



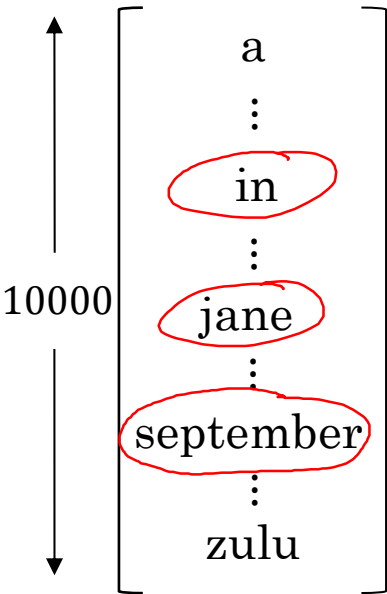
deeplearning.ai

Sequence to sequence models

Beam search

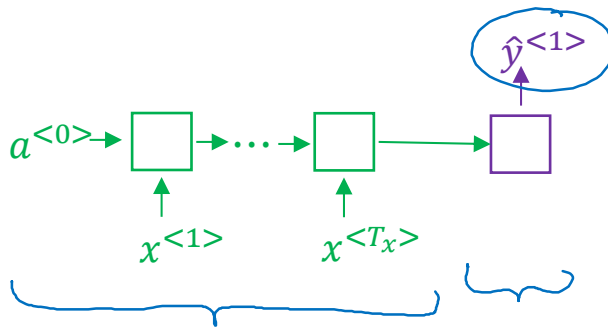
Beam search algorithm

Step 1



$B = 3$ (beam width)
consider 3rd of a the

$$\rightarrow P(y^{<1>} | x)$$



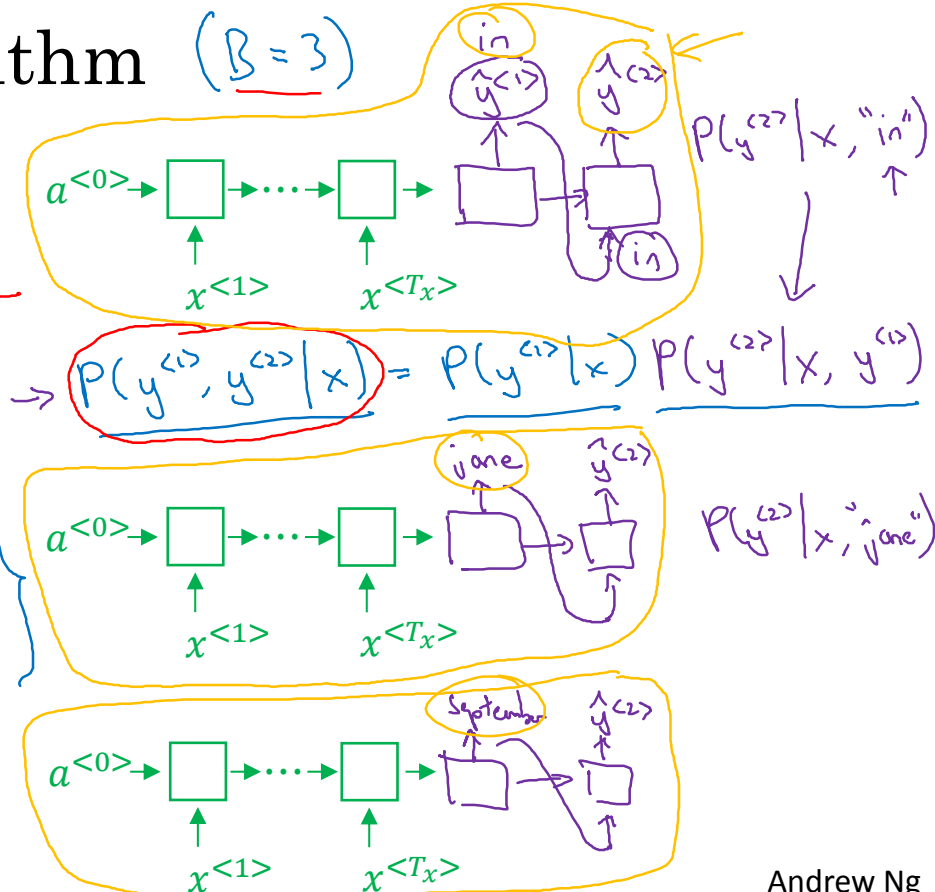
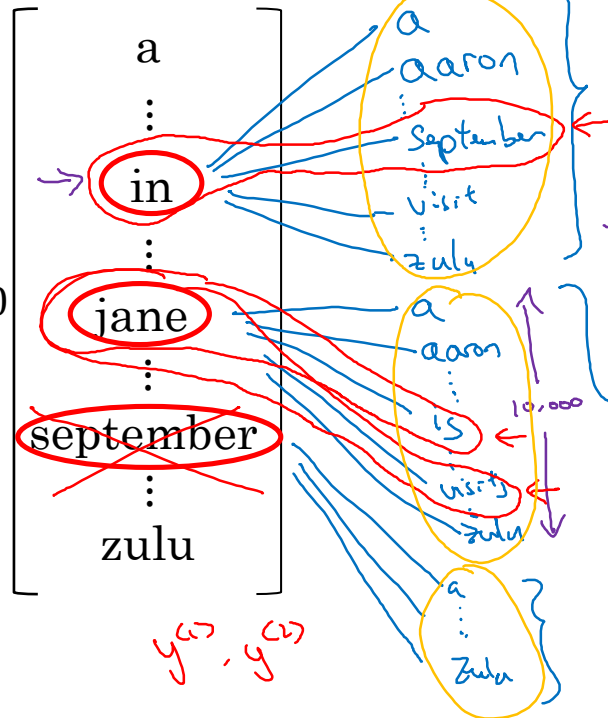
Beam search algorithm

