

Monolithic Results

Instance Name	A*(GNN)			BFS			P5		
	Length.	Nodes	Time[ms]	Length.	Nodes	Time[ms]	Length.	Nodes	Time[ms]
Assemble_B3-pl.5	5	14	164	5	14	378	5	14	378
Assemble_B5-pl.5	5	14	223	5	14	323	5	14	323
Assemble_B7-pl.5	5	14	4368	5	14	8500	5	14	8500
CC.2.2.3-pl.4	4	13	183	6	12	116	6	12	116
CC.2.2.3-pl.6	6	62	424	7	17	228	7	17	228
CC.2.2.4-pl.5	7	43	938	14	43	847	14	43	847
CC.2.3.4-pl.3	5	6	2517	7	9	4534	7	9	4534
CC.2.3.4-pl.7	11	2054	88913	–	–	TO	–	–	TO
CC.3.2.3-pl.4	5	13	219	8	12	406	8	12	406
CC.3.2.3-pl.5	6	51	888	21	3442	92075	21	3442	92075
CC.3.3.3-pl.4	6	19	1730	7	8	788	7	8	788
Coin.in.the.Box-pl.3	3	17	220	4	12	160	4	12	160
Coin.in.the.Box-pl.6	6	381	3534	–	–	TO	–	–	TO
SC.4.1-pl.3	3	4	51	3	4	57	3	4	57
SC.4.2-pl.7	7	120	609	–	–	TO	–	–	TO
SC.4.3-pl.5	5	17	116	–	–	TO	–	–	TO
SC.8.10-pl.6	6	49	315	483	4776	50264	483	4776	50264
SC.9.11-pl.6	6	26	179	–	–	TO	–	–	TO
SC.9.11-pl.8	8	66	388	–	–	TO	–	–	TO
SC.10.8-pl.10	10	10	174	10	10	153	10	10	153
SC.10.8-pl.15	15	130	824	–	–	TO	–	–	TO
SC.10.10-pl.6	6	309	8676	–	–	TO	–	–	TO
SC.10.10-pl.7	7	647	17999	–	–	TO	–	–	TO
SC.10.10-pl.10	10	3096	80030	–	–	TO	–	–	TO
SC.10.10-pl.13	13	51	431	17	49	406	17	49	406
avg± std (all)	7 ± 3	289 ± 705	8565 ± 22733	40 ± 118	562 ± 1412	10616 ± 25045	40 ± 118	562 ± 1412	10616 ± 25045
iqm± iqr (all)	6 ± 2	40 ± 106	748 ± 2298	7 ± 7	14 ± 19	482 ± 2496	7 ± 7	14 ± 19	482 ± 2496
avg± std (comm)	6 ± 2	25 ± 19	856 ± 1148	40 ± 118	562 ± 1412	10616 ± 25045	40 ± 118	562 ± 1412	10616 ± 25045
iqm± iqr (comm)	5 ± 1	18 ± 33	389 ± 712	7 ± 7	14 ± 19	482 ± 2496	7 ± 7	14 ± 19	482 ± 2496
Solved Instances		25/25 (100.00%)			15/25 (60.00%)			15/25 (60.00%)	

Table 1: Comparison of execution on the domain over the **Train** instances. The model used by A*(GNN) has been trained using the instances reported in this Table.