

P.S.1. *Homework*

$$q_i = \lim_{n \rightarrow \infty} p_{ij}(n) \geq 0 \quad \sum q_i = 1$$

$$p_{ji} = \frac{a_{ij}}{k_i}$$

homogeneous

$$q_i = \lim_{n \rightarrow \infty} p_{ij}(n) = \sum_j p_{ij} = \frac{\sum a_{ij}}{k_i} = \sum_j \frac{a_{ji}}{k_j} = \boxed{\frac{k_i}{\sum k_j}}$$