

The background is a light gray gradient. It features several realistic water droplets of various sizes, some with highlights and shadows, scattered across the frame. In the upper center, there is a faint, circular, textured pattern that resembles a ripple or a lens flare.

# Othello

Mini Project 3 Package

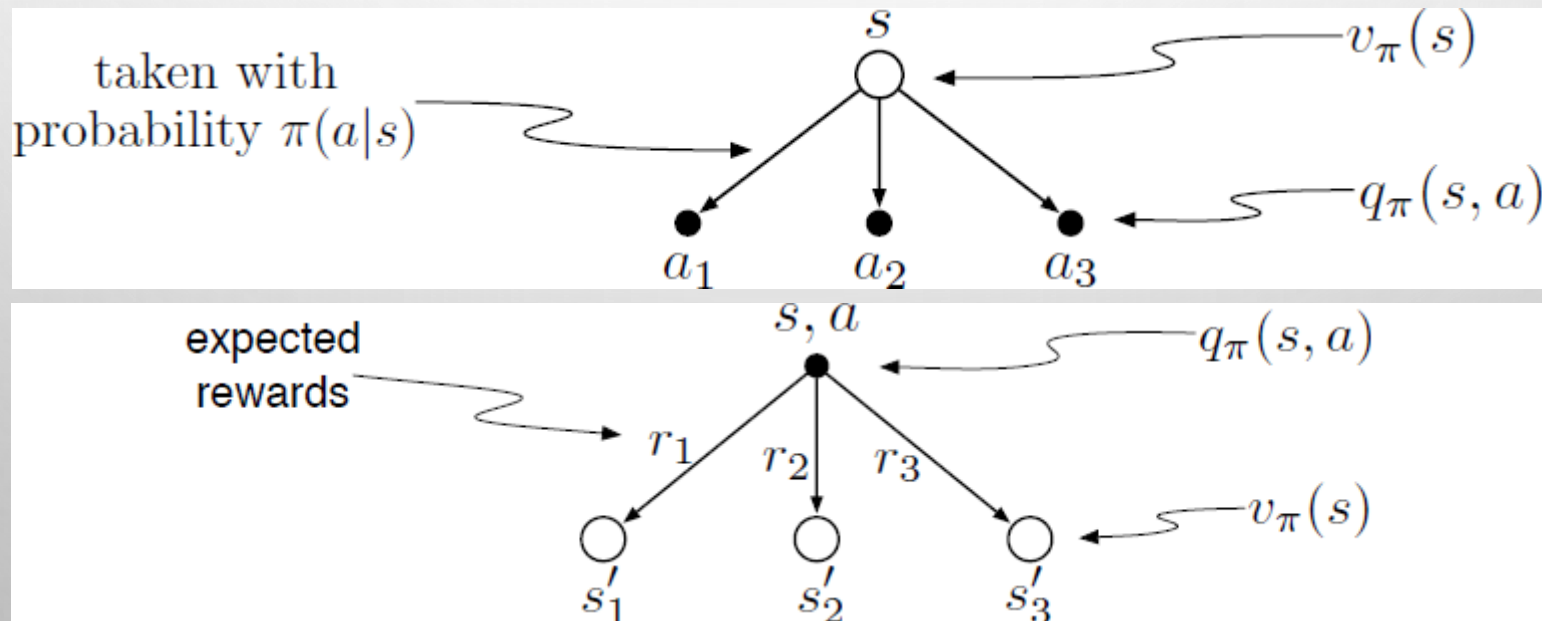
# Outline

- State Value & State-Action Value
- Minimax
- Alpha-Beta Pruning
- Goal & Grading Policy

