Q8: Short Answer: Dominance

Problem 8: Short Answer: Dominance

3/3 points (ungraded)

Consider two different A^* heuristics, $h_1(s)$ and $h_2(s)$, that are each admissible. Now, combine the two heuristics into a single heuristic, using some (not yet specified) function g. Give the choice for g that will result in A^* expanding a minimal number of nodes while still guaranteeing admissibility.

- (•) $\max(h_1(s), h_2(s))$ ✔
- ( ) $\min(h_1(s), h_2(s))$
- ( ) $\sqrt{h_1(s)^2 + h_2(s)^2}$
- ( ) $h_1(s) + h_2(s)$
- ( ) $\frac{h_1(s)+h_2(s)}{2}$

Submit

✔ Correct (3/3 points)