

Artificial Intelligence

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Homework 6

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

1. Local Beam Search with $k = 1$
Hill-Climb Search
2. Local beam search with one initial state and no limit on the number of states reached
Breadth First Search
3. Simulated annealing with $T=0$ at all times (and omitting the termination test)
First Choice Hill-Climb Search
4. Simulated Annealing with $T=\text{inf}$ at all times
Random Walk Search
5. Genetic algorithm with population size $N=1$
Random Walk Search