# State Value & State-Action Value

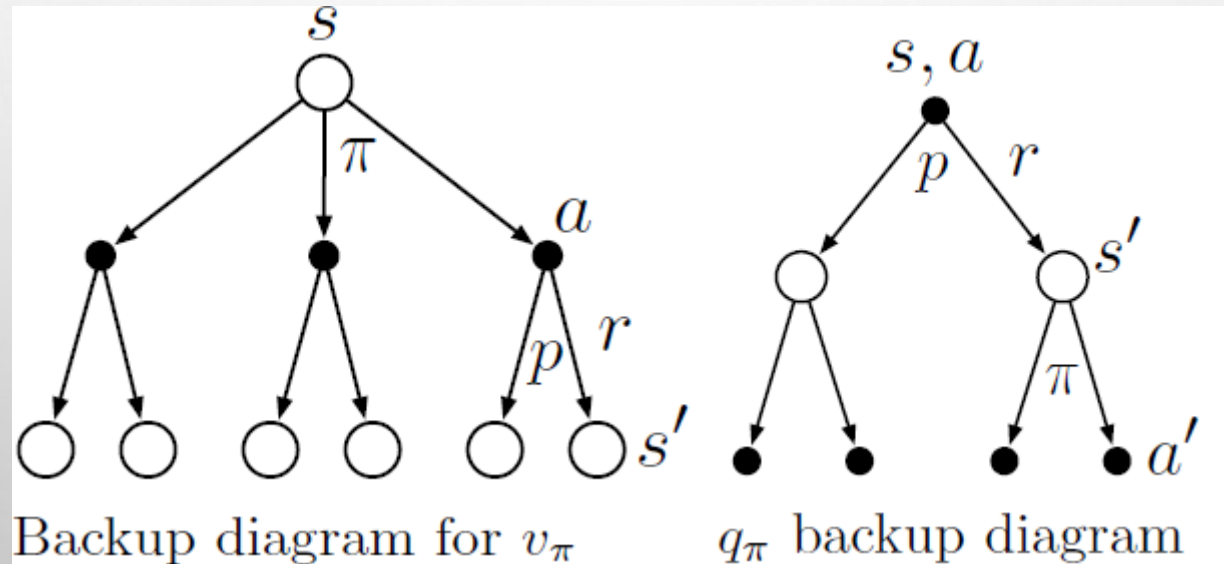
$V(s)$ : How good is the current board in my point of view

$Q(s, a)$ : How good is a certain action on the current board

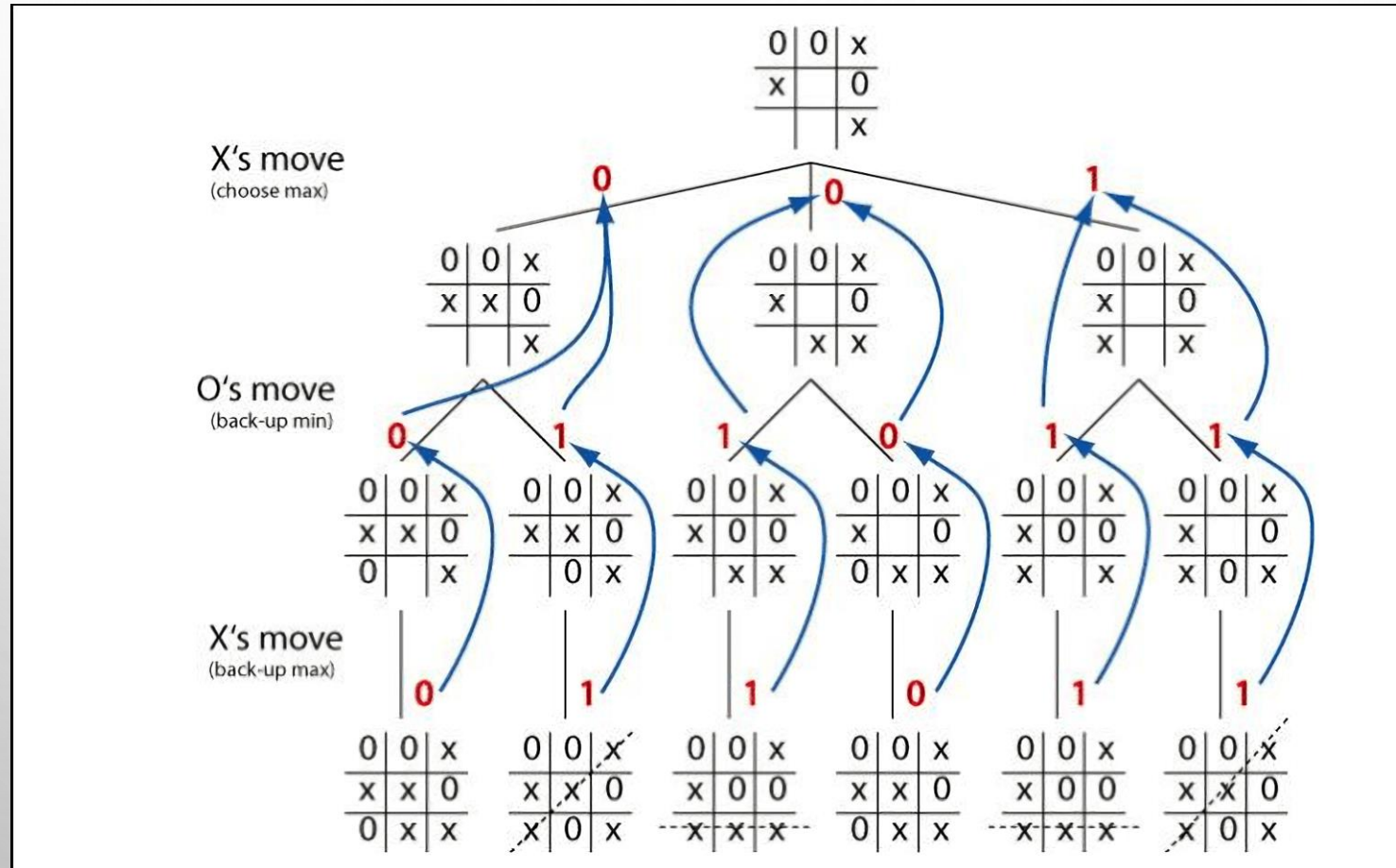


# State Value & State-Action Value

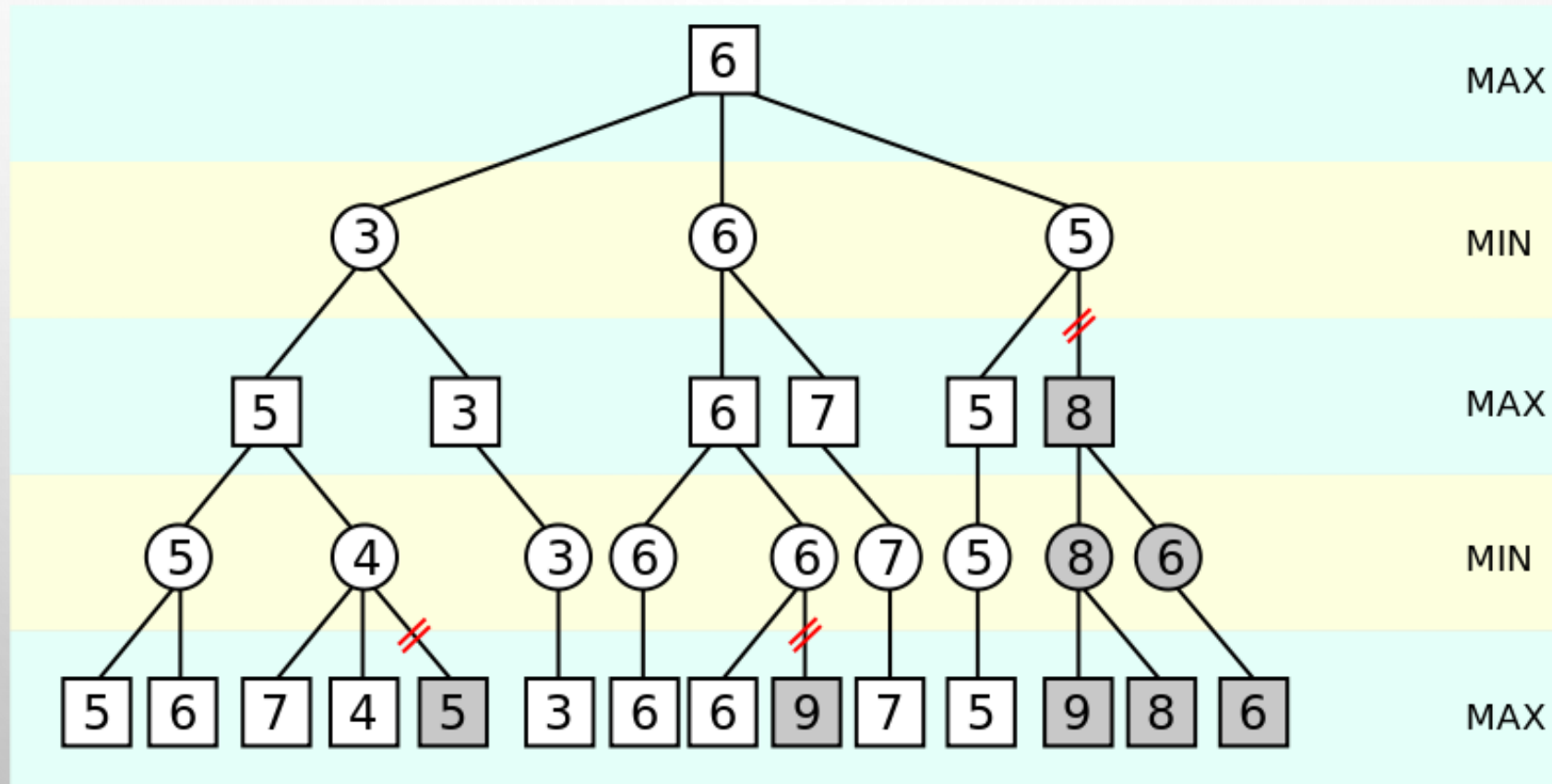
The general case for all games



# Minimax



# Alpha-Beta Pruning





The background is a light gray gradient. It is decorated with numerous realistic water droplets of various sizes, some clustered in the top-left and bottom-right corners. A faint, circular logo is centered in the upper half of the image, featuring a stylized 'E' and the word 'PARK' below it.

# Q&A

Feel free to ask any question.