



$V(s)$ FOR $\gamma = 1$ GIVEN
 $S = \text{CLASS 3}$

$$V(s) = E[R + \gamma V(s') | s_t = s]$$

$$= E[R_{t+1} | s_t = s] + \gamma E[V(s') | s_t = s]$$

$$V(s) = \underbrace{\sum s' p(s' | s)}_{-2} + \gamma \underbrace{\sum V(s') p(s' | s)}_{10 \times 0.6 + 0.8 \times 0.4}$$

$$V(s) = -2 + 6 + 0.32$$

$$V(s) = 4.32$$