



deeplearning.ai

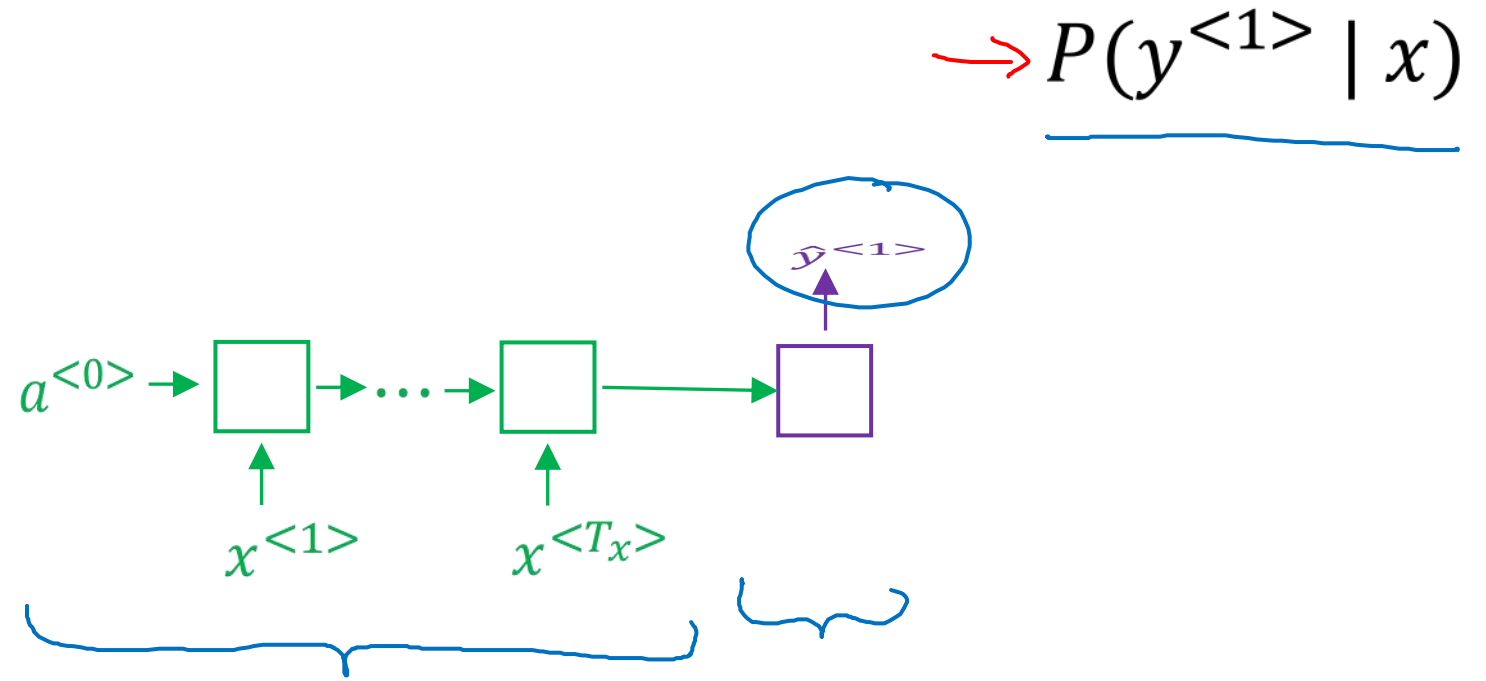
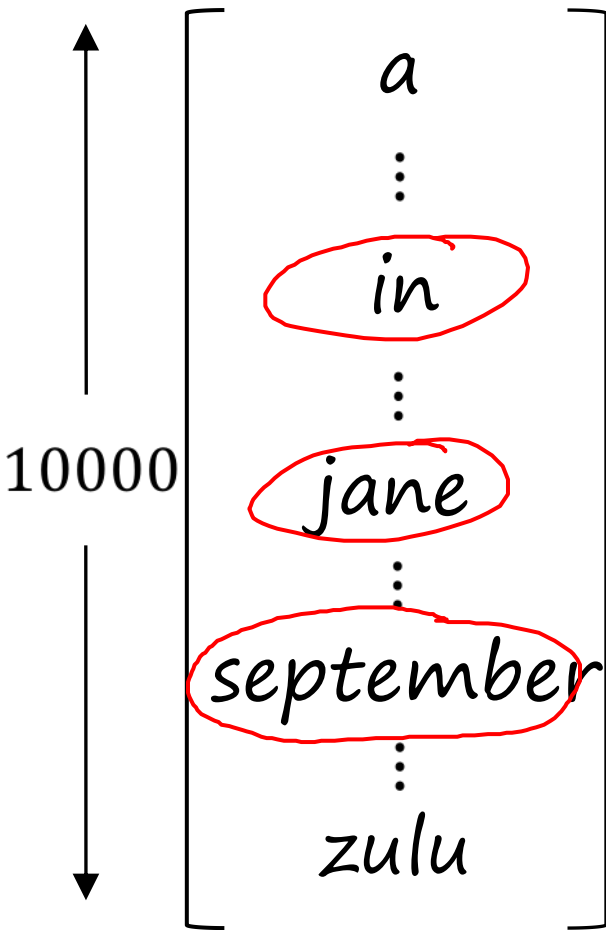
# Sequence to sequence models

