



## Expectimax Search

CSE 415: Introduction to Artificial Intelligence  
University of Washington  
Spring, 2017

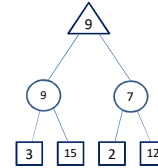
© S. Tanimoto and University of Washington, 2017



## Expectimax Search

Minimax search assumes that both players play predictably. Expectimax (or expectiminimax) adds a new type of node to minimax search trees called chance nodes.

The value at a chance node is the expectation of the probability distribution for the values of its children.



For this example, let's assume  $p=0.5$  for each child of the chance nodes.

CSE 415, Univ. of Wash.

Expectimax Search

2