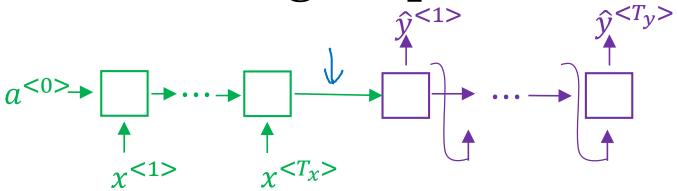


## Sequence to sequence models

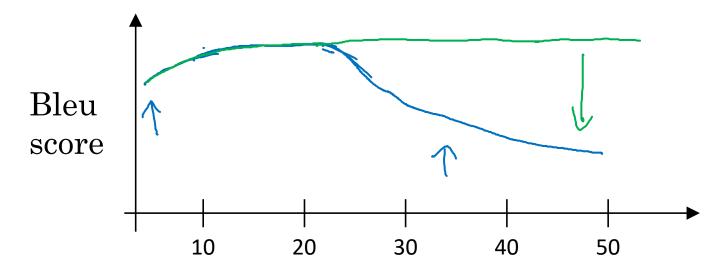
## Attention model intuition

## The problem of long sequences



Jane s'est rendue en Afrique en septembre dernier, a apprécié la culture et a rencontré beaucoup de gens merveilleux; elle est revenue en parlant comment son voyage était merveilleux, et elle me tente d'y aller aussi.

Jane went to Africa last September, and enjoyed the culture and met many wonderful people; she came back raving about how wonderful her trip was, and is tempting me to go too.



Sentence length

Attention model intuition Africa visits Jone <o>> م ديري ر لادینک 2/(1/0) **☆**<2>  $\hat{v}^{<3>}$  $a^{<0>}$  $\dot{\chi}$ <1> l'Afrique en visite septembre jane