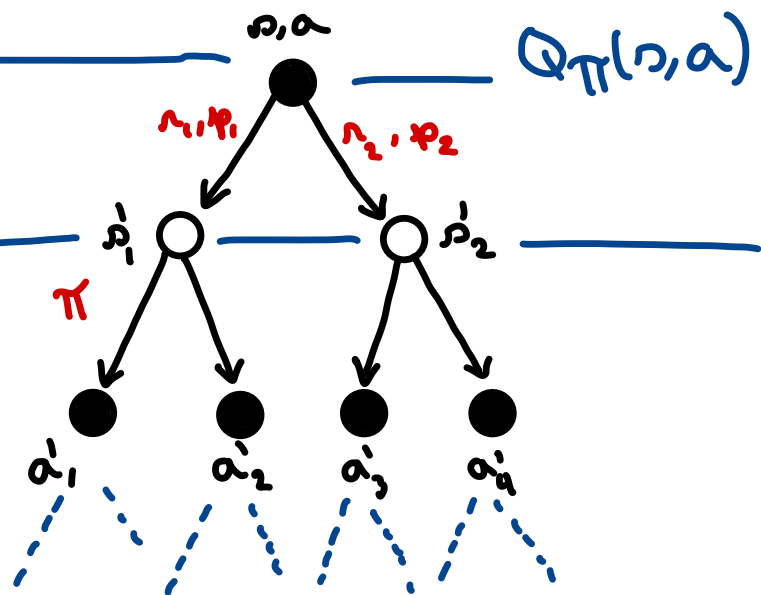


v_* from q_*

$$v_*(s) = \max_a q_*(s, a)$$



v_* from v_*

$$v_*(s) = \max_a \left(\sum_{s'} p(s'|s, a) [r + \gamma v_*(s')] \right)$$

$$v_*(s) = \max_a R_s^a + \gamma P_{ss'}^a v_*(s')$$