



deeplearning.ai

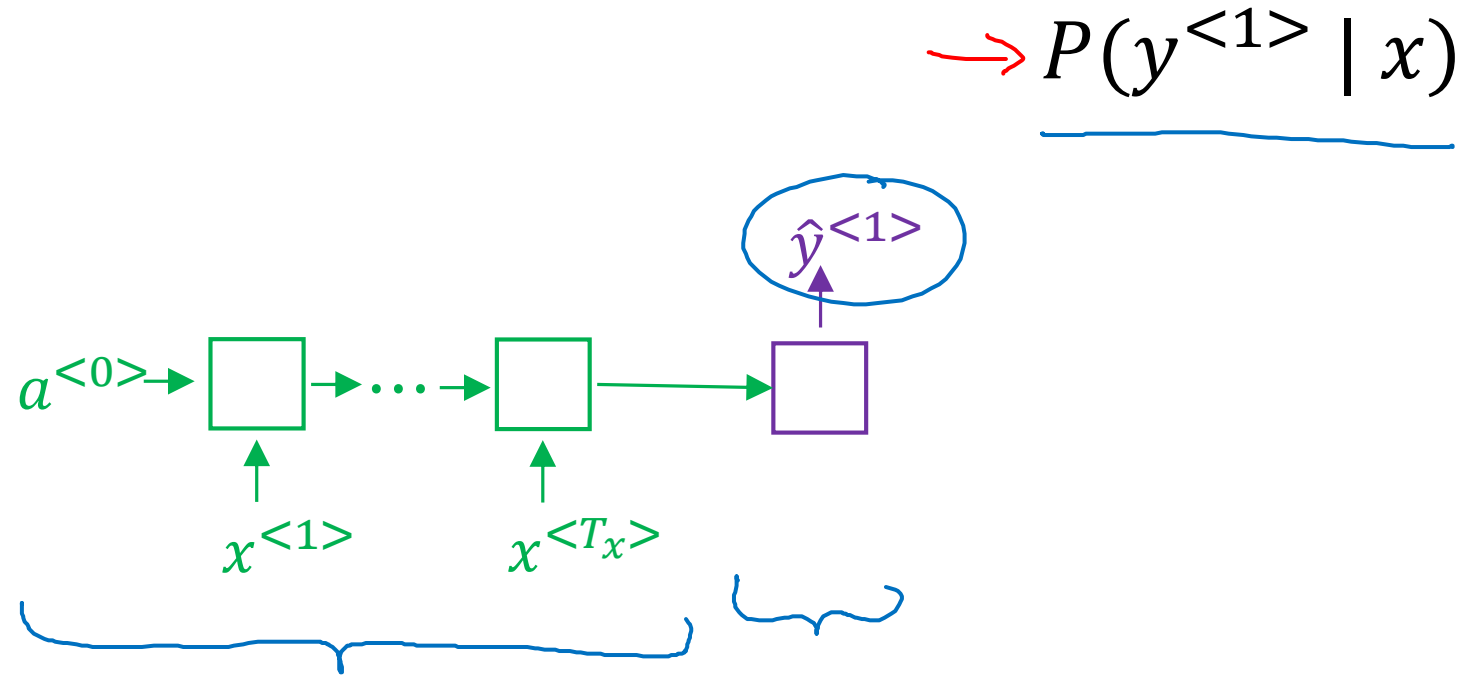
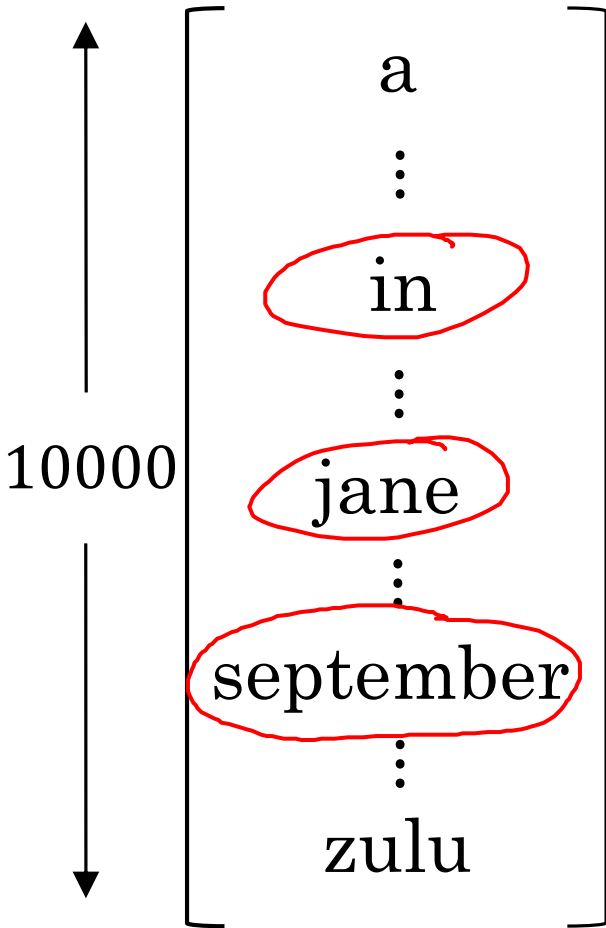
Sequence to sequence models