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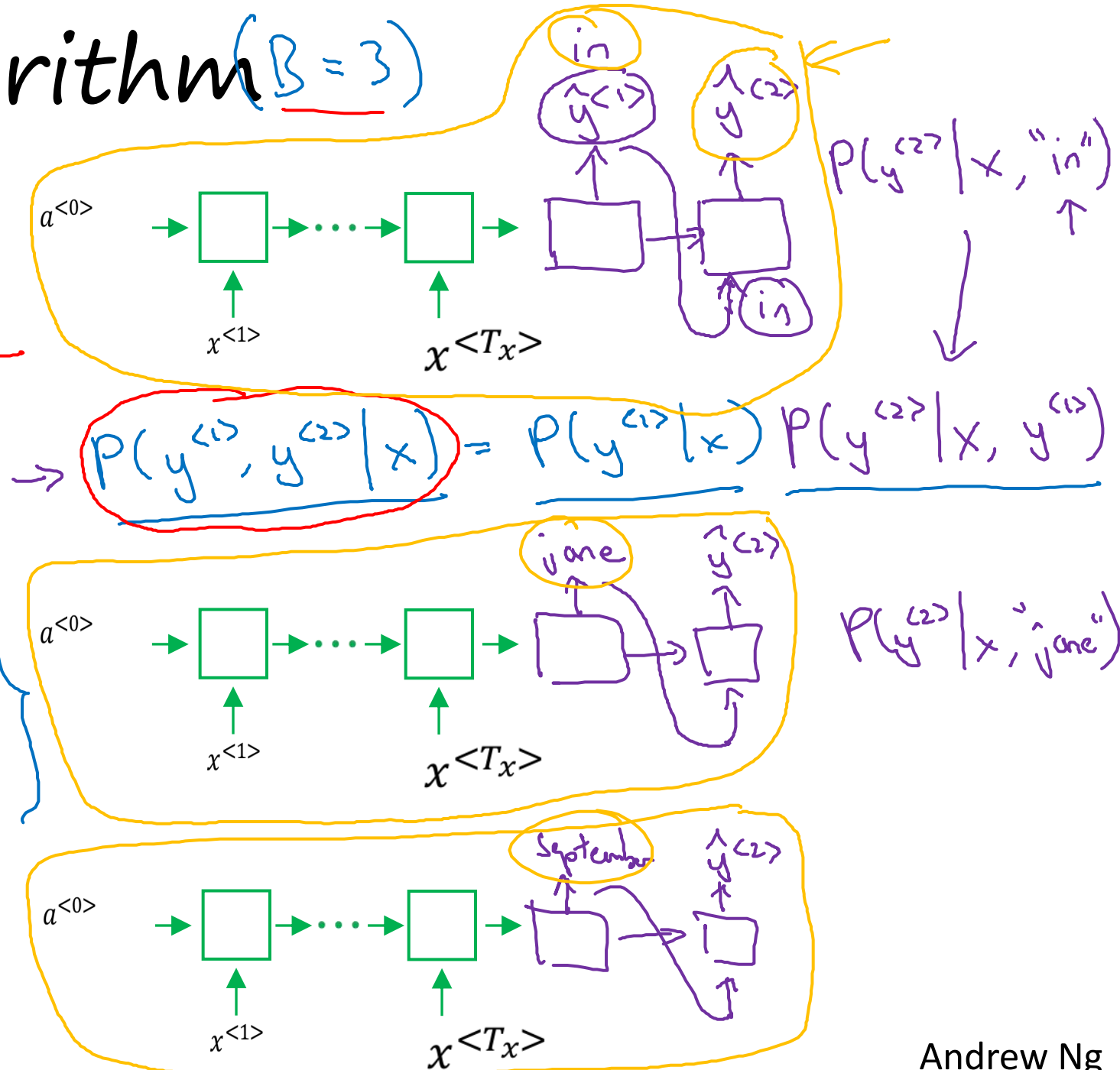
