

Probability of NOUN state given “likes”

→ ADJ
 $q=0.25$

ADJ
 $q=0.25 \cdot 0.4 \cdot 0.1$

→ NOUN
 $q=0.5$

0.4

NOUN
 $q=0.5 \cdot 0.4 \cdot 0.2$

→ VERB
 $q=0.25$

VERB
0.2

a

bear

likes

honey