

Planner FF and pure problem instances																
time\SIZE		14	15	16	17	20	25	30	35	40	45	50	55	60	65	70
preprocessing time (normalisation)		0	0	0	0	0	0.01	0.01	0.02	0.03	0.06	0.1	0.14	0.21	0.28	0.39
reachability analisys		0	0.01	0.01	0.02	0.02	0.04	0.06	0.09	0.16	0.19	0.27	0.38	0.51	0.69	0.87
Total (with search)		0.01	0.02	0.03	0.03	0.03	0.08	0.12	0.25	0.48	0.66	0.96	1.34	1.77	2.22	2.94
Planner FF and SIMPLE-ADL with AXIOMS																
time\SIZE		14	15	16	17	20	25	30	35	40	45	50	55	60	65	70
Precompilation time (real time in cmd)		0.036	0.041	0.052	0.063	0.082	0.148	0.26	0.389	0.583	0.83	1.165	1.628	2.032	2.607	3.308
preprocessing time (normalisation)		0.11	0.13	0.19	0.22	0.41	0.99	2.13	4.28	7.25	13.05	20.9	31.79	47.29	62.22	90.6
reachability analisys		0	0.01	0.02	0.01	0.03	0.07	0.11	0.15	0.25	0.34	0.48	0.63	0.85	1.05	1.31
Total (with search)		0.12	0.15	0.22	0.24	0.46	1.08	2.33	4.54	7.75	13.74	21.79	33.09	48.88	64.09	93.05
Planner FF and SIMPLE-ADL with Nebel's flag encoding																
time\SIZE		14	15	16	17	20	25	30	35	40	45	50	55	60	65	70
Precompilation time (real time in cmd)		0.176	0.206	0.273	0.356	0.936	2.156	5.53	11.375	reached memory limiit						
preprocessing time (normalisation)		1.35	2.03	2.88	4.17	10.48	39.8	killed								
reachability analisys		0.16	0.25	0.37	0.56	1.62	6.93									
Total (with search)		1.53	2.3	3.28	4.76	12.14	46.78									
PDDL size Axioms		2Mb	2Mb	3Mb	3Mb	5Mb	10Mb	17Mb	26Mb	39Mb	55Mb	76Mb	100Mb	130Mb	165Mb	206Mb
PDDL size Nebel		23Mb	32Mb	44Mb	60Mb	134Mb	407Mb	1Gb	2.2Gb	4.4Gb (!)	7.7Gb					
due to actions with 3/4 variables - ADL is huge		227	258	291	326	443	678	963	1297	1682	2117	2602	3137	3722	4357	5042
Planner FD and pure problem instances																
time\SIZE		14	15	16	17	20	25	30	35	40	45	50	55	60	65	70
preprocessing time		0.947	1.226	1.418	1.707	2.719	5.575	9.435	14.173	21.783	30.996	42.546	55.189	71.764	92.578	116.74
Solver Time		0.0806991	0.094315	0.116534	0.16953	0.239463	0.632958	1.3347	1.98201	3.0873	4.70631	6.52498	9.16322	12.1172	15.4241	20.6529
total		1.0276991	1.320315	1.534534	1.87653	2.958463	6.207958	10.7697	16.15501	24.8703	35.70231	49.07098	64.35222	83.8812	108.0021	137.3929
Planner FD and SIMPLE-ADL with AXIOMS																
time\SIZE		14	15	16	17	20	25	30	35	40	45	50	55	60	65	70
preprocessing time		303.123	303.607	304.564	305.63	309.563	317.6	330.334	350.368	374.954	401.322	448.4	492.252	539.535	more than 10 min	
Solver Time		0.0552748	0.0265948	0.0929416	0.139144	0.288479	0.713869	1.39877	2.45423	3.9062	5.86039	8.17632	11.2173	14.6622		
total		303.1782748	303.6335948	304.6569416	305.769144	309.851479	318.313869	331.73277	352.82223	378.8602	407.18239	456.57632	503.4693	554.1972		
Planner FD and SIMPLE-ADL with Nebel's flag encoding																
time\SIZE		14	15	16	17	20	25	30	35	40	45	50	55	60	65	70
preprocessing time		252.124	217.164	485.901	449.523	more than 10 min										
Solver Time		11.8498	19.7132	35.4896	53.2752											
total		263.9738	236.8772	521.3906	502.7982											