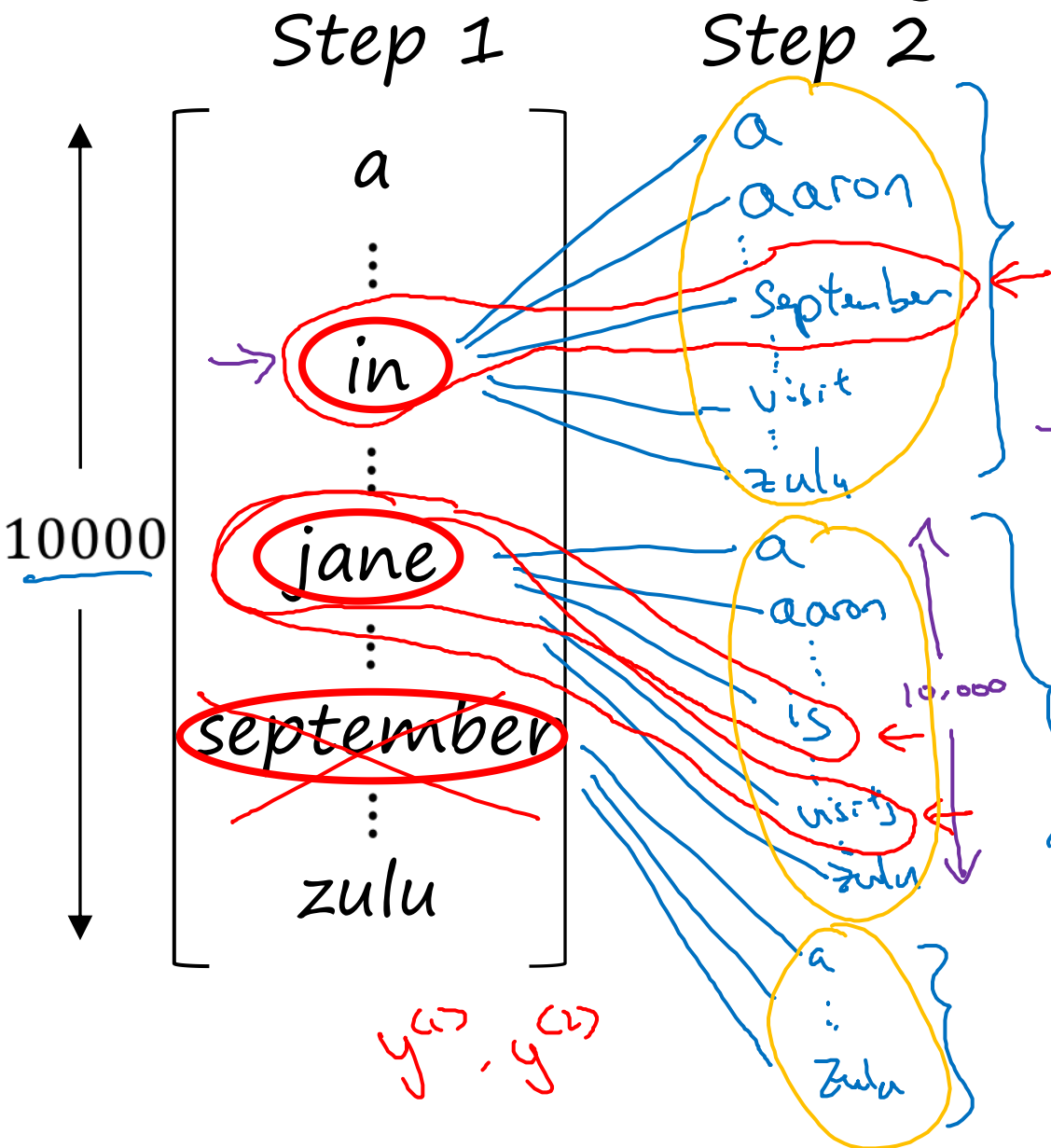
## Beam search

