

Planner FF and pure problem instances (directly from EKAB)

time\SIZE	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
preprocessing time (normalisation)	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.1	0.14
reachability analisys	0	0	0	0	0	0	0	0.01	0.03	0.04	0.05	0.07	0.1	0.13	0.17	0.22	0.28	0.36	0.43	0.52
Total (with search)	0	0	0	0.01	0.02	0.01	0.05	0.04	0.06	0.09	0.14	0.18	0.28	0.39	0.49	0.76	1.01	1.24	1.92	2.47

Planner FF and SIMPLE-ADL with AXIOMS (directly from EKAB)

time\SIZE	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Precompilation time (real time in cmd)	0.01	0.007	0.011	0.016	0.018	0.023	0.026	0.03	0.032	0.048	0.052	0.068	0.08	0.099	0.113	0.142	0.167	0.201	0.238	0.297
preprocessing time (normalisation)	0	0	0	0	0	0	0	0	0	0	0.01	0	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04
reachability analisys	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0.01
Total (with search)	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.03	0.04	0.05	0.05	0.07	0.07

Planner FF and SIMPLE-ADL with Nebel's flag encoding

time\SIZE	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Precompilation time (real time in cmd)	0.005	0.011	0.017	0.014	0.017	0.018	0.026	0.034	0.028	0.048	0.054	0.067	0.073	0.093	0.113	0.143	0.175	0.205	0.253	0.301
preprocessing time (normalisation)	0	0	0	0	0.01	0.01	0.01	0.02	0.02	0.02	0.04	0.06	0.07	0.09	0.13	0.16	0.22	0.3	0.45	0.49
reachability analisys	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.05	0.03
Total (with search)	2.2	more than 10 min																		

PDDL size Axioms	7Kb	12Kb	17Kb	22Kb	31Kb	60Kb	130Kb	241Kb
PDDL size Nebel	24Kb	39Kb	56Kb	77Kb	102Kb	213Kb	518Kb	1Mb
# flags	31	40	62	82	102	177	350	569

Planner FD and pure problem instances (directly from EKAB)

time\SIZE	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
preprocessing time	0.21	0.516	2.751	56.642	more than 10 min															
Solver Time	0.00341915	0.00730679	0.0172036	0.0528028																
total	0.21341915	0.52330679	2.7682036	56.6948028																

Planner FD and SIMPLE-ADL with AXIOMS (directly from EKAB)

time\SIZE	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
preprocessing time	8.344	10.43	11.298	10.289	10.829	18.318	14.508	17.536	16.941	17.569	19.086	31.277	31.767	39.09	51.65	62.772	43.208	32.506	85.105	33.731
Solver Time	0.00281092	0.00412262	0.00528933	0.00794621	0.0110631	0.0177861	0.0294067	0.0584523	0.099554	0.164539	0.208405	0.323493	0.590675	0.861783	1.04643	1.73176	2.40472	2.79837	4.39058	5.05911
total	8.34681092	10.43412262	11.30328933	10.29694621	10.8400631	18.3357861	14.5374067	17.5944523	17.040554	17.733539	19.294405	31.600493	32.357675	39.951783	52.69643	64.50376	45.61272	35.30437	89.49558	38.79011

Planner FD and SIMPLE-ADL with Nebel's flag encoding

time\SIZE	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
preprocessing time	21.599	16.335	19.099	23.753	24.418	15.906	46.884	51.389	52.319	73.869	74.315	95.831	50.902	95.435	69.758	91.091	138.839	129.66	141.884	204.406
Solver Time	0.282088	more than 10 min																		
total	21.881088																			