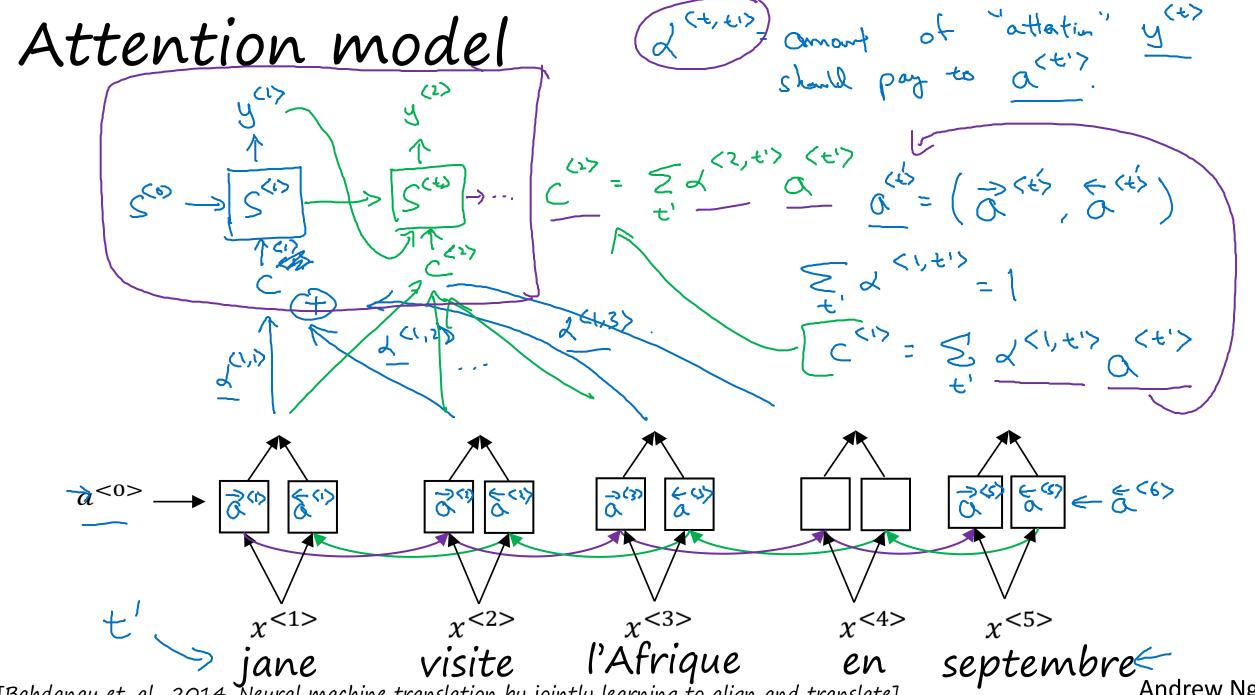


Sequence to sequence models

Attention model

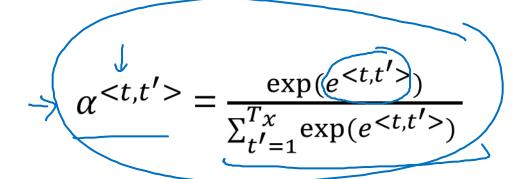


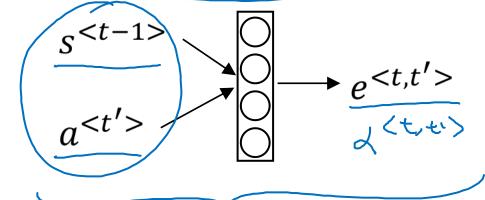
[Bahdanau et. al., 2014. Neural machine translation by jointly learning to align and translate]

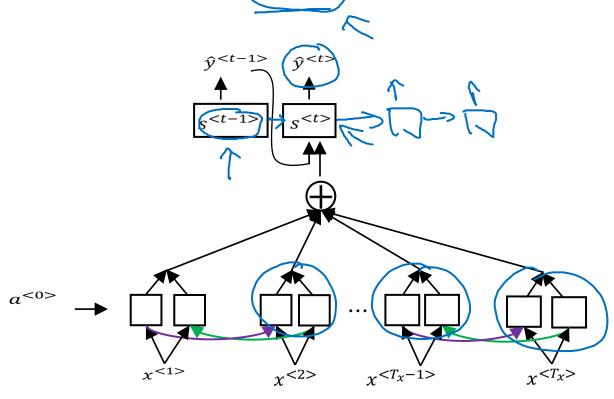
Andrew Ng

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

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







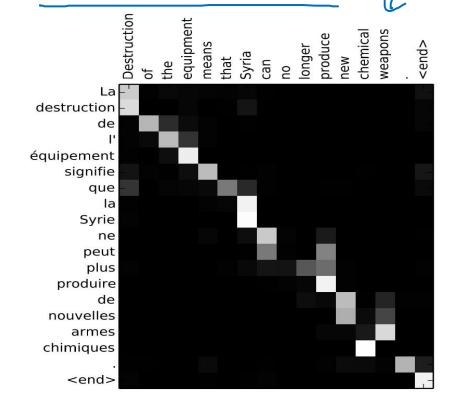
[Bahdanau et. al., 2014. Neural machine translation by jointly learning to align and translate]
[Xu et. al., 2015. Show, attend and tell: Neural image caption generation with visual attention]

Attention examples

July 20th
$$1969 - 07 - 20$$

23 April, 1564 →

1564 - 04 - 23



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