Module6-HW

10/15/2024

Missing 100 Points Possible

Attempt 1

In Progress

NEXT UP: Submit Assignment

Add Comment

Unlimited Attempts Allowed

10/8/2024 to 10/15/2024

Details

Give the name of the algorithm that results from each of the following special cases:

1. Local beam search with k = 1.
2. Local beam search with one initial state and no limit on the number of states retained.
3. Simulated annealing with T = 0 at all times (and omitting the termination test).
4. Simulated annealing with T = ∞ at all times.
5. Genetic algorithm with population size N = 1.

Optional Coding Problem:

Generate a large number of 8-puzzle and 8-queens instances and solve them (where possible) by hill climbing and simulated annealing. Measure the search cost and percentage of solved problems and graph these against the optimal solution cost. Comment on your results.

Availability Dates

10/8/2024 to 10/15/2024

(https://sfbu.instructure.com/courses/733/modules/items/25545)

(https://sfbu.instructure.com/courses/733/modules/items/25669)