

Quiz

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PAH (Planning and Games)

Heuristic h dominates h' when

1. $h \leq h'$ for all states
2. $h \geq h'$ for all states
3. $h \neq h'$ for all states

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What is the most commonly used relaxation of a STRIPS action $a = \langle \text{pre}(a), \text{add}(a), \text{del}(a) \rangle$?

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Answer:

Accumulating semantics: $V \subseteq \{v_1, \dots, v_k\}$.

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Answer:

Optimal relaxed plans **are always shorter (or equal)** than the optimal plans for original tasks.

What heuristic is defined by

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$$h(a) = \text{cost}(a) + \max_{p \in \text{pre}(a)} h(p)$$

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2. h_{add}
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Why not h_{STRIPS} ?

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