## 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	164	1	121	41	A*(GNN)
Training	Assemble	$Assemble_B5\_pl_5$	Yes	5	14	223	1	197	24	A*(GNN)
Training	Assemble	$Assemble_B7\_pl_5$	Yes	5	14	4368	1	4323	43	A*(GNN)
Training	CC	$CC_2_2_3_pl_4$	Yes	4	13	183	5	106	71	A*(GNN)
Training	CC	$CC_2_2_3_pl_6$	Yes	6	62	424	5	386	32	A*(GNN)
Training	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-5}$	Yes	7	43	938	19	846	72	A*(GNN)
Training	CC	$CC_{-2}_{-3}_{-4}_{-pl}_{-3}$	Yes	5	6	2517	248	2188	80	A*(GNN)
Training	CC	$CC_2_3_4\_pl_7$	Yes	11	2054	88913	301	87729	882	A*(GNN)
Training	CC	$CC_3_2_3_pl_4$	Yes	5	13	219	22	136	60	A*(GNN)
Training	CC	$CC_3_2_3_pl_5$	Yes	6	51	888	30	787	70	A*(GNN)
Training	CC	$CC_3_3_3_pl_4$	Yes	6	19	1730	65	1566	98	A*(GNN)
Training	CoinBox	$Coin_in_the_Box_pl_3$	Yes	3	17	220	9	120	90	A*(GNN)
Training	CoinBox	$Coin\_in\_the\_Box\_\_pl\_6$	Yes	6	381	3534	9	3347	177	A*(GNN)
Training	SCRich	$SC_{10_{-}10_{-}pl_{-}10}$	Yes	10	3096	80030	22	79739	268	A*(GNN)
Training	$\operatorname{SC}$	$SC_10_10_pl_13$	Yes	13	51	431	14	281	135	A*(GNN)
Training	SCRich	$SC_{-10}_{-10}_{-pl}_{-6}$	Yes	6	309	8676	35	8563	77	A*(GNN)
Training	SCRich	$SC_{-10}_{-10}_{-pl}_{-7}$	Yes	7	647	17999	32	17810	156	A*(GNN)
Training	$\operatorname{SC}$	SC_10_8pl_10	Yes	10	10	174	11	79	83	A*(GNN)
Training	$\operatorname{SC}$	$SC_{-10_{-}8_{-}pl_{-}15}$	Yes	15	130	824	16	723	84	A*(GNN)
Training	$\operatorname{SC}$	$SC_4_1_pl_3$	Yes	3	4	51	4	6	40	A*(GNN)
Training	SC	$SC_4_2_pl_7$	Yes	7	120	609	9	513	86	A*(GNN)
Training	SC	SC_4_3pl_5	Yes	5	17	116	5	37	73	A*(GNN)
Training	SC	SC_8_10pl_6	Yes	6	49	315	9	262	43	A*(GNN)
Training	SC	$SC_{-9}_{-11}_{-pl}_{-6}$	Yes	6	26	179	13	121	44	A*(GNN)
Training	SC	$SC_{-9}_{-11}_{-pl}_{-8}$	Yes	8	66	388	12	321	54	A*(GNN)
Averages:			25/25~(100%)	6.8	289.04	8564.52	35.92	8412.28	115.32	

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	264	1	192	70	$A^*(GNN$
Test	Assemble	$Assemble_B4\_pl_5$	Yes	5	14	275	1	247	26	A*(GNN
Test	Assemble	$Assemble_B6\_pl_5$	Yes	5	14	804	1	725	77	A*(GNN
Test	Assemble	$Assemble_B8\_pl_5$	Yes	5	14	24655	1	24587	66	A*(GNN
Test	Assemble	$Assemble_B9\_pl_5$	Yes	5	14	295842	2	295803	36	A*(GNN
Test	Assemble	$Assemble_Cpl_5$	Yes	5	14	124	1	94	28	A*(GNN
Test	CC	$CC_2_2_3_pl_3$	Yes	3	9	111	6	50	54	A*(GNN
Test	CC	$CC_{-2}_{-2}_{-3}_{-pl}_{-5}$	Yes	5	17	272	6	147	118	A*(GNN
