## Monolithic Combined Results (All Domains)

Search prefix:

## Training

Mode	Domain	Problem	Goal	Length	Nodes	Total (ms)	Init (ms)	Search (ms)	Overhead (ms)	Search
Training	Assemble	Assemble_B3pl_5	Yes	5	14	173	1	148	23	HFS(GNN)
Training	Assemble	$Assemble_B5\_pl_5$	Yes	5	14	308	1	257	49	HFS(GNN)
Training	Assemble	$Assemble\_B7\_\_pl\_5$	Yes	5	14	4492	1	4456	34	HFS(GNN)
Training	CC	$CC_2_2_3_pl_4$	Yes	6	6	77	3	39	34	HFS(GNN)
Training	CC	$CC_2_2_3_pl_6$	Yes	9	27	95	5	62	27	HFS(GNN)
Training	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-5}$	Yes	9	11	431	11	351	68	HFS(GNN)
Training	CC	$CC_{-2}_{-3}_{-4}_{-pl}_{-3}$	Yes	3	3	1243	271	925	46	HFS(GNN)
Training	CC	$CC_2_3_4_pl_7$	TO	-	-	-	-	-	-	-
Training	CC	$CC_3_2_3_pl_4$	Yes	6	9	190	8	146	35	HFS(GNN)
Training	CC	$CC_3_2_3_pl_5$	Yes	9	21	517	12	461	43	HFS(GNN)
Training	CC	$CC_3_3_3_pl_4$	Yes	5	5	211	29	158	23	HFS(GNN)
Training	CoinBox	$Coin\_in\_the\_Box\_\_pl\_3$	Yes	4	11	102	5	68	28	HFS(GNN)
Training	CoinBox	$Coin\_in\_the\_Box\_\_pl\_6$	Yes	6	21	152	6	113	32	HFS(GNN)
Training	SCRich	$SC_{10_{-}10_{-}pl_{-}10}$	TO	-	-	-	-	-	-	-
Training	SC	$SC_10_10_pl_13$	Yes	17	49	276	5	230	40	HFS(GNN)
Training	SCRich	$SC_{-10}_{-10}_{-pl}_{-6}$	TO	-	-	-	-	-	-	-
Training	SCRich	$SC_{-10}_{-10}_{-pl}_{-7}$	TO	-	-	-	-	-	-	-
Training	$\operatorname{SC}$	$SC_{-10}_{-8}$ _pl_10	Yes	10	10	52	5	17	29	HFS(GNN)
Training	$\operatorname{SC}$	$SC_{-}10_{-}8_{-}pl_{-}15$	TO	-	-	=	-	-	-	-
Training	$\operatorname{SC}$	$SC_4_1\_pl_3$	Yes	3	4	38	1	5	31	HFS(GNN)
Training	SC	$SC_4_2_pl_7$	TO	-	-	-	-	-	-	-
Training	SC	$SC_4_3_pl_5$	TO	-	-	-	-	-	-	-
Training	SC	SC_8_10pl_6	Yes	12	50	392	8	329	54	HFS(GNN)
Training	$\operatorname{SC}$	$SC_{-9}_{-11}_{-pl}_{-6}$	Yes	20	591	2860	9	2809	41	HFS(GNN)
Training	$\operatorname{SC}$	$SC_{-9}_{-11}_{-pl}_{-8}$	TO	-	-	-	-	-	-	-
Averages:			17/25~(68%)	7.88	50.59	682.88	22.41	622	37.47	

