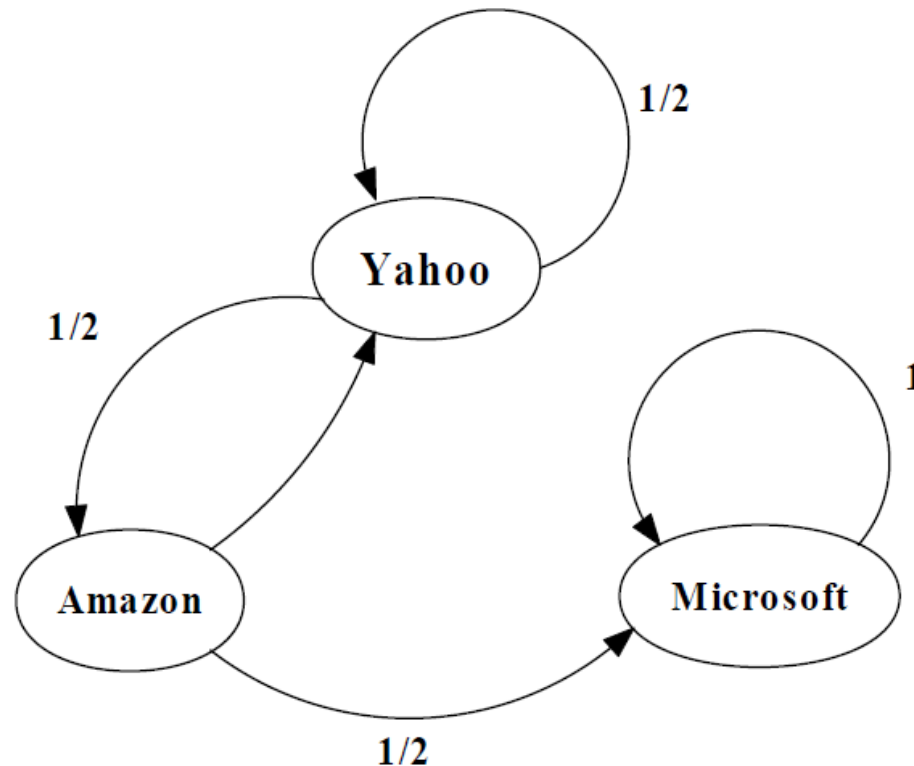


# An example of Modified PageRank



$$M = \begin{bmatrix} 1/2 & 1/2 & 0 \\ 1/2 & 0 & 0 \\ 0 & 1/2 & 1 \end{bmatrix}$$

$$\begin{bmatrix} \text{yahoo} \\ \text{Amazon} \\ \text{Microsoft} \end{bmatrix} = \begin{bmatrix} 1/3 \\ 1/3 \\ 1/3 \end{bmatrix}$$

$$C_1 = 0.8 \quad C_2 = 0.2$$

$$\begin{bmatrix} 0.333 \\ 0.333 \\ 0.333 \end{bmatrix} \quad \begin{bmatrix} 0.333 \\ 0.200 \\ 0.467 \end{bmatrix} \quad \begin{bmatrix} 0.280 \\ 0.200 \\ 0.520 \end{bmatrix} \quad \begin{bmatrix} 0.259 \\ 0.179 \\ 0.563 \end{bmatrix} \quad \dots \quad \begin{bmatrix} 7/33 \\ 5/33 \\ 21/33 \end{bmatrix}$$