

Operator-Counting Goal Recognition - Results (Missing)

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Noisy, Partial, and Full Observability																		
#	\mathcal{G}	% Obs	\mathcal{O}	δ_{HC}			δ_{HCU}			RG 2009			POM 2017 h_{gc}			POM 2017 h_{unig}		
				Time	Acc %	S in \mathcal{G}	Time	Acc %	S in \mathcal{G}	Time	Acc %	S in \mathcal{G}	Time	Acc %	S in \mathcal{G}	Time	Acc %	S in \mathcal{G}
BLOSCS (144)	20.3	25	2.4	16.033	58.3%	6.22	16.019	75.0%	10.39	1.045	38.9%	5.39	0.083	2.8%	1.22	0.083	8.3%	1.0
		50	4.4	12.626	52.8%	3.31	12.675	88.9%	12.44	1.122	52.8%	4.61	0.083	25.0%	1.19	0.083	13.9%	1.08
		75	6.8	11.282	80.6%	2.11	11.235	91.7%	7.36	1.405	75.0%	2.72	0.056	47.2%	1.19	0.056	38.9%	1.25
		100	8.8	10.576	88.9%	1.92	10.629	97.2%	2.86	1.652	86.1%	2.03	0.083	77.8%	1.36	0.056	75.0%	1.33
DEPOSITS (144)	9.3	25	4.4	11.495	52.8%	2.19	11.445	63.9%	4.47	0.284	5.6%	9.17	0.528	38.9%	1.64	0.528	27.8%	1.22
		50	8.4	10.299	61.1%	1.67	10.263	83.3%	4.14	0.189	0.0%	9.33	0.472	52.8%	1.22	0.472	41.7%	1.19
		75	12.7	8.671	88.9%	1.19	8.674	94.4%	2.14	0.361	11.1%	8.28	0.472	80.6%	1.11	0.5	75.0%	1.06
		100	16.2	8.098	94.4%	1.19	8.075	91.7%	1.19	0.292	5.6%	8.83	0.472	88.9%	1.11	0.472	86.1%	1.11
DRIVERLOG (144)	6.6	25	3.5	5.383	55.6%	2.61	5.362	83.3%	4.69	0.244	53.9%	4.69	0.244	53.9%	4.69	0.244	53.9%	4.69
		50	6.7	4.982	77.8%	1.72	4.97	91.7%	3.47	0.282	38.9%	4.72	0.083	58.3%	1.28	0.083	52.8%	1.11
		75	10.0	4.825	86.1%	1.25	4.855	94.4%	2.31	0.239	30.6%	5.47	0.083	61.1%	1.33	0.111	52.8%	1.14
		100	12.8	4.511	97.2%	1.31	4.511	97.2%	1.64	0.358	44.4%	4.42	0.083	94.4%	1.47	0.083	97.2%	1.42
DNR (144)	7.0	25	9.2	7.546	72.2%	2.0	7.614	97.2%	5.11	0.808	41.7%	5.67	0.444	44.4%	1.14	0.5	33.3%	1.0
		50	17.8	7.108	80.6%	1.67	7.153	94.4%	4.47	1.569	22.2%	5.39	0.417	63.9%	1.08	0.444	50.0%	1.06
		75	26.6	6.509	91.7%	1.22	6.482	94.4%	1.78	2.793	19.4%	5.5	0.417	94.4%	1.06	0.472	69.4%	1.08
		100	34.9	5.803	100.0%	1.08	5.768	97.2%	1.06	7.392	30.6%	4.42	0.444	94.4%	1.0	0.472	94.4%	1.03
IPC-GRID (300)	8.3	25	4.0	7.871	81.1%	1.67	7.889	85.6%	2.61	0.265	12.2%	7.56	0.244	58.9%	1.78	0.233	53.3%	1.72
		50	7.7	6.03	94.4%	1.14	6.011	94.4%	1.71	0.2	4.4%	8.07	0.222	85.6%	1.33	0.211	83.3%	1.32
		75	11.5	5.481	98.9%	1.1	5.497	97.8%	1.13	0.223	6.7%	7.89	0.211	94.4%	1.09	0.211	94.4%	1.09
		100	16.9	5.01	100.0%	1.0	4.988	90.0%	0.9	0.266	10.0%	7.77	0.2	100.0%	1.0	0.2	100.0%	1.0
FERRY (0)	7.0	25	5.8	4.745	80.6%	2.78	4.736	86.1%	5.11	0.256	75.0%	2.92	0.028	47.2%	1.28	0.028	27.8%	1.08
		50	11.2	4.402	97.2%	1.72	4.365	97.2%	3.83	0.375	94.4%	1.94	0.028	88.9%	1.31	0.028	77.8%	1.06
		75	16.6	4.236	94.4%	1.56	4.223	97.2%	2.42	0.585	88.9%	1.53	0.028	97.2%	1.17	0.028	83.3%	1.08
