

Planner FF and pure problem instances																								
time SIZE		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
preprocessing time (normalisation)		0.01	0.04	0.08	0.16	0.28	0.49	0.82	1.33	2.52	5.58	7.34	31.42	45.24	147.44	more than 10 min				NO MEMORY				
reachability analysis		0	0	0	0	0	0	0.01	0.01	0.11	0.54	0.53	10.28	9.63	61.79									
Total (with search)		0.01	0.04	0.08	0.17	0.29	0.5	0.83	1.34	2.64	6.13	7.87	41.71	54.88	209.26									
Planner FF and SIMPLE-ADL with AXIOMS																								
time SIZE		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
Precompilation time (real time in cmd)		0.011	0.013	0.016	0.023	0.02	0.023	0.034	0.032	0.039	0.052	0.053	0.059	0.076	0.089	0.087	0.105	0.125	0.132	0.151	0.168			
preprocessing time (normalisation)		0	0	0	0	0	0	0	0.01	0	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
reachability analysis		0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0			
Total (with search)		0	0	0	0	0.01	0.01	0	0.01	0	0	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.03	0.02	0.03			
Planner FF and SIMPLE-ADL with Nebel's flag encoding																								
time SIZE		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
Precompilation time (real time in cmd)		0.005	0.013	0.016	0.021	0.02	0.028	0.028	0.034	0.036	0.05	0.05	0.072	0.072	0.09	0.095	0.119	0.118	0.139	0.164	0.183			
preprocessing time (normalisation)		0	0.01	0	0	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.05	0.05	0.05	0.07	0.08	0.09	0.13			
reachability analysis		0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0	0.01	0.01	0	0	0.01	0.01			
Total (with search)		0	0.02	0.01	0.03	0.11	0.12	0.34	0.36	2.95	8.62	8.66	80.46	87.14	320.61	more than 10 min								
Original	1.6Kb (d) x	591b(f)	658b (f)		764b (f)					1Kb						1.2Kb								
PDDL size Axioms	16.4Kb	28Kb			58.9Kb					128.8Kb						235.4Kb					358Kb			
PDDL size Nebel	36Kb	75Kb			201Kb					562Kb						1.3Mb					2.3Mb			
# flags		9	13		19					27						37					45			
Planner FD and pure problem instances																								
time SIZE		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
preprocessing time		0.02	0.031	0.037	0.051	0.111	0.129	0.22	0.228	1.727	5.723	6.261	142.534	136.181	595.164	more than 10 min								
Solver Time		0.00247508	0.00300067	0.00286609	0.00297511	0.00333035	0.00348219	0.00373985	0.00384192	0.00432534	0.00462768	0.0047788	0.00552023	0.00584497	0.00642678	compuing negative axioms								
total		0.02247508	0.03400067	0.03986609	0.05397511	0.11433035	0.13248219	0.22373985	0.23184192	1.73132534	5.72762768	6.2657788	142.5395202	136.186845	595.1704268									
Planner FD and SIMPLE-ADL with AXIOMS																								
time SIZE		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
preprocessing time		0.026	0.041	0.042	0.052	0.072	0.092	0.105	0.115	0.137	0.221	0.165	0.197	0.288	0.242	0.285	0.31	0.358	0.478	0.514	0.54			
Solver Time		0.00261912	0.00322683	0.00290439	0.00346084	0.00371538	0.00385575	0.00433929	0.00435207	0.00511308	0.00655173	0.00554065	0.00642449	0.00685208	0.00777044	0.00883572	0.00921715	0.0153957	0.0101425	0.0118082	0.0127928			
total		0.02861912	0.04422683	0.04490439	0.05546084	0.07571538	0.09585575	0.10933929	0.11935207	0.14211308	0.22755173	0.17054065	0.20342449	0.29485208	0.24977044	0.29383572	0.31921715	0.3733957	0.4881425	0.5258082	0.5527928			
Planner FD and SIMPLE-ADL with Nebel's flag encoding																								
time SIZE		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
preprocessing time		0.593	85.828	25.433	54.773	73.82	16.846	24.101	38.686	30.766	36.359	32.596	31.211	32.879	33.544	42.765	38.382	30.879	21.553	25.506	37.893			
Solver Time		0.00681572	0.033323	0.0353116	0.105585	1.32673	1.42396	4.57578	5.05071	62.148	215.711	225.862	more than 10 min											
total		0.59981572	85.861323	25.4683116	54.878585	75.14673	18.26996	28.67678	43.73671	92.914	252.07	258.458												