.378	0.781	1.727	8.168	25.736	109.799	587.732	Computing negative axioms more than 10 min																
Solver Time	0.00210159	0.00249613	0.00274867	0.00311996	0.00458114	0.00676745	0.01011266	0.01611341	0.02419666	0.04197496	0.209556	246.29	98.9244	7.69501	translat exit code: 9																
total	0.03610339	0.04169313	0.04673806	0.05051996	0.08683814	0.13076745	0.2252463	0.3992666	0.8174796																						
Planner FD and SIMPLE-ADL with AXIOMS																															
time/SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
preprocessing time	0.006	0.016	0.036	0.046	0.082	0.096	0.199	0.443	0.358	0.365	0.519	0.533	0.585	0.795	0.85	1.054	1.789	1.725	2.403	2.587	3.896	5.43	4.486	5.009	6.023	8.64	4.615	13.428	5.787	11.136	
Solver Time	0.00217947	0.00241402	0.00301256	0.00325146	0.00367286	0.00409923	0.00457963	0.00744045	0.00827993	0.012927	0.0105998	1.10151	0.0226315	0.0275472	0.0252539	417.191	5.39307	4.7321	4.93587	0.09797318	187.939	20.4085	18.7777	0.144501	0.207719	0.169049	36.6301	245.856	485.735	188.479	
total	0.00837693	0.0184402	0.03901258	0.08925146	0.08572096	0.1902879	0.20404923	0.6487683	0.3634665																						
Planner FD and SIMPLE-ADL with Nebel's flag encoding																															
time/SIZE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
preprocessing time	0.015	8.341	18.773	16.807	25.645	41.955	67.568	73.715	84.636	92.183	90.118	117.611	157.206	194.305	270.704	351.428	442.827	556.582	more than 10 min												
Solver Time	0.00124214	0.101684																													
total	0.01242434	8.446684																													