

### PERFORMANCE METRICS

Heuristic	h(n) - A more informed heuristic			h <sub>0</sub> - Number of blocks out of place		
Set (Blocks, Stacks)	Depth	No of Iterations	Max Queue Size	Depth	No of Iterations	Max Queue Size
10, 5	17	585	4579	15	5923	32381
	13	603	3919	7	24	179
	14	123	974	10	2976	11883
	12	153	1227	13	2020	11734
	16	316	2249	11	548	446
5, 3	8	25	51	11	796	547
	10	39	73	10	376	370
	10	65	105	8	101	156
	5	12	20	6	22	45
	9	34	61	9	214	212
25, 5	26	17527	122687	12	1045	6863
	21	93	858	14	9743	43223
	22	176323	915754	12	5144	25888
	28	13006	96122	17	76747	471426
	17	294	2778	12	1056	6869
15, 3	27	183	459	13	2094	3631
	31	13206	28659	21	10379	22402
	19	1147	2379	21	13605	31923
	20	3138	5727	16	170	390
	32	51362	104956	18	16746	29875
5, 6	7	22	199	8	885	3458
	7	18	117	9	1089	3945
	8	114	646	8	483	1906
	10	692	3931	8	667	2786
	9	157	1117	8	1461	4509
28, 6	36	77476	918746	14	5140	46671
	18	741	8724	9	449	4076
	41	54876	580899	~21	Overflow	Overflow
	16	5500	44343	13	14367	113871
	41	150619	1616463	~18	Overflow	Overflow

**NOTE:** Overflow starts to occur in the base heuristic case (number of blocks out of place) when the number of blocks increases.

### AVERAGE PERFORMANCE METRICS

Heuristic	h(n) - A more informed heuristic			h <sub>0</sub> - Number of blocks out of place		
Set (Blocks, Stacks)	Depth	No of Iterations	Max Queue Size	Depth	No of Iterations	Max Queue Size
10, 5	14.4	356	2589.6	11.2	2298.2	11324.6
5, 3	8.4	35	62	8.8	301.8	266
25, 5	22.8	41448.6	227639.8	13.4	18747	110853.8
15, 3	25.8	13807.2	28436	17.8	8598.8	17644.2
5, 6	8.2	200.6	1202	8.2	917	3320.8
28, 6	30.4	57842.4	633835	12	6652	54872.66667