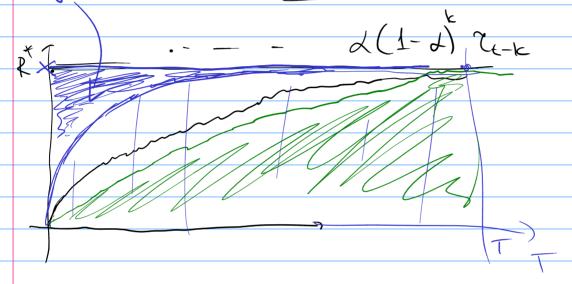


$$i^* = \operatorname{argmax} Ri$$

$$\widehat{R}_i = \frac{1}{n_i} \sum_{t=1}^{n_i} \sum_$$

$$\sum_{t=1}^{\infty} d_t = \infty \qquad \sum_{t=1}^{2} c \infty$$

$$Q_{t+1}(\alpha) = Q_{t}(\alpha) + \alpha \cdot \left[ z_{t+1} - Q_{t}(\alpha) \right] =$$



$$S = \frac{1}{2} N_1, \overline{W_3}, \overline{N_2, W_2} - ..., N_k, \overline{W_k} N = N_1 + ... + N_k$$

$$V(S) = \begin{bmatrix} \frac{1}{2} & \frac{1}{2}$$

$$S: N_{1} + ... + N_{k} = T$$

$$V(S) = O$$

$$(N_{1}, W_{1} ..., N_{a} + 1, W_{a} + 1, ...)$$

$$\mathcal{L}=0 \qquad Q(S,\alpha) = P_0 \cdot (1 + V(S')) + (1 - P_0)V(S'')$$

$$V(s) = \max_{\alpha} Q(s, \alpha)$$

$$p_{\alpha} = \frac{W_{\alpha} + \ell}{N_{\alpha} + 2}$$

 $(N_{\perp}, W_{1-1}, N_{\alpha}+1, W_{\alpha,-1})$ 

Gittins indices

