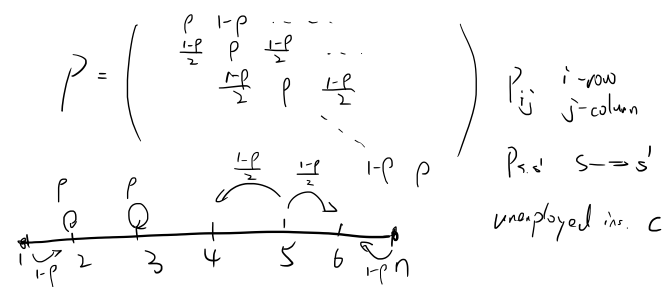


Lecture notes, Oct 15th, 2020

Case 1: correlated wage offers.

$s \in \mathcal{S} = \{1, 2, 3, \dots, n\}$ $W(s)$

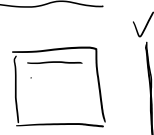


$$V(s) = \max_{\text{accept/reject}} \left| V^{\text{accept}}(s), c + \beta \mathbb{E}_s V(s') \right|$$

$$V^{\text{accept}}(s) = \frac{W(s)}{1-\beta} = W(s) + \beta W(s) + \beta^2 W(s) + \dots$$

$$\mathbb{E}_s V(s') = \sum_{s'=1}^n P_{s,s'} \cdot V(s')$$

$$V(s) = \max_{a/r} \left| \frac{W(s)}{1-\beta}, c + \beta \sum_{s'=1}^n P_{s,s'} \cdot V(s') \right|$$



$$V_T(s) = \max_{a/r} \left| V_T^{\text{accept}}(s), c \right| \quad V_T^{\text{accept}}(s) = W(s)$$

$$V_{T-1}(s) = \max_{a/r} \left| V_{T-1}^{\text{ac}}(s), c + \beta \sum_{s'=1}^n P_{s,s'} \cdot V_{T-1}(s') \right| \quad V_{T-1}^{\text{accept}}(s) = W(s) + \beta V_T^{\text{accept}}(s)$$

\vdots

Case 2: On-the-job search

