

October 24, 2017

## 1 Learning from plans

### 1.1 Empty domains

Table 1: Results PLANS empty domains

Domain	Pre		Add		Del	
	P	R	P	R	P	R
Blocks	1.0	1.0	1.0	1.0	1.0	1.0
Driverlog	1.0	0.4286	0.6667	0.8571	1.0	0.8571
Ferry	0.8	0.5714	1.0	1.0	1.0	1.0
Floortile	0.5385	0.6364	0.9	0.8182	1.0	0.9091
Gripper	1.0	0.6667	1.0	1.0	1.0	1.0
Miconic	0.75	0.3333	1.0	0.75	0.75	1.0
Satellite	0.6667	0.2857	1.0	1.0	1.0	0.75
Transport	1.0	0.3	0.5714	0.8	1.0	0.6
Visitall	1.0	0.5	1.0	1.0	1.0	1.0
Zenotravel	1.0	0.3571	0.75	0.8571	1.0	0.7143

Table 2: Time PLANS empty domains

Domain	Total time	Preprocess	Plan length
Blocks	0.04	0.00	72
Driverlog	0.10	0.06	127
Ferry	0.20	0.10	58
Floortile	2.15	1.21	170
Gripper	0.01	0.00	45
Miconic	0.10	0.09	54
Satellite	0.20	0.14	67
Transport	0.20	0.18	60
Visitall	0.43	0.39	37
Zenotravel	2.78	2.76	70

## 1.2 Partial domains

Table 3: Results PLANS partial domains

Domain	Pre		Add		Del	
	P	R	P	R	P	R
Blocks	1.0	1.0	1.0	1.0	1.0	1.0
Driverlog	1.0	0.4286	1.0	1.0	1.0	0.75
Ferry	1.0	0.6667	0.5	1.0	1.0	1.0
Floortile	0.5	0.6	1.0	0.8	1.0	0.8
Gripper	1.0	0.5	1.0	1.0	1.0	1.0
Miconic	1.0	0.25	1.0	1.0	1.0	1.0
Satellite	1.0	0.5714	0.5	1.0	1.0	1.0
Transport	1.0	0.25	1.0	1.0	1.0	0.5
Zenotravel	1.0	0.5	0.6667	0.6667	1.0	1.0

Table 4: Time PLANS empty domains

Domain	Total time	Preprocess	Plan length
Blocks	0.07	0.01	54
Driverlog	0.06	0.03	71
Ferry	0.18	0.14	50
Floortile	0.81	0.68	92
Gripper	0.01	0.00	37
Miconic	0.06	0.04	40
Satellite	0.18	0.12	43
Transport	0.15	0.14	33
Zenotravel	2.54	2.54	42

### 1.3 Full domains (i.e. PLAN RECOGNITION)

Table 5: Time PLANS full domains

Domain	Total time	Preprocess
Blocks	0.00	0.00
Driverlog	0.04	0.04
Ferry	0.01	0.01
Floortile	0.03	0.03
Gripper	0.00	0.00
Miconic	0.01	0.01
Satellite	0.30	0.29
Transport	0.02	0.02
Visitall	0.07	0.07
Zenotravel	11.65	11.39

## 2 Learning without plans (NOT UPDATED)

### 2.1 LENPLAN

Table 6: Results LENPLAN

Domain	Pre		Add		Del	
	P	R	P	R	P	R
Blocks	0.3	1.0	nan	0.0	0.375	0.6667
Visitall	-	-	-	-	-	-
Gripper	0.6	1.0	nan	0.0	0.4444	1.0
Miconic	0.3636	0.4444	0.4	0.5	0.3333	0.3333
Floortile	-	-	-	-	-	-
Pegsol	-	-	-	-	-	-

Table 7: Time LENPLAN

Domain	Total time	Preprocess	Plan length
Blocks	220.75	0.00	72
Visitall	-	-	-
Gripper	5.98	0.00	45
Miconic	66.85	0.21	56
Floortile	-	-	-
Pegsol	-	-	-

## 2.2 MINIMUM

Table 8: Results MINIMUM

Domain	Pre		Add		Del	
	P	R	P	R	P	R
Blocks	0.2609	0.6667	0.0	0.0	0.25	0.3333
Visitall	-	-	-	-	-	-
Gripper	0.6	1.0	nan	0.0	0.375	0.75
Miconic	0.375	1.0	nan	0.0	0.2857	0.6667
Floortile	0.3846	0.2273	0.5	0.1818	0.6667	0.3636
Pegsol	-	-	-	-	-	-

Table 9: Time MINIMUM

Domain	Total time	Preprocess	Plan length
Blocks	7.62	0.01	67
Visitall	-	-	-
Gripper	0.12	0.00	47
Miconic	0.32	0.01	56
Floortile	23.25	0.37	156
Pegsol	-	-	-