

# Quiz

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## PAH (Planning and Games)

# Abstraction heuristics are

1. safe, goal-aware, admissible and consistent
2. safe, goal-aware, not admissible and not consistent
3. only admissible

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Let  $\alpha_1, \dots, \alpha_k$  be abstraction mappings on  $T$ . We say that  $\alpha_1, \dots, \alpha_k$  are orthogonal if for each transition  $\langle s, l, t \rangle \in T$ :

1.  $\alpha_i(s) \neq \alpha_j(t)$  for all  $i \neq j$
2.  $\alpha_i(s) \neq \alpha_i(t)$  for at least one  $i \in 1 \dots k$
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# What is a refinement of abstraction?

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2. Abstraction of the same transition system with less states.
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