Test

Mode	Domain	Problem	Goal	Length	Nodes	Total (ms)	Init (ms)	Search (ms)	Overhead (ms)	Search
Test	Assemble	Assemble_B10pl_5	ТО	-	-	-	-	-	-	-
Test	Assemble	$Assemble_B2\_pl_5$	Yes	5	14	192	1	163	27	HFS(GNN)
Test	Assemble	$Assemble_B4\_pl_5$	Yes	5	14	231	1	196	33	HFS(GNN)
Test	Assemble	$Assemble_B6\_pl_5$	Yes	5	14	691	1	630	59	HFS(GNN)
Test	Assemble	$Assemble_B8\_pl_5$	Yes	5	14	23579	2	23538	38	HFS(GNN)
Test	Assemble	$Assemble_B9\_pl_5$	Yes	5	14	262615	1	262558	55	HFS(GNN)
Test	Assemble	$Assemble_C_pl_5$	Yes	5	14	189	1	137	50	HFS(GNN)
Test	CC	$CC_2_2_3_pl_3$	Yes	5	7	83	5	50	27	HFS(GNN)
Test	CC	$CC_2_2_3_pl_5$	Yes	6	8	121	4	29	87	HFS(GNN)
Test	CC	$CC_{-2}_{-2}_{-3}_{-pl}_{-7}$	TO	-	-	-	-	-	-	-
Test	CC	$CC_{-2}_{-2}_{-3}_{-pl}_{-8}$	TO	-	-	-	-	-	-	-
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-3}$	Yes	3	3	210	29	129	51	HFS(GNN)
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-4}$	Yes	10	14	439	20	360	58	HFS(GNN)
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-6}$	Yes	9	15	845	36	724	84	HFS(GNN)
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-7}$	Yes	9	22	944	45	825	73	HFS(GNN
Test	CC	$CC_{-2}_{-3}_{-4}_{-pl}_{-4}$	Yes	12	20	3117	342	2703	71	HFS(GNN
Test	CC	$CC_{-2}_{-3}_{-4}_{-pl}_{-5}$	Yes	7	7	2239	311	1873	54	HFS(GNN
Test	CC	$CC_{-2}_{-3}_{-4}_{-pl}_{-6}$	Yes	9	10	5006	369	4526	110	HFS(GNN
Test	CC	$CC_3_2_3_pl_3$	Yes	3	3	85	13	28	43	HFS(GNN)
Test	CC	$CC_{-3-2-3-pl_{-}6}$	Yes	13	75	1339	15	1273	50	HFS(GNN)
Test	CC	$CC_3_2_3_pl_7$	Yes	9	23	360	11	312	36	HFS(GNN)
Test	CC	$CC_3_3_3_pl_3$	Yes	5	6	469	34	391	43	HFS(GNN)
Test	CC	$CC_3_3_3pl_5$	Yes	8	11	1244	34	1155	54	HFS(GNN)
Test	CC	$CC_3_3_3pl_6$	TO	-	-	-	-	-	-	-
Test	CC	CC_3_3_3pl_7	TO	-	-	-	-	-	-	-
Test	CoinBox	$Coin_in_the_Box_pl_2$	Yes	2	2	46	5	8	32	HFS(GNN)
Test	CoinBox	$Coin_in_the_Box_pl_5$	Yes	5	13	132	6	96	29	HFS(GNN)
Test	CoinBox	$Coin_in_the_Box_pl_7$	TO	_	-	-	-	-	-	-
Test	$\operatorname{SC}$	$SC_{-10_{-10_{-pl}}10}$	Yes	11	17	137	7	84	45	HFS(GNN)
Test	$\operatorname{SCRich}$	$SC_10_10_pl_13$	TO	-	-	-	-	-	-	-
Test	$\operatorname{SCRich}$	$SC_{10_{-}10_{-}pl_{-}14}$	TO	-	-	-	-	-	-	-
Test	$\operatorname{SC}$	$SC_10_10_pl_17$	Yes	494	4777	39347	8	39122	216	HFS(GNN)
Test	$\operatorname{SCRich}$	$SC_10_10_pl_17$	TO	_	-	-	-	-	-	-
Test	$\operatorname{SCRich}$	$SC_10_10_pl_2$	Yes	2	3	147	10	101	35	HFS(GNN)
Test	$\operatorname{SCRich}$	$SC_10_10_pl_3$	TO	_	-	-	-	-	-	-
Test	$\operatorname{SC}$	SC_10_10pl_9	Yes	9	10	122	5	49	67	HFS(GNN)
Test	SCRich	SC_10_10pl_9	Yes	209	2527	55799	25	55695	78	HFS(GNN)
Test	$\operatorname{SC}$	SC_10_8pl_14	Yes	16	$3\overline{3}$	208	6	138	63	HFS(GNN
Test	$\operatorname{SC}$	SC_10_8pl_9	TO	-	-	-	-	-	-	-
Test	$\operatorname{SC}$	SC_4_1pl_5	TO	-	-	-	-	-	-	-
Test	SC	SC 4.2 pl 5	TO	_	_	_	_	_	_	_

