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Q9: Short Answer: Heuristics

Problem 9: Short Answer: Heuristics

Let $h_1\left(s\right)$ be an admissible A^* heuristic. Let $h_2\left(s\right)=2h_1\left(s\right)$. Mark whether each of the following statements is true or false.

Part 1

2/2 points (ungraded)

The solution found by $m{A^*}$ tree search with $m{h_2}$ is guaranteed to be an optimal solution.

○ True● False ✔

Submit

✓ Correct (2/2 points)

Part 2

2/2 points (ungraded)

The solution found by $m{A^*}$ tree search with $m{h_2}$ is guaranteed to have a cost at most twice as much as the optimal path.



False	
Submit	
✓ Correct (2/2 points)
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