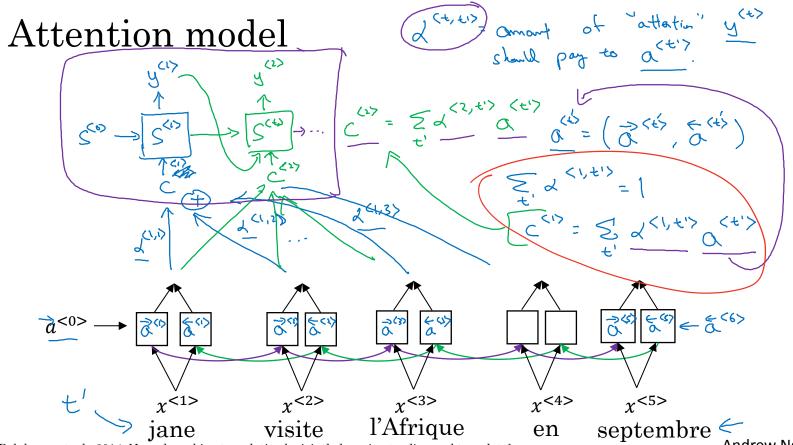


Sequence to sequence models

Attention model

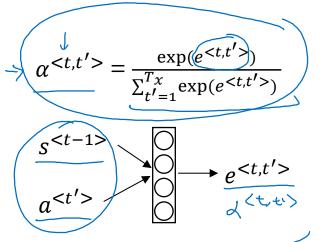


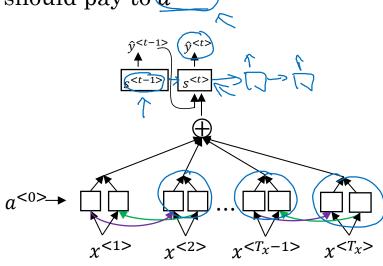
[Bahdanau et. al., 2014. Neural machine translation by jointly learning to align and translate]

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Computing attention $\underline{\alpha^{\langle t,t'\rangle}}$

 $\alpha^{< t,t'>}$ = amount of attention $y^{< t>}$ should pay to $\alpha^{< t'>}$





[Bahdanau et. al., 2014. Neural machine translation by jointly learning to align and translate]

[Xu et. al., 2015. Show, attend and tell: Neural image caption generation with visual attention]

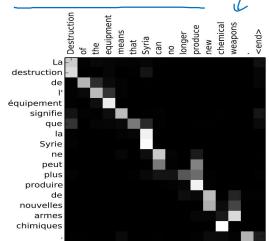
Attention examples

July 20th $1969 \longrightarrow 1969 - 07 - 20$

23 April, 1564 →

1564 - 04 - 23

<end>



Visualization of $\alpha^{\langle t,t'\rangle}$:

