

CS4811

Jan 22, 2016

Friday ①

Search "problem"

1. initial state s
2. actions $(ACTIONS(s))$ what actions are available
3. transition model $(RESULT(s, a))$ result of executing action a
4. goal $(GOAL-TEST(s))$ $\left\{ \begin{array}{l} \text{yes, reached the goal in } s. \\ \text{no} \end{array} \right.$
 \hookrightarrow state
5. path cost (optional, additive)

in state s

s : state a : action