$\frac{1}{1} = \frac{1}{3} = \frac{1}$

states s chance nodes actions a transition T(s' 15,a) e PR reward R(s,ars') discount factor 058 < 1 policy TI(s) -> a Utility ZXTE Nalue E[U]-V_ (s)

$$V_{\pi}(s)$$

$$Q_{\pi}(s,a) = \begin{cases} 0 & \text{Tsend}(s) = \text{Time} \\ Q_{\pi}(s,\pi(s)) \end{cases}$$

$$V_{\pi}(s) = \begin{cases} 0 & \text{Tsend}(s) = \text{Time} \\ Q_{\pi}(s,\pi(s)) \end{cases}$$

$$Q_{\pi}(s,\pi(s))$$

$$Q_{\pi}(s,a) = \begin{cases} T(s'|s,a) \left[R(s,a,s') + \lambda V_{\pi}(s') \right] \\ Y(s',\pi(s')) \end{cases}$$

Bellman Equation

$$V^*(s) = \begin{cases} 5, \alpha_1 \\ 5, \alpha_2 \\ 5, \alpha_3 \end{cases}$$

$$V^*(s) = \begin{cases} 0 & \text{is } E \cap d(s) = True \\ max & Q^*(s, a) \\ a \in Actions(s) \end{cases}$$

$$V^*(s_1 a) = \begin{cases} 0 & \text{is } E \cap d(s) \\ max & \text{optimality} \\ max & \text{optimality} \\ max & \text{optimality} \end{cases}$$

$$V^*(s_1 a) = \begin{cases} 0 & \text{is } E \cap d(s) \\ max & \text{optimality} \\ max & \text{optimality} \\ max & \text{optimality} \end{cases}$$