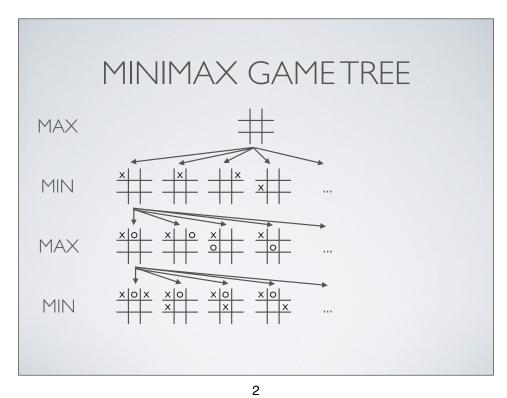
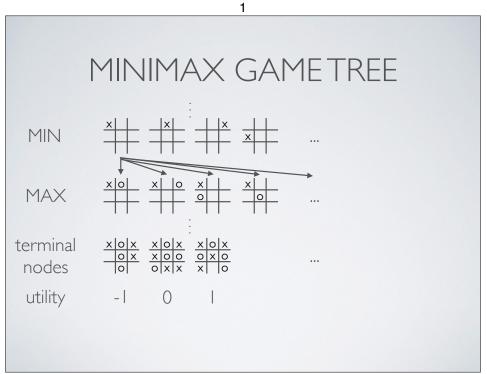
MINIMAX SEARCH CSE 511A: Introduction to Artificial Intelligence Some content and images are from slides created by Dan Klein and Pleter Abbeel for CS188 Intro to AI at UC Berkeley. All CS188 materials are available at http://ai.berkeley.edu.





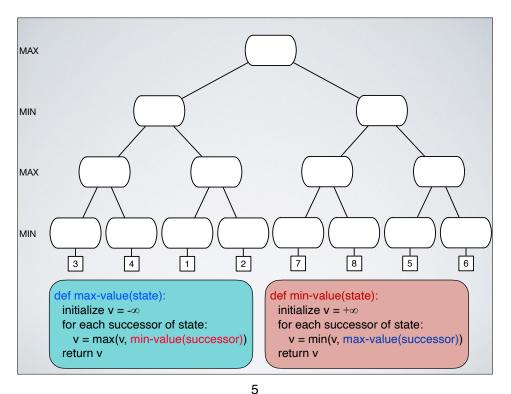
3

def value(state):

if the state is a terminal state: return the state's utility
if the agent is MAX: return max-value(state)
if the agent is MIN: return min-value(state)

def max-value(state):
initialize v = -∞
for each successor of state:
v = max(v, min-value(successor))
return v

def min-value(state):
initialize v = +∞
for each successor of state:
v = min(v, max-value(successor))
return v





MINIMAX SEARCH

deterministic stochastic

perfect information

imperfect information

MINIMAX SEARCH

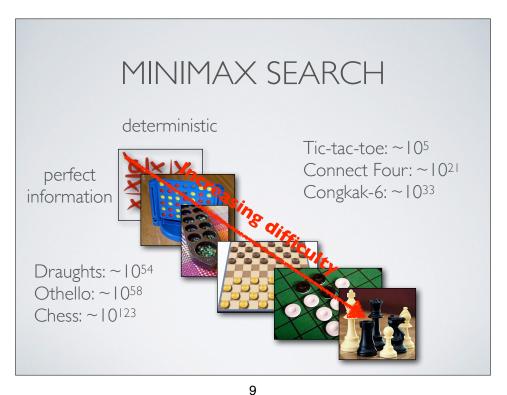
deterministic

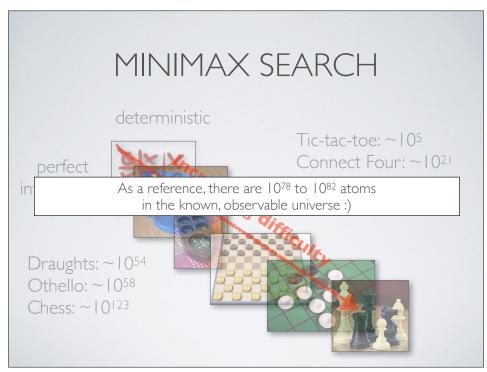
perfect information

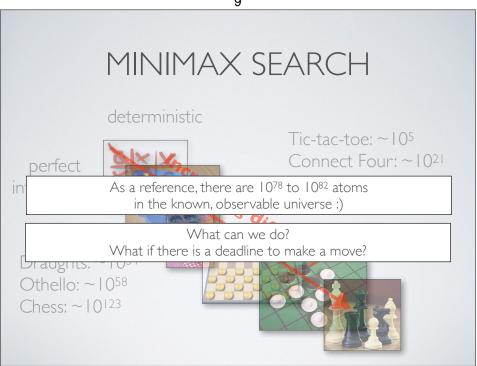
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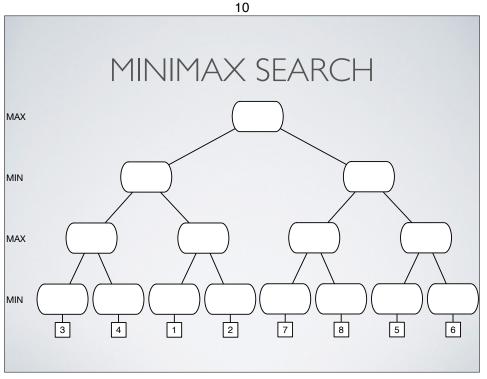
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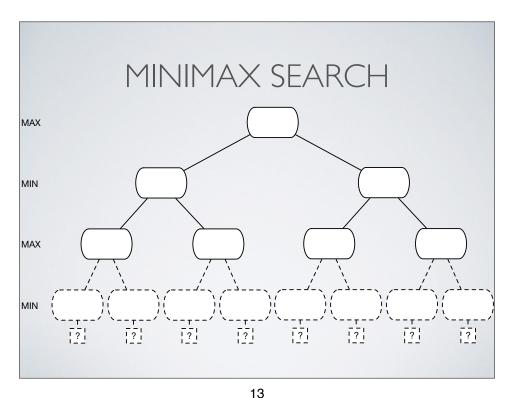
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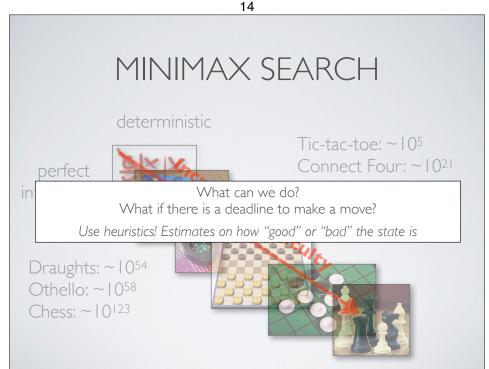




Depth matters!
You always want to search as deep as possible

SCORE: 0

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