Test	CC	$CC_{-2}_{-2}_{-3}_{-pl}_{-7}$	Yes	7	163	2390	7	2223	159	A*(GNN
Test	CC	$CC_{-2}_{-2}_{-3}_{-pl}_{-8}$	Yes	8	1327	18235	7	17783	444	A*(GNN
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-3}$	Yes	3	3	217	54	113	49	A*(GNN
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-4}$	Yes	6	7	324	57	192	74	A*(GNN
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-6}$	Yes	6	21	1251	29	1150	71	A*(GNN
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-7}$	Yes	8	129	3989	26	3877	85	A*(GNN
Test	CC	CC_2_3_4pl_4	Yes	5	5	1995	303	1615	76	A*(GNN
Test	CC	CC_2_3_4pl_5	Yes	10	132	20181	389	19431	360	A*(GNN
Test	CC	CC_2_3_4pl_6	Yes	11	1269	65775	285	64950	539	A*(GNN
Test	CC	CC_3_2_3pl_3	Yes	3	4	228	11	59	157	A*(GNN
Test	CC	CC_3_2_3pl_6	Yes	6	74	1201	34	1075	91	A*(GNN
Test	CC	CC_3_2_3pl_7	Yes	8	185	3058	34	2883	140	A*(GNN
Test	CC	CC_3_3_3pl_3	Yes	3	3	218	71	107	39	A*(GNN
Test	CC	CC_3_3_3pl_5	Yes	6	26	1975	35	1864	75	A*(GNN
Test	CC	CC_3_3_3pl_6	Yes	8	226	13395	63	12662	669	A*(GNN
Test	CC	CC_3_3_3pl_7	Yes	8	1476	59481	83	57811	1586	A*(GNN
Test	CoinBox	Coin_in_the_Boxpl_2	Yes	$^{2}$	2	52	9	4	38	A*(GNN
Test	CoinBox	Coin_in_the_Boxpl_5	Yes	5	77	425	12	355	57	A*(GNN
Test	CoinBox	Coin_in_the_Boxpl_7	Yes	7	1817	10395	12	10239	143	A*(GNN
Test	$\operatorname{SC}$	SC_10_10pl_10	Yes	10	15	191	11	100	79	A*(GNN
Test	SCRich	SC_10_10pl_13	Yes	13	15826	285398	15	285039	343	A*(GNN
Test	SCRich	SC_10_10pl_14	ТО	_	_	_	_	_	_	_
Test	$\operatorname{SC}$	SC_10_10pl_17	Yes	17	946	7240	13	6849	377	A*(GNN
Test	SCRich	SC_10_10pl_17	TO	-	-	-	-	-	-	(
Test	SCRich	SC_10_10pl_2	Yes	2	6	280	19	195	65	A*(GNN
Test	SCRich	SC_10_10pl_3	Yes	3	10	239	23	169	46	A*(GNN
Test	SC	SC_10_10pl_9	Yes	9	10	188	13	$\frac{103}{22}$	152	A*(GNN
Test	SCRich	SC_10_10pl_9	Yes	9	8\$6	20614	21	20501	91	A*(GNN
Test	SC	SC_10_8pl_14	Yes	14	93	481	9	420	51	A*(GNN
Test	SC	SC_10_8pl_9	TO	-	-	-	-	-	-	- (01111
Test	SC	SC_4_1pl_5	Yes	5	- 17	125	2	37	85	A*(GNN
Test	SC SC	SC 4 2 pl 5	Yes	5	15	132	7	50	74	A*(GNN)

## 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	$Assemble_B2pl_5$	Yes	5	14	264	1	192	70	A*(GNN)
Test	Assemble	$Assemble_B4\_pl_5$	Yes	5	14	275	1	247	26	A*(GNN)
Test	Assemble	$Assemble_B6\_pl_5$	Yes	5	14	804	1	725	77	A*(GNN)
Test	Assemble	$Assemble_B8\_pl_5$	Yes	5	14	24655	1	24587	66	A*(GNN)
