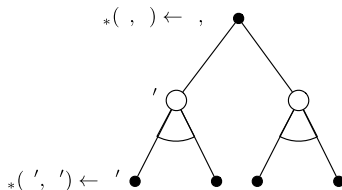


## Lecture 2: Markov Decision Processes

## └ Markov Decision Processes

## └ Bellman Optimality Equation

Bellman Optimality Equation for  $Q^*$  (2)

$$q_*(s, a) = \mathcal{R}_s^a + \gamma \sum_{s' \in \mathcal{S}} \mathcal{P}_{ss'}^a \max_{a'} q_*(s', a')$$