



$$\pi = (\pi_C, \pi_G, \pi_I)$$

$$P = \begin{bmatrix} 0.2 & 0.3 & 0.5 \\ 0.1 & 0.3 & 0.6 \\ 0.3 & 0.4 & 0.3 \end{bmatrix}$$

$$\pi_{k+1} = \pi_k P$$

$$\pi_{k+1} = \pi_k$$

- $\pi_0 = (1.0000 \ 0.0000 \ 0.0000)$
- $\pi_1 = (0.2000 \ 0.3000 \ 0.5000)$
- $\pi_2 = (0.2200 \ 0.3500 \ 0.4300)$
- $\pi_3 = (0.2080 \ 0.3430 \ 0.4490)$
- $\pi_4 = (0.2106 \ 0.3449 \ 0.4445)$
- $\pi_5 = (0.2100 \ 0.3445 \ 0.4456)$
- $\pi_6 = (0.2101 \ 0.3446 \ 0.4453)$
- $\pi_7 = (0.2101 \ 0.3445 \ 0.4454)$
- $\pi_8 = (0.2101 \ 0.3445 \ 0.4454)$