		100	21.9	4.187	97.2%	1.17	4.183	97.2%	1.17	0.906	97.2%	1.25	0.028	100.0%	1.08	0.028	97.2%	1.06
LOGISTICS (144)	10.0	25	4.8	7.461	91.7%	2.11	7.446	97.2%	3.42	0.203	3.6%	9.42	0.222	61.1%	1.56	0.222	38.9%	1.08
		50	9.4	6.875	97.2%	1.11	6.848	97.2%	1.36	0.214	5.6%	9.33	0.194	83.3%	1.17	0.167	75.0%	1.06
		75	14.1	6.253	100.0%	1.03	6.234	100.0%	1.06	0.259	13.9%	8.78	0.194	97.2%	1.0	0.167	100.0%	1.03
		100	18.1	5.436	100.0%	1.08	5.438	100.0%	1.08	0.321	13.9%	8.78	0.194	100.0%	1.06	0.194	100.0%	1.03
MCMC (144)	6.0	25	4.4	4.892	52.8%	1.97	4.908	83.3%	4.17	0.318	88.9%	2.89	0.111	50.0%	1.39	0.111	33.3%	1.17
		50	8.4	4.533	80.6%	1.17	4.566	97.2%	2.17	0.387	100.0%	1.75	0.083	83.3%	1.11	0.083	80.6%	1.11
		75	12.6	4.387	91.7%	1.06	4.379	100.0%	1.31	0.483	100.0%	1.19	0.083	97.2%	1.03	0.083	88.9%	1.03
		100	16.3	4.294	100.0%	1.03	4.311	100.0%	1.08	0.628	100.0%	1.0	0.056	100.0%	1.0	0.056	100.0%	1.0
ROVERS (144)	6.0	25	3.1	5.346	72.2%	2.22	5.359	75.0%	2.78	0.264	33.3%	4.78	0.083	52.8%	1.14	0.083	50.0%	1.14
		50	5.7	4.973	80.6%	1.61	4.941	88.9%	2.92	0.296	50.0%	3.81	0.056	69.4%	1.31	0.056	58.3%	1.08
		75	8.4	4.889	91.7%	1.14	4.905	100.0%	1.47	0.301	44.4%	3.92	0.083	86.1%	1.14	0.056	75.0%	1.08
		100	10.8	4.513	100.0%	1.03	4.53	100.0%	1.03	0.305	38.9%	4.06	0.083	97.2%	1.11	0.056	86.1%	1.03
SATELLITE (144)	6.0	25	3.3	4.51	75.0%	3.31	4.444	88.9%	4.28	0.224	58.3%	4.53	0.056	52.8%	2.42	0.056	30.6%	1.33
		50	5.7	4.056	72.2%	2.44	4.091	83.3%	3.92	0.255	72.2%	3.58	0.028	72.2%	2.08	0.028	44.4%	1.31
		75	8.4	3.915	83.3%	1.44	3.966	88.9%	2.83	0.28	77.8%	2.75	0.028	80.6%	1.28	0.028	69.4%	1.08
		100	10.7	3.929	94.4%	1.47	3.935	94.4%	1.86	0.298	72.2%	3.0	0.056	94.4%	1.31	0.028	91.7%	1.19
SONGBAN (0)	8.6	25	5.3	13.104	36.1%	1.64	13.101	72.2%	4.69	1.953	25.0%	7.28	0.75	41.7%	1.75	0.75	38.9%	1.56
		50	10.3	11.319	50.0%	1.17	11.323	58.3%	1.94	2.086	19.4%	6.67	0.667	66.7%	1.44	0.694	58.3%	1.08
		75	15.6	9.527	36.1%	1.0	9.46	36.1%	0.56	2.121	19.4%	7.69	0.694	80.6%	1.28	0.667	72.2%	1.03
		100	20.1	8.946	33.3%	1.11	9.029	36.1%	0.5	5.878	33.3%	6.47	0.694	94.4%	1.22	0.694	86.1%	1.06
ZENO (144)	6.6	25	3.0	8.209	44.4%	2.72	8.27	80.6%	5.25	0.946	72.2%	3.92	0.417	55.6%	1.92	0.417	33.3%	1.03
		50	5.8	7.712	91.7%	1.61	7.653	97.2%	4.03	1.025	88.9%	1.78	0.361	77.8%	1.67	0.361	61.1%	1.08
		75	8.8	6.785	91.7%	1.08	6.766	100.0%	2.44	1.167	100.0%	1.22	0.361	88.9%	1.25	0.361	77.8%	1.0
		100	11.3	6.177	97.2%	1.0	6.141	100.0%	1.42	1.289	97.2%	1.08	0.361	97.2%	1.08	0.333	97.2%	1.03
Average				6.870	80.14%	1.69	6.868	88.68%	3.04	0.929	47.22%	5.01	0.234	73.21%	1.30	0.234	64.71%	1.13

Table 1: Goal recognition results.