

Course > Week 10 > Practic... > Q6: Sh...

Q6: Short Answer: Search

Problem 6: Short Answer: Search

Consider a graph search problem where for every action, the cost is at least ϵ , with $\epsilon>0$. Assume the used heuristic is consistent. Select whether each of the following statements is true or false.

Part 1

0.0/1.0 point (ungraded)

Depth-first graph search is guaranteed to return an optimal solution.

○ True

● False ✔

Submit You have

You have used 0 of 1 attempt

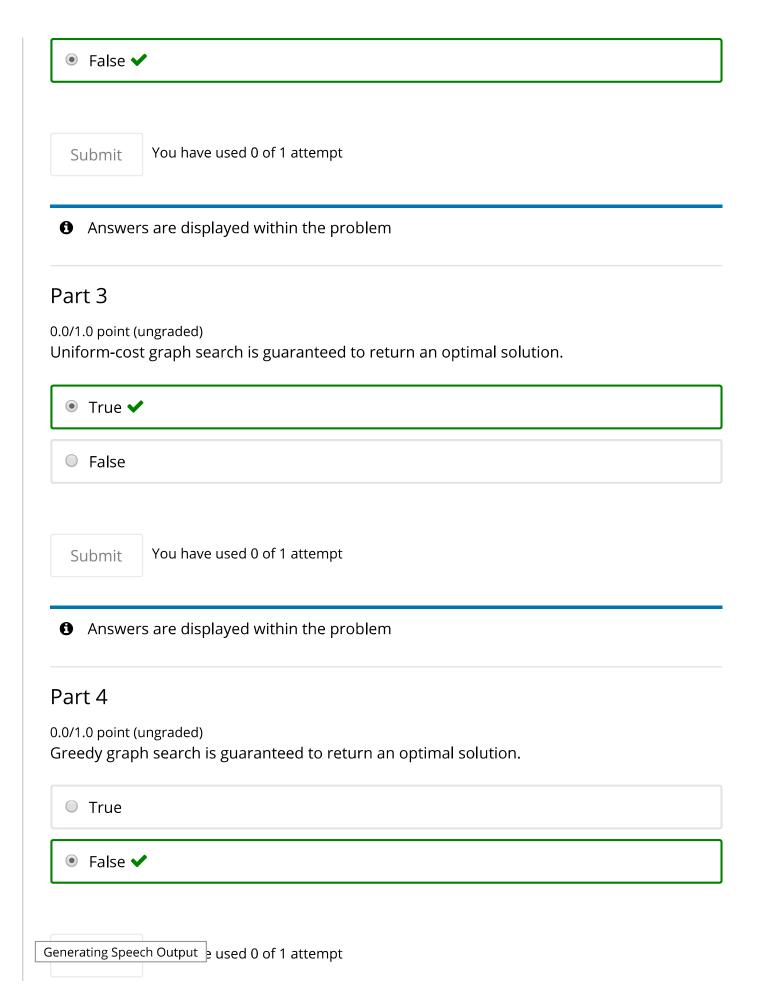
1 Answers are displayed within the problem

Part 2

0.0/1.0 point (ungraded)

Breadth-first graph search is guaranteed to return an optimal solution.

Generating Speech Output

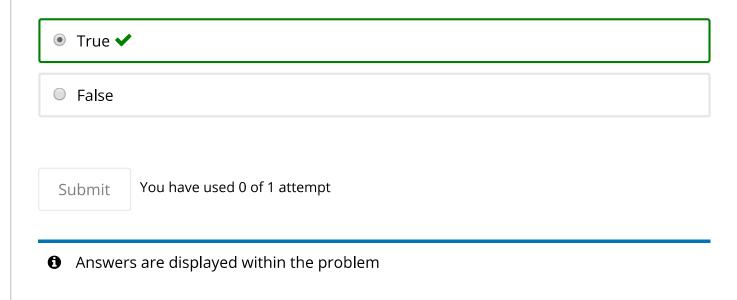


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Part 7

0.0/1.0 point (ungraded)

 A^* graph search (with a consistent heuristic) is guaranteed to expand no more nodes than uniform-cost graph search.



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