# Beam search algorithm $B = 3$ (beam width)

Step 1



# Beam search algorithm (B=3)

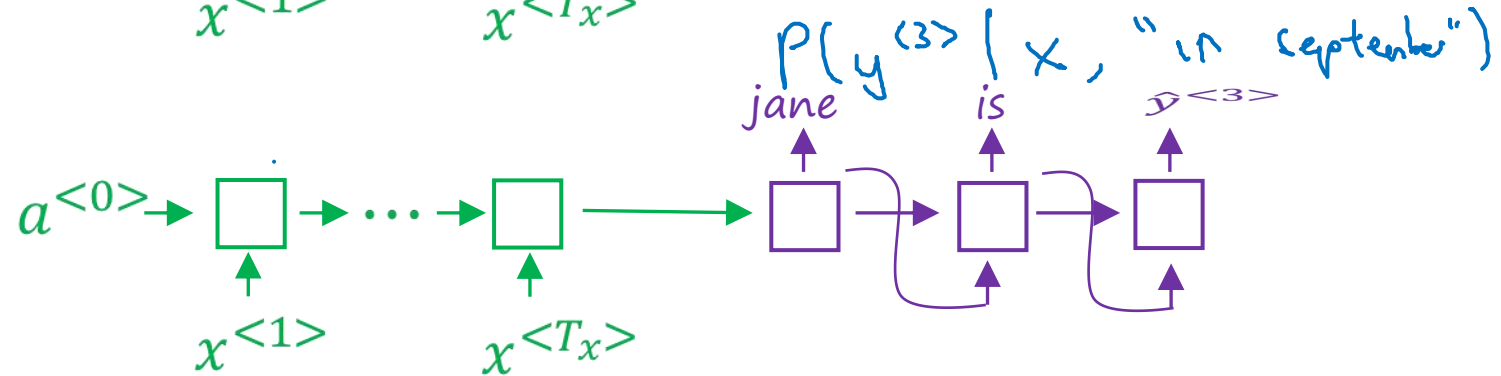
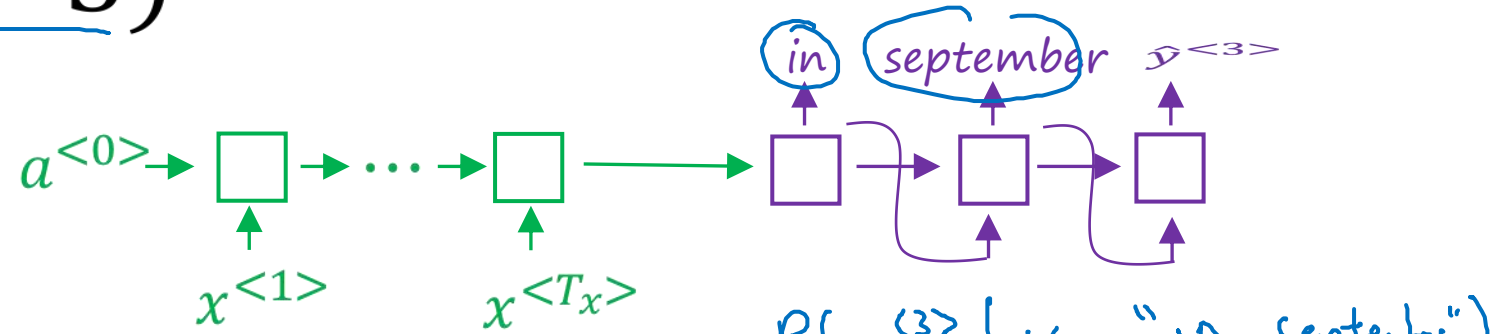


# Beam search ( $B = 3$ )

$B = 1 \rightsquigarrow$  greedy search

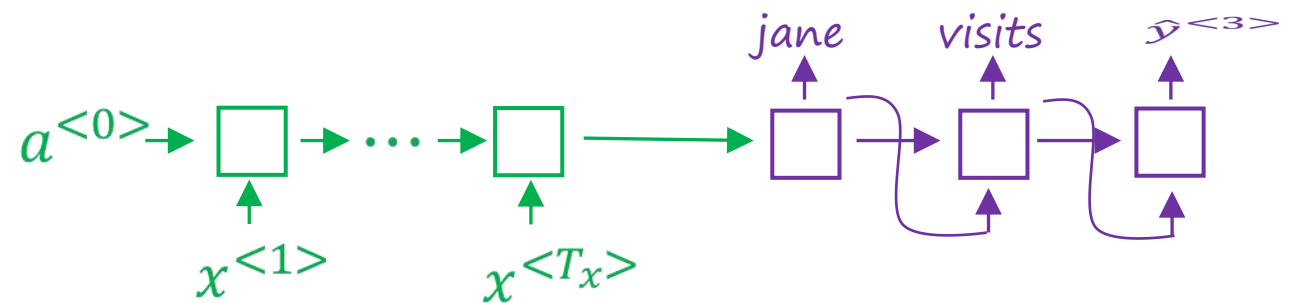
in september

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>