CSE 535

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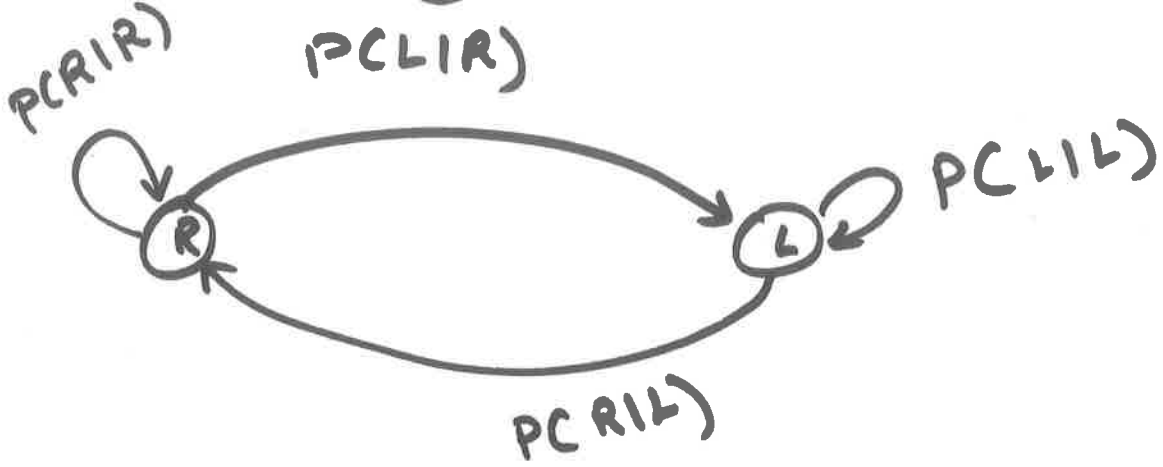
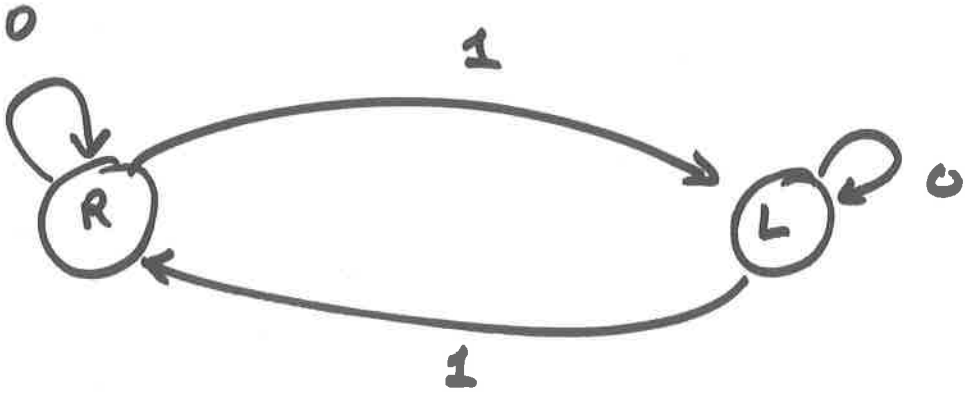
9/28/17

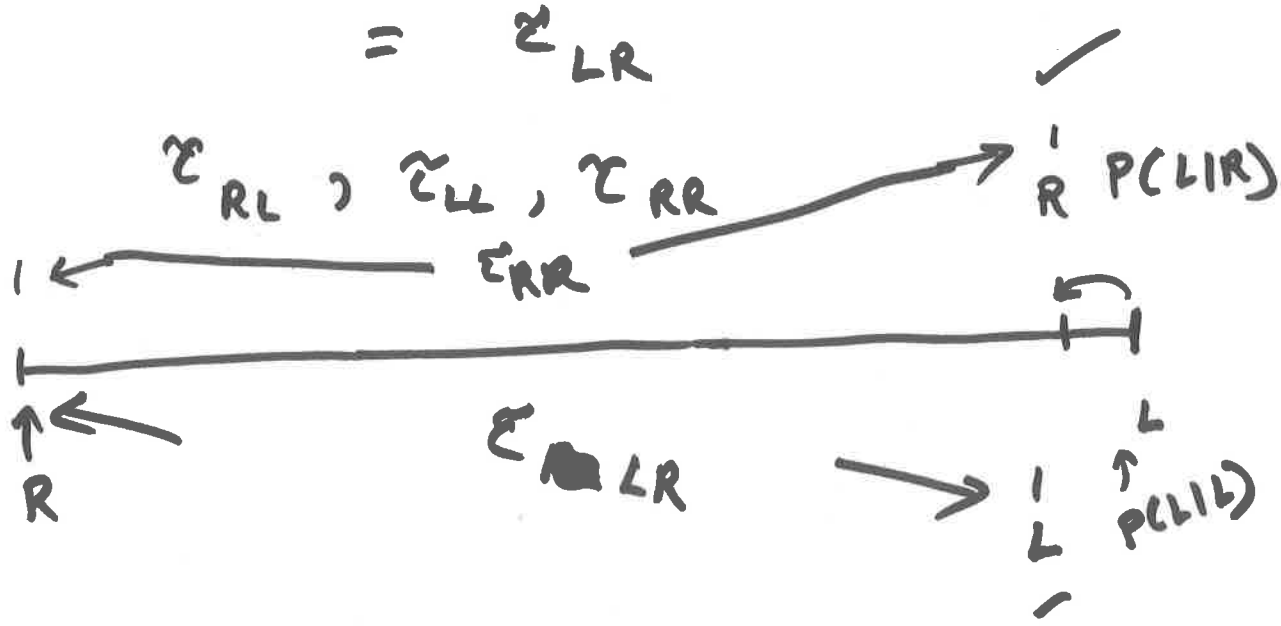


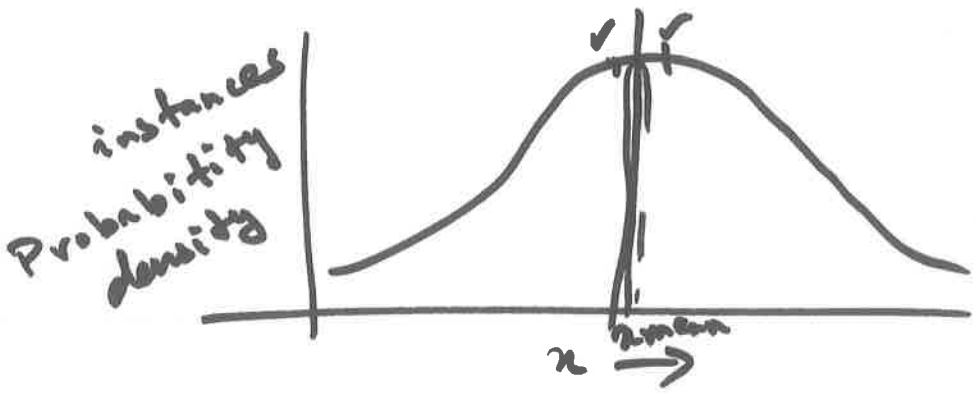


$$A = \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}$$

$\tau(L \mid R)$ = given that current step is right, what is the average time that elapses before we see a left step

$= \tau_{LR}$





(3)

$$\tau_{LR} = \underbrace{\tau_{RR}\, P(L|R) + \tau_{LR}\, P(L|L)}_{\text{Time taken to arrive at the opportunity to take the left step}} + \underbrace{1}_{\text{unit time}}$$

Unit of time = 1 step

τ_{RR}

τ_{RR}

τ_{LL}