Beam search

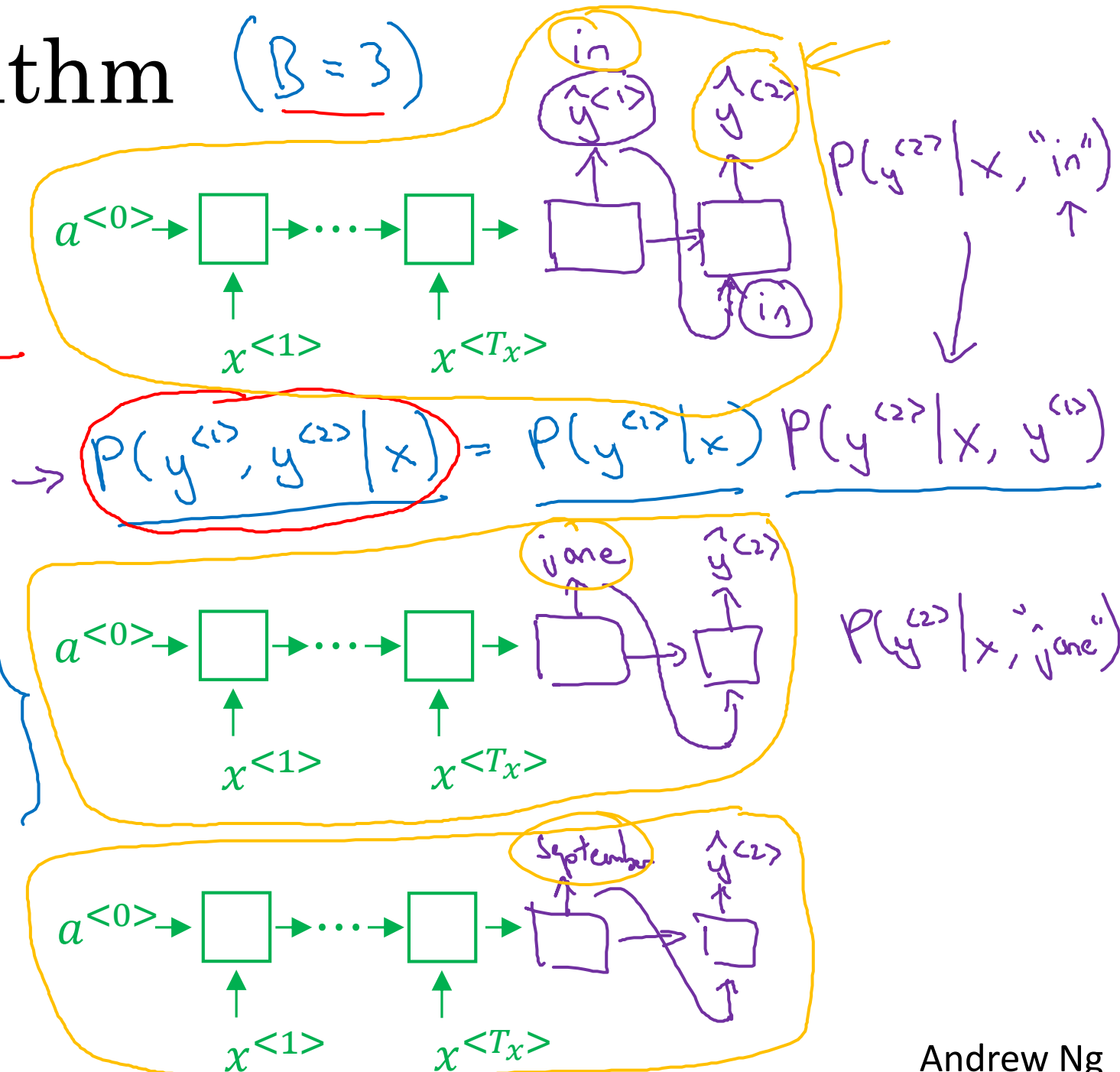