Test	Assemble	$Assemble_B9\_pl_5$	Yes	5	14	295842	2	295803	36	A*(GNN)
Test	Assemble	$Assemble_C_pl_5$	Yes	5	14	124	1	94	28	A*(GNN)
Test	CC	$CC_2_2_3_pl_3$	Yes	3	9	111	6	50	54	A*(GNN)
Test	CC	$CC_{-2}_{-2}_{-3}_{-pl}_{-5}$	Yes	5	17	272	6	147	118	A*(GNN)
Test	CC	$CC_{-2}_{-2}_{-3}_{-pl}_{-7}$	Yes	7	163	2390	7	2223	159	A*(GNN)
Test	CC	$CC_{-2}_{-2}_{-3}_{-pl}_{-8}$	Yes	8	1327	18235	7	17783	444	A*(GNN)
Test	CC	$CC_2_2_4_pl_3$	Yes	3	3	217	54	113	49	A*(GNN)
Test	CC	$CC_2_2_4_pl_4$	Yes	6	7	324	57	192	74	A*(GNN)
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-6}$	Yes	6	21	1251	29	1150	71	A*(GNN)
Test	CC	$CC_{-2}_{-2}_{-4}_{-pl}_{-7}$	Yes	8	129	3989	26	3877	85	A*(GNN)
Test	CC	CC_2_3_4pl_4	Yes	5	5	1995	303	1615	76	A*(GNN)
Test	CC	CC_2_3_4pl_5	Yes	10	132	20181	389	19431	360	A*(GNN)
Test	CC	$CC_{-2}_{-3}_{-4}_{-pl}_{-6}$	Yes	11	1269	65775	285	64950	539	A*(GNN)
Test	CC	CC_3_2_3pl_3	Yes	3	4	228	11	59	157	A*(GNN)
Test	CC	$CC_{-3-2-3pl_{-}6}$	Yes	6	74	1201	34	1075	91	A*(GNN)
Test	CC	$CC_3_2_3_pl_7$	Yes	8	185	3058	34	2883	140	A*(GNN)
Test	CC	$CC_3_3_3_pl_3$	Yes	3	3	218	71	107	39	A*(GNN)
Test	CC	CC_3_3_3pl_5	Yes	6	26	1975	35	1864	75	A*(GNN)
Test	CC	CC_3_3_3pl_6	Yes	8	226	13395	63	12662	669	A*(GNN)
Test	CC	CC_3_3_3pl_7	Yes	8	1476	59481	83	57811	1586	A*(GNN)
Test	CoinBox	$Coin_in_the_Box_pl_2$	Yes	2	2	52	9	4	38	A*(GNN)
Test	CoinBox	$Coin_in_the_Box_pl_5$	Yes	5	77	425	12	355	57	A*(GNN)
Test	CoinBox	$Coin_in_the_Box_pl_7$	Yes	7	1817	10395	12	10239	143	A*(GNN)
Test	$\operatorname{SC}$	$SC_{-10}_{-10}_{-pl}_{-10}$	Yes	10	15	191	11	100	79	A*(GNN)
Test	SCRich	$SC_10_10_pl_13$	Yes	13	15826	285398	15	285039	343	A*(GNN)
Test	SCRich	$SC_10_10_pl_14$	TO	-	-	-	-	-	-	-
Test	$\operatorname{SC}$	$SC_10_10_pl_17$	Yes	17	946	7240	13	6849	377	A*(GNN)
Test	$\operatorname{SCRich}$	$SC_{-10}_{-10}_{-pl}_{-17}$	TO	_	-	-	-	-	_	`- ´
Test	SCRich	SC_10_10pl_2	Yes	2	6	280	19	195	65	A*(GNN)
Test	SCRich	SC_10_10pl_3	Yes	3	10	239	23	169	46	A*(GNN)
Test	$\operatorname{SC}$	SC_10_10pl_9	Yes	9	10	188	13	22	152	A*(GNN)
Test	SCRich	SC_10_10pl_9	Yes	9	886	20614	21	20501	91	A*(GNN)
Test	$\operatorname{SC}$	SC_10_8pl_14	Yes	14	$9\overline{3}$	481	9	420	51	A*(GNN)
Test	$\operatorname{SC}$	SC_10_8pl_9	TO	-	-	-	-	_	_	- /
Test	$\operatorname{SC}$	SC_4_1pl_5	Yes	5	17	125	2	37	85	A*(GNN)
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