

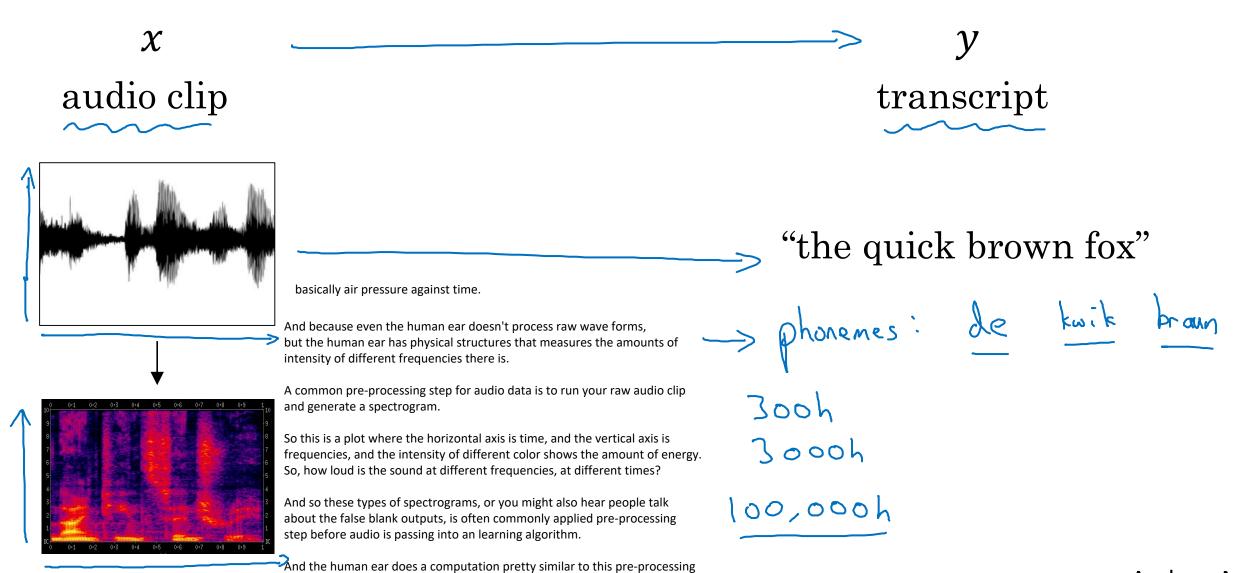
## Audio data

# Speech recognition

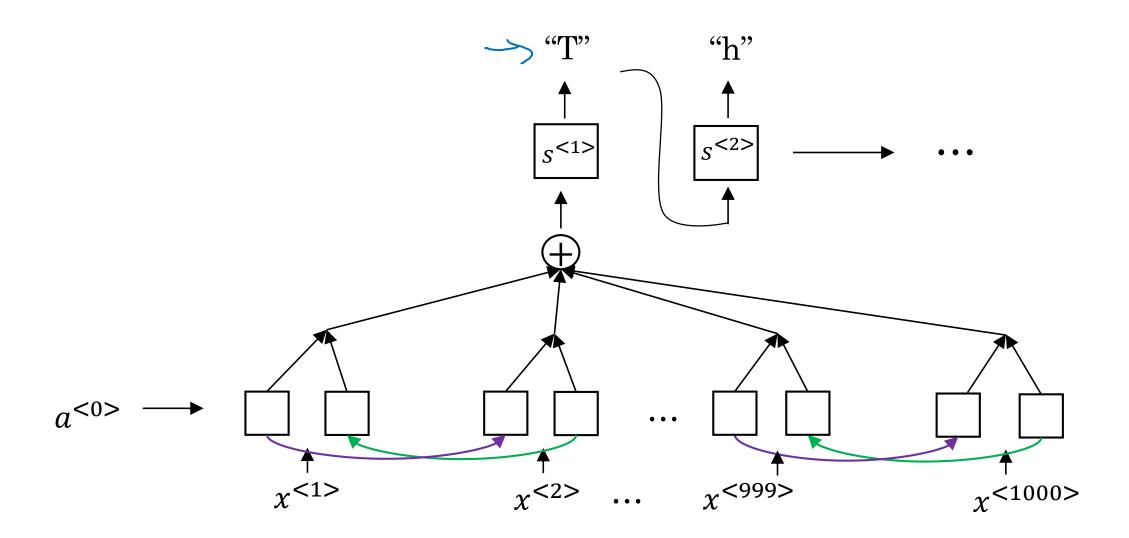
One of the most exciting developments where sequence to sequence models has been the rise of very accurate speech recognition. Give a sense these sequence to sequence models are applied to audio data, such as the speech.

### Speech recognition problem

step.

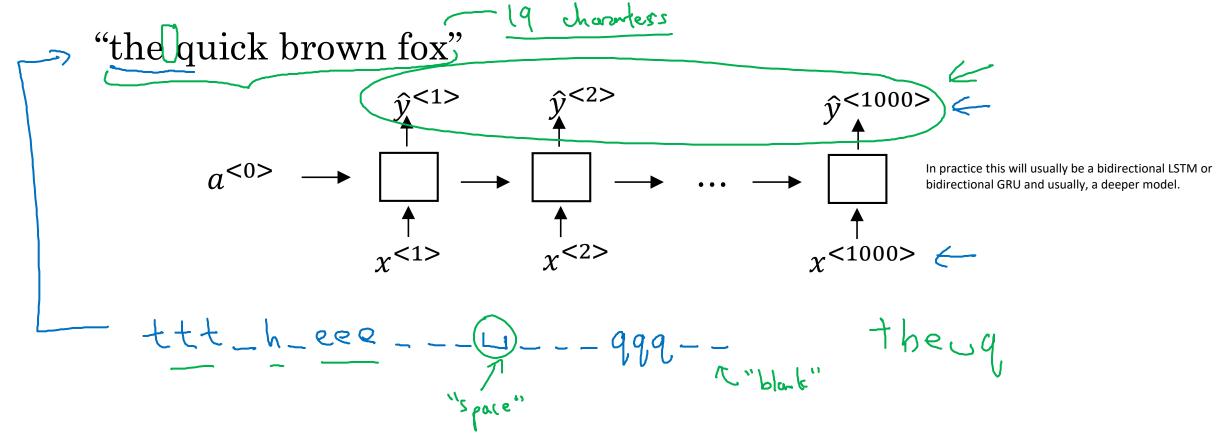


#### Attention model for speech recognition



### CTC cost for speech recognition

(Connectionist temporal classification)



Basic rule: collapse repeated characters not separated by "blank"