Heuristic Analysis

Provide an optimal plan for Problems 1, 2, and 3.

xxx

Compare and contrast non-heuristic search result metrics (optimality, time elapsed, number of node expansions) for Problems 1,2, and 3. Include breadth-first, depth-first, and at least one other uninformed non-heuristic search in your comparison; Your third choice of non-heuristic search may be skipped for Problem 3 if it takes longer than 10 minutes to run, but a note in this case should be included.

xxx

Compare and contrast heuristic search result metrics using A-Star with the "ignore preconditions" and "level-sum" heuristics for Problems 1, 2, and 3.

xxx

What was the best heuristic used in these problems? Was it better than non-heuristic search planning methods for all problems? Why or why not?

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Provide tables or other visual aids as needed for clarity in your discussion. xxx

Prob.	Search	t (s)	N Exp	Goal T.	New N.
ACP 1	greedy_best_first_graph_search h_1	0.01	7	9	28
ACP 1	astar_search h_pg_levelsum	0.55	11	13	50
ACP 2	greedy_best_first_graph_search h_1	2.77	998	1000	8982
ACP 2	astar_search h_pg_levelsum	49.36	86	88	841