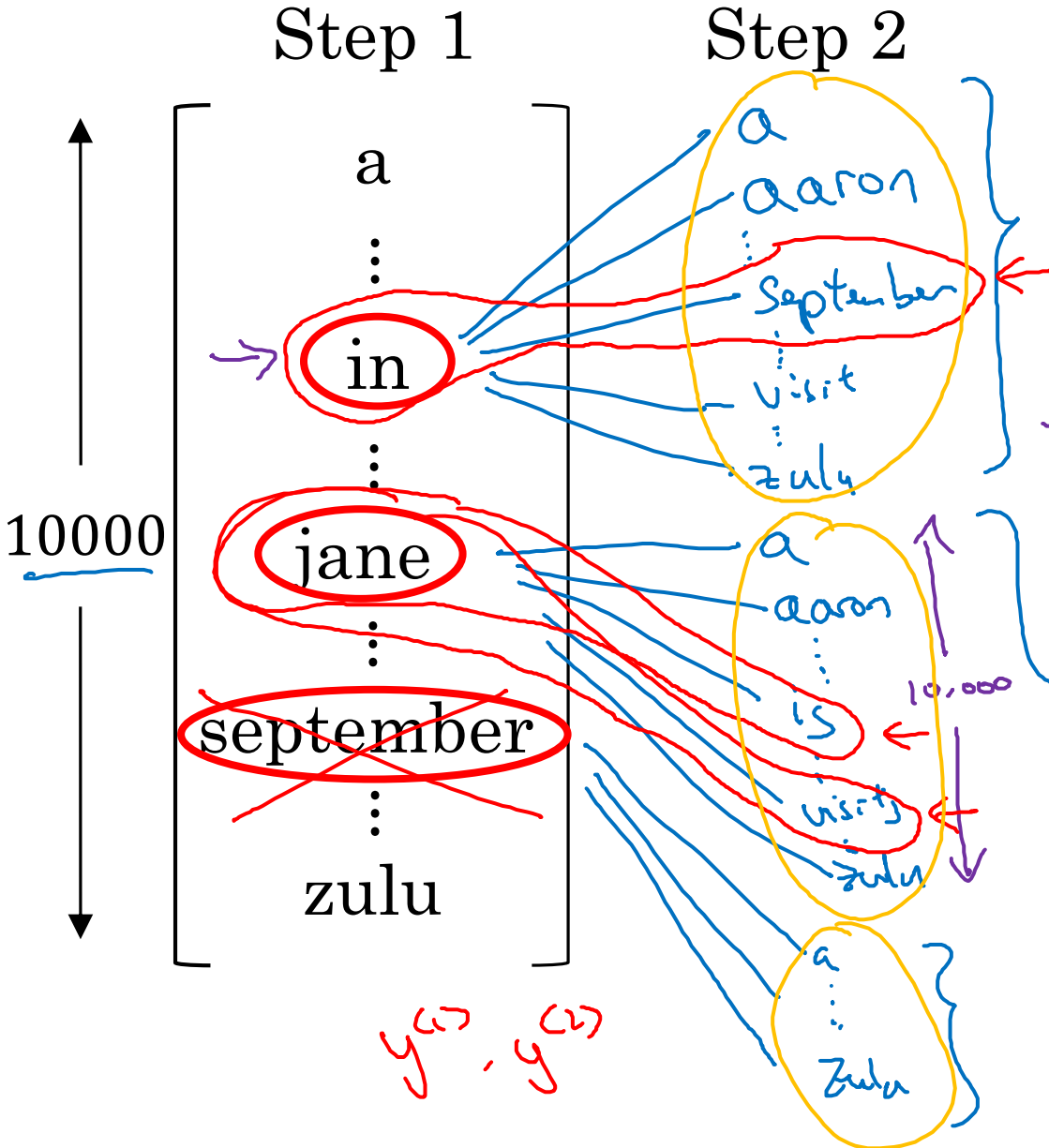
Beam search algorithm

$B = 3$ (beam width)