($B=3$)

10000

Step 1

Step 2

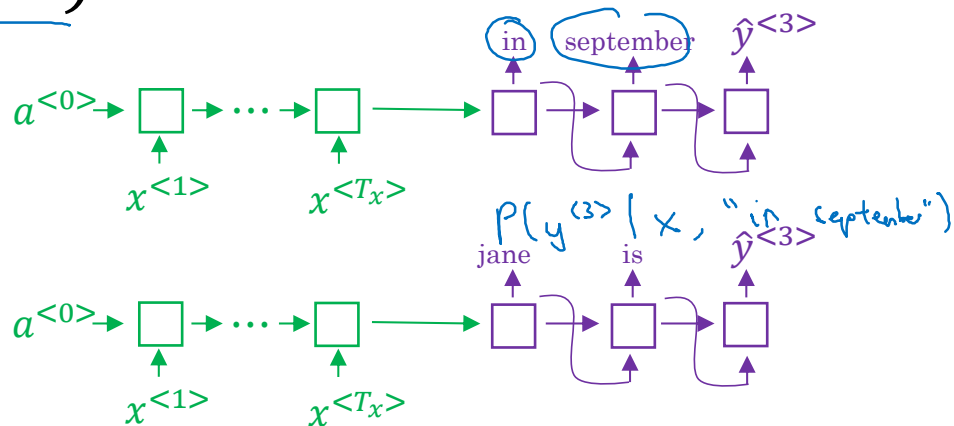


Beam search ($B = 3$)

$B = 1 \rightarrow$ greedy search

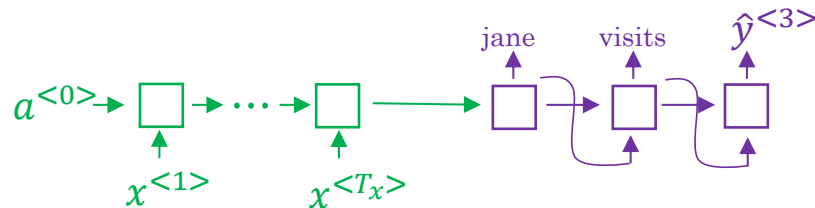
in september

a
aaron
jane
zulu



jane is

a
is
zulu



jane visits

a
africa
zulu

$$P(y^{<1>}, y^{<2>} | x)$$

jane visits africa in september. <EOS>