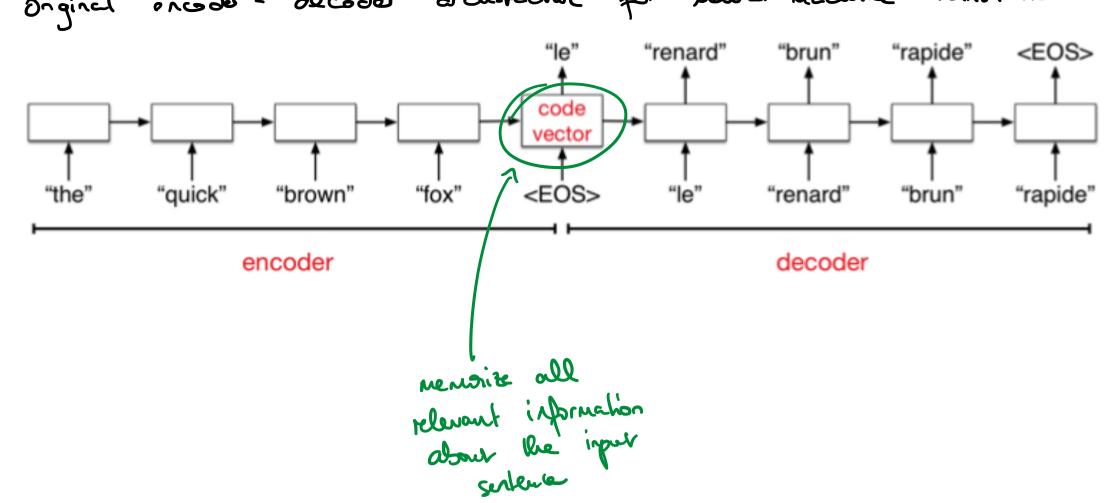
Sunday, November 29, 2020 6:44 PM

Original oncoder - decoder architecture for neural machine translation



Attention-based modeling I book at input sequence (sewhere) when generating text

Encoder: bidirectional RNN.

Goal: compute an annotation vector (which the decoder will consult when it generates (which the output separae)

Bidirectional: theo RNNS

() One processes the words in the forward order

() Second becomes order

(i)

(i)

(ii)

(iii)

(iii)

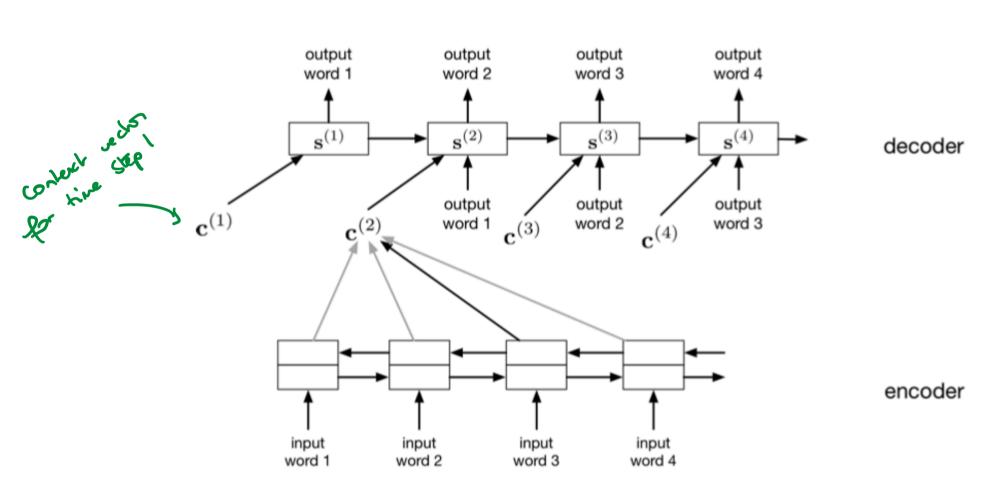
(iv)

(i

Annotation rector: concatenation of the hidden units of the 2 RNNs.

mary 1

Decoder: will get a context vector in addition to
the words (generated up to current time step) as its inputs



Seft-attention model:

-2(i): context we have for output time dep i (decoder)

t: index of time steps in the input (encoder)

