

Monolithic Results

Instance Name	A*(GNN)			BFS			P5			
	Length.	Nodes	Time[ms]	Length.	Nodes	Time[ms]	Length.	Nodes	Time[ms]	search
Assemble.B3-pl.5	5	14	164	5	14	154	5	14	308	A*(GNN)
Assemble.B5-pl.5	5	14	223	5	14	371	5	14	475	A*(GNN)
Assemble.B7-pl.5	5	14	4368	5	14	4790	5	14	9894	A*(GNN)
CC_2.2.3-pl.4	4	13	183	5	9	141	4	14	171	A*(GNN)
CC_2.2.3-pl.6	6	62	424	6	10	106	6	178	1532	A*(GNN)
CC_2.2.4-pl.5	7	43	938	9	77	2507	5	94	3483	A*(GNN)
CC_2.3.4-pl.3	5	6	2517	3	3	1381	3	19	6067	A*(GNN)
CC_2.3.4-pl.7	11	2054	88913	9	22	3244	7	4153	585278	A*(GNN)
CC_3.2.3-pl.4	5	13	219	5	7	160	4	47	689	A*(GNN)
CC_3.2.3-pl.5	6	51	888	6	45	463	5	136	2088	A*(GNN)
CC_3.3.3-pl.4	6	19	1730	4	4	495	4	39	1337	A*(GNN)
Coin.in.the.Box-pl.3	3	17	220	3	17	129	3	17	228	A*(GNN)
Coin.in.the.Box-pl.6	6	381	3534	6	381	2748	6	381	3760	A*(GNN)
SC_4.1-pl.3	3	4	51	3	4	52	3	4	96	A*(GNN)
SC_4.2-pl.7	7	120	609	7	120	545	7	97	533	A*(GNN)
SC_4.3-pl.5	5	17	116	5	17	62	5	17	98	A*(GNN)
SC_8.10-pl.6	6	49	315	6	49	343	6	113	882	A*(GNN)
SC_9.11-pl.6	6	26	179	6	26	161	6	26	198	A*(GNN)
SC_9.11-pl.8	8	66	388	8	66	271	8	66	500	A*(GNN)
SC_10.8-pl.10	10	10	174	10	10	97	10	10	108	A*(GNN)
SC_10.8-pl.15	15	130	824	15	130	543	15	130	822	A*(GNN)
SC_10.10-pl.6	6	309	8676	6	309	5998	6	298	8135	A*(GNN)
SC_10.10-pl.7	7	647	17999	7	647	11495	7	589	16064	A*(GNN)
SC_10.10-pl.10	10	3096	80030	10	3096	58382	10	1977	51904	A*(GNN)
SC_10.10-pl.13	13	51	431	13	51	360	13	51	358	A*(GNN)
avg± std (all)	7 ± 3	289 ± 705	8565 ± 22733	7 ± 3	206 ± 608	3800 ± 11431	6 ± 3	340 ± 871	27800 ± 114266	
iqr± iqr (all)	6 ± 2	40 ± 106	748 ± 2298	6 ± 3	31 ± 67	596 ± 2353	6 ± 2	66 ± 119	1290 ± 3452	
avg± std (comm)	7 ± 3	289 ± 705	8565 ± 22733	7 ± 3	206 ± 608	3800 ± 11431	6 ± 3	340 ± 871	27800 ± 114266	
iqr± iqr (comm)	6 ± 2	40 ± 106	748 ± 2298	6 ± 3	31 ± 67	596 ± 2353	6 ± 2	66 ± 119	1290 ± 3452	
Solved Instances		25/25 (100.00%)			25/25 (100.00%)			25/25 (100.00%)		

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.