How to "Generate" Text?
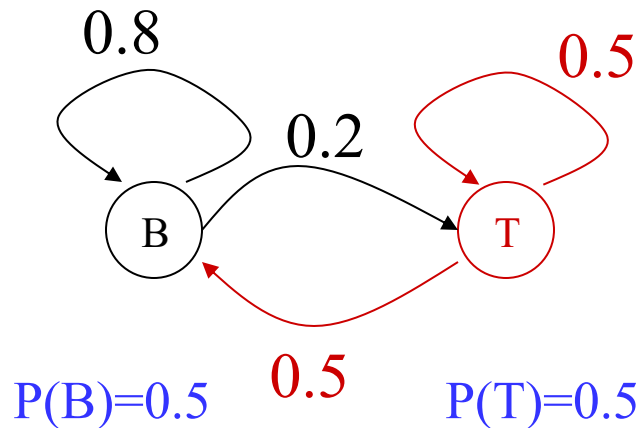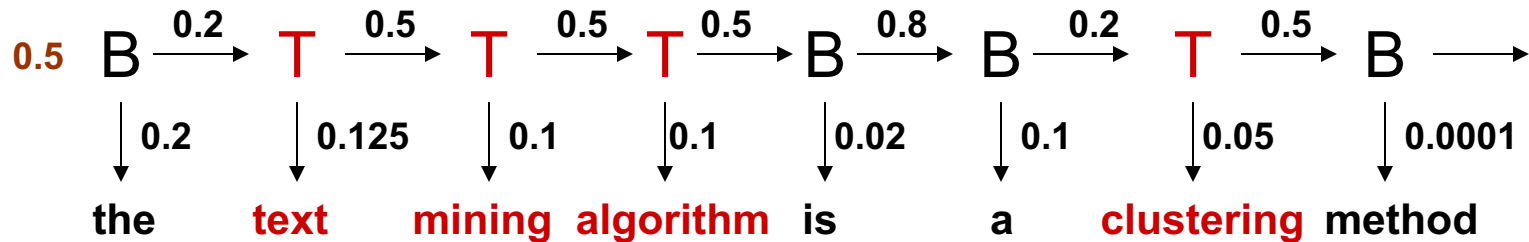
$P(w|B)$

the 0.2
a 0.1
we 0.01
is 0.02
…
method 0.0001
mining 0.00005
…

$P(w|T)$

…
text =0.125
mining = 0.1
algorithm =0.1
clustering = 0.05
…

0.8

0.2

0.5

0.5

B → T

$P(B)=0.5$ $P(T)=0.5$

0.5 B $\xrightarrow{0.2}$ T $\xrightarrow{0.5}$ T $\xrightarrow{0.5}$ T $\xrightarrow{0.5}$ B $\xrightarrow{0.8}$ B $\xrightarrow{0.2}$ T $\xrightarrow{0.5}$ B →

| 0.2 | 0.125 | 0.1 | 0.1 | 0.02 | 0.1 | 0.05 | 0.0001 |

the   text   mining algorithm is   a   clustering method

P(BTT…,"the text mining…")=p(B)p(the|B) p(T|B)p(text|T) p(T|T)p(mining|T)…
= 0.5*0.2 * 0.2*0.125 * 0.5*0.1…

10