Step 1



Beam search algorithm

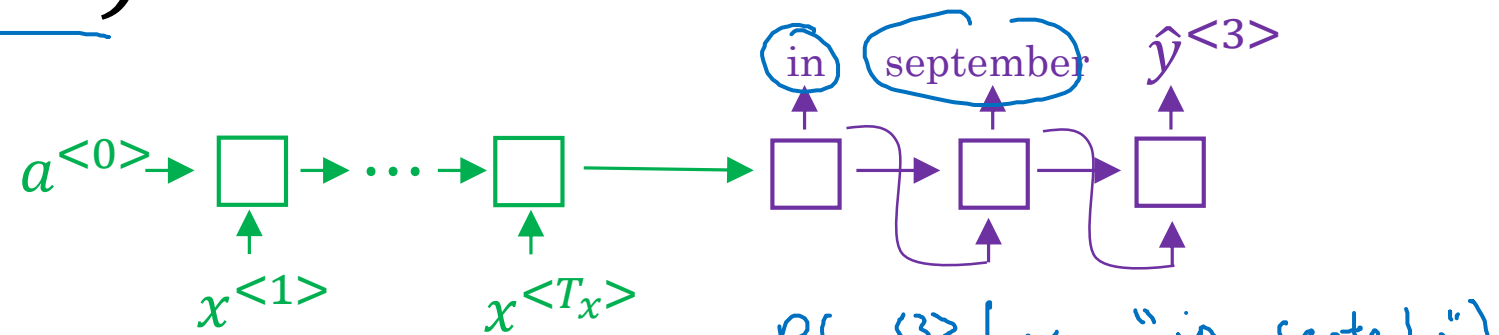
$$(B = 3)$$


Beam search ($B = 3$)

$B=1 \rightsquigarrow$ greedy search

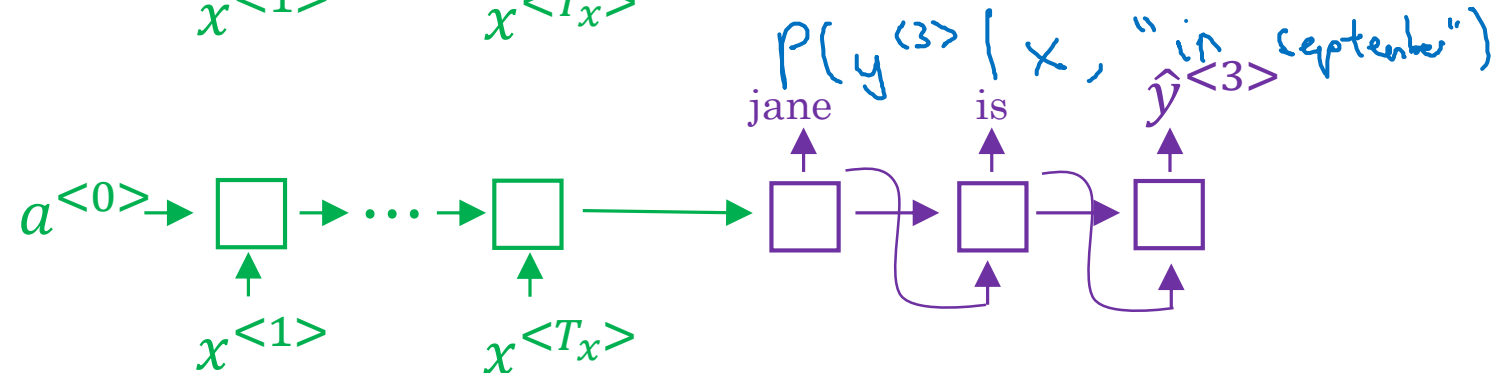
in september

a
aaron
jane
zulu



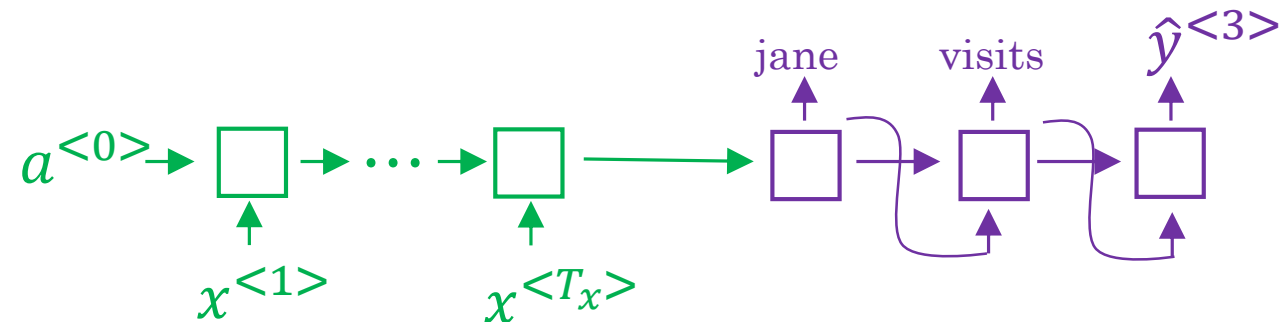
jane is

a
visits
zulu



jane visits

a
africa
zulu



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

jane visits africa in september. <EOS>