## Combined (Training + Test)

Mode	Domain	Problem	Goal	Length	Nodes	Total (ms)	Init (ms)	Search (ms)	Overhead (ms)	Search
Test	Assemble	Assemble_B10pl_5	ТО	-		-	-	-	-	-
Test	Assemble	$Assemble_B2\_pl_5$	Yes	5	14	192	1	163	27	HFS(GNN)
Test	Assemble	$Assemble_B4\_pl_5$	Yes	5	14	231	1	196	33	HFS(GNN)
Test	Assemble	$Assemble_B6\_pl_5$	Yes	5	14	691	1	630	59	HFS(GNN)
Test	Assemble	$Assemble_B8\_pl_5$	Yes	5	14	23579	2	23538	38	HFS(GNN)
Test	Assemble	$Assemble_B9pl_5$	Yes	5	14	262615	1	262558	55	HFS(GNN)
Test	Assemble	$Assemble_Cpl_5$	Yes	5	14	189	1	137	50	HFS(GNN)
Test	CC	$CC_2_2_3_pl_3$	Yes	5	7	83	5	50	27	HFS(GNN)
Test	CC	$CC_{-2}_{-2}_{-3}_{-pl}_{-5}$	Yes	6	8	121	4	29	87	HFS(GNN)
Test	CC	$CC_{-2}_{-3}_{-pl}_{-7}$	TO	_	-	-	_	-	-	-
Test	CC	CC_2_3_pl_8	TO	_	-	-	_	-	-	_
Test	CC	$CC_{-2}_{-2}_{-1}$	Yes	3	3	210	29	129	51	HFS(GNN)
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-4}$	Yes	10	14	439	20	360	58	HFS(GNN)
Test	CC	CC_2_2_4pl_6	Yes	9	15	845	36	724	84	HFS(GNN)
Test	CC	CC_2_2_4pl_7	Yes	9	22	944	45	825	73	HFS(GNN)
Test	CC	CC_2_3_4pl_4	Yes	12	20	3117	342	2703	71	HFS(GNN)
Test	CC	CC_2_3_4pl_5	Yes	7	7	2239	311	1873	54	HFS(GNN)
Test	CC	CC_2_3_4pl_6	Yes	9	10	5006	369	4526	110	HFS(GNN)
Test	CC	CC_3_2_3pl_3	Yes	3	3	85	13	28	43	HFS(GNN)
Test	CC	CC_3_2_3pl_6	Yes	13	75	1339	15	1273	50	HFS(GNN)
Test	CC	CC_3_2_3pl_7	Yes	9	23	360	11	312	36	HFS(GNN)
Test	CC	CC_3_3_3pl_3	Yes	5	6	469	34	391	43	HFS(GNN)
Test	CC	CC_3_3_3pl_5	Yes	8	11	1244	34	1155	54	HFS(GNN)
Test	CC	CC_3_3_3pl_6	TO	_	_	_	-	-	-	-
Test	CC	CC_3_3_3pl_7	TO	-	_	-	-	-	-	_
Test	CoinBox	Coin_in_the_Boxpl_2	Yes	2	2	46	5	8	32	HFS(GNN)
Test	CoinBox	Coin_in_the_Boxpl_5	Yes	5	13	132	6	96	29	HFS(GNN)
Test	CoinBox	Coin_in_the_Boxpl_7	TO	_	_	-	-	-	-	-
Test	$\operatorname{SC}$	SC_10_10pl_10	Yes	11	17	137	7	84	45	HFS(GNN)
Test	SCRich	SC_10_10pl_13	TO	-	_	-	-	-	-	-
Test	SCRich	SC_10_10pl_14	TO	_	_	-	-	-	-	_
Test	$\operatorname{SC}$	SC_10_10pl_17	Yes	494	4777	39347	8	39122	216	HFS(GNN)
Test	SCRich	SC_10_10pl_17	TO	_	_	-	-	-	-	-
Test	SCRich	SC_10_10pl_2	Yes	2	3	147	10	101	35	HFS(GNN)
Test	SCRich	SC_10_10pl_3	ТО	_	_	_	_	_	-	-
Test	$\operatorname{SC}$	SC_10_10pl_9	Yes	9	10	122	5	49	67	HFS(GNN)
Test	$\stackrel{\sim}{ ext{SCRich}}$	SC_10_10pl_9	Yes	209	2527	55799	$2\overline{5}$	55695	78	HFS(GNN)
Test	SC	SC_10_8pl_14	Yes	16	33	208	6	138	63	HFS(GNN)
Test	$\stackrel{\circ}{ m SC}$	SC_10_8pl_9	TO	-	-	-	-	-	-	-
Test	$\stackrel{\circ}{ m SC}$	SC_4_1pl_5	ТО	_	_	_	_	_	_	_
Tt	60	CC 4.91.5	TO							