

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	
preprocessing time (normalisation)	0.47	More than 10 min (somewhere on parsing or even before killed)				0.14	89.77	More than 10 min (somewhere on parsing or even before killed)				28.2					6.08				
reachability analysis	0.47					0.14	89.33					22.29					6.07				
Total (with search)	1.09					0.32	181.85					58.74					20.72				
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	
Precompilation time (real time in cmd)	0.037	0.014	0.014	0.014	0.015	0.013	0.019	0.008	0.034	0.022	0.018	0.013	0.019	0.018	0.02	0.021	0.018	0.023	0.023	0.028	
preprocessing time (normalisation)	0	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0.01	0.02	0.01	0.01	0.01	0.01	0.02	
reachability analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total (with search)	0.02	0.01	0.09	0.62	0.11	0.03	0.03	0.02	0.07	0.13	0.48	5.68	5.76	1.38	0.27	0.14	more than 10 min		2.36	more than 10 min	
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	
Precompilation time (real time in cmd)	0.013	0.013	0.013	0.018	0.014	0.022	0.036	0.025	0.092	0.047	0.016	0.015	0.018	0.018	0.02	0.037	0.035	0.039	0.064	0.079	
preprocessing time (normalisation)	0.01	0.01	0.01	0.01	0.02	0.13	0.39	0.15	2.84	0.88	0.01	0.01	0.03	0.03	0.04	0.3	0.21	0.37	1.09	1.7	
reachability analysis	0	0	0	0.01	0	0.01	0.02	0.01	0.16	0.05	0	0	0	0.01	0	0.01	0.01	0.02	0.06	0.09	
Total (with search)	0.68	More than 10 min																			
PDDL size Axioms		99Kb	113Kb	128Kb	142Kb	156Kb	114Kb	139Kb	138Kb	212Kb	183Kb										
PDDL size Nebel		168Kb	204Kb	244Kb	286Kb	332Kb	1.6Mb	3Mb	1.8Mb	9.8Mb	5.1Mb										
# flags		5	6	7	9	10	123	214	116	580	274										
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	
preprocessing time	1.389	220.079	More than 10 min on simplifying axioms			0.463	35.229	More than 10 min on simplifying axioms				36.301	more than 10 min				5.331				
Solver Time	0.0866135	2.70605	translate exit code: -9			0.0252711	0.101737	translate exit code: -9				2.40094					0.076071				
total	1.4756135	222.78505				0.4882711	35.330737					38.70194					5.407071				
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	
preprocessing time	2.706	3.125	3.667	3.94	4.326	2.872	3.399	3.76	4.544	4.53	15.028	17.301	19.091	20.487	22.001	14.902	18.058	20.407	21.227	23.799	
Solver Time	0.0111903	0.0154595	0.0338266	0.0558294	0.0374769	0.0153304	0.0221395	0.0336349	0.191862	0.143359	0.0463493	8.91305	28.5054	165.889	0.109716	0.0218639	0.402739	8.15056	0.560754	1.92758	
total	2.7171903	3.1404595	3.7008266	3.9958294	4.3634769	2.8873304	3.4211395	3.7936349	4.735862	4.673359	15.0743493	26.21405	47.5964	186.376	22.110716	14.9238639	18.460739	28.55756	21.787754	25.72658	
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	
preprocessing time	12.978	10.087	8.624	7.16	8.612	32.194	62.152	40.655	195.615	80.1	11.023	9.235	10.721	10.39	9.138	45.912	29.353	32.266	74.812	120.352	
Solver Time	10.0265	more than 10 min				147.869															
total	23.0045					180.063															