

$$A \begin{matrix} & 0.3 & 0.8 \\ \pi_1, \pi_2 & 0.7 & 0.2 \end{matrix}$$

$$0.3\pi_1 + 0.7\pi_2 = \pi_1$$

$$0.8\pi_1 + 0.2\pi_2 = \pi_2 \rightarrow 0.8 - 0.8\pi_1 + 0.2\pi_2 = \pi_2$$

$$\pi = \pi P$$

$$\pi_1 + \pi_2 = 1 \rightarrow \pi_1 = 1 - \pi_2 \quad 0.8 - 0.8(1 - \pi_2) = \pi_2$$

$$\sum \pi_j = 1$$

$$0.8 = 1.6\pi_2$$

$$\pi_1 = 0.5 \quad \pi_2 = 0.5$$

$$\pi_j = \sum \pi_k P_{kj}$$

$$p \cdot \pi_0 = \frac{1-p}{p} \cdot p = 1-p$$

$$1-\lambda \quad \pi_0 = (1-\lambda)\pi_0 + (1+\lambda)\pi_1$$

$$\lambda \quad \pi_0 - \pi_0 + \lambda \pi_0 = (1-\lambda)\pi_1$$

State
0 → 1

$$\pi_1 = \frac{\lambda}{\lambda-1} \pi_0$$

State
1 → 2

$$\pi_1 = 1 - \lambda \pi_0 + 1 - \lambda \pi_2$$

$$\pi_1 = 1 - \lambda \pi_0 + 1 - \lambda \pi_2$$

$$1-p \quad p \quad \pi_1 - \pi_1 + \lambda \pi_1 = 1 - \lambda \pi_2$$

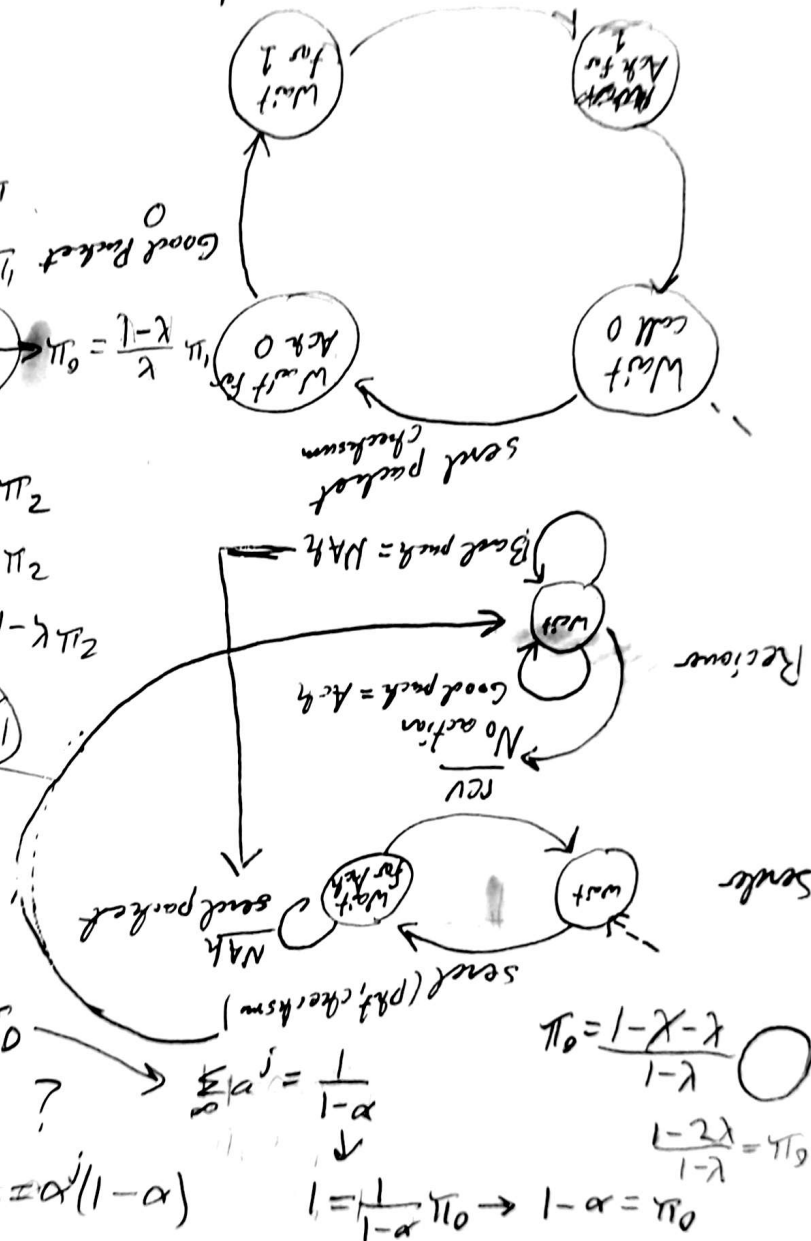
$$1-p \quad 0 \quad p \quad 1-p$$

$$\pi_2 = \frac{\lambda}{\lambda-1} \pi_1$$

$$\sum \pi_j = 1 = \sum \pi_j$$

$$\pi_0 = 1 - \alpha$$

$$1 - \alpha = \pi_0$$



$$\pi_0 = 1 - \lambda - \lambda$$

$$1 - 2\lambda = \pi_0$$

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STEAM Legacy High School, LAUSD
5225 Tweedy Boulevard
South Gate CA 90280
www.legacysteamhs.com
Office (323) 357-7541 Fax (323) 357-7590