



$M = \{3, \{a, b, c\}, T, 1\}$ where

$$T = \begin{bmatrix} 0.0 & 0.5 & 0.5 \\ 0.2 & 0.4 & 0.4 \\ 1.0 & 0.0 & 0.0 \end{bmatrix}$$

e.g., string probably from this language: **abbcacaba**

e.g., string probably not from this language: **aaccbbaaa**

Figure 9.2 An Example Markov Model