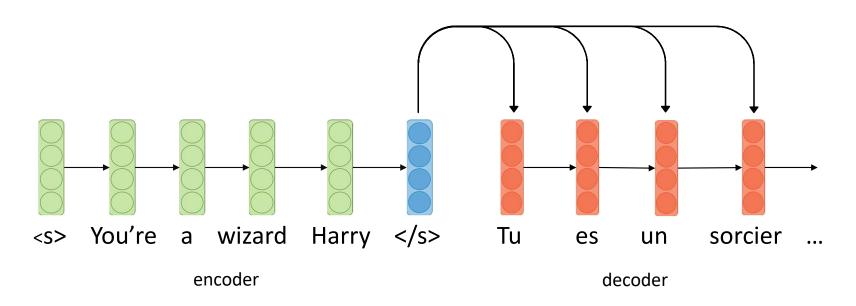


Cho et al., (2014): connect to every state in decoder

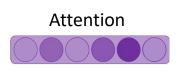


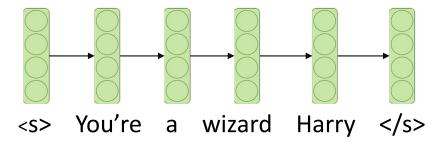
- Soft version of alignment
- Represents how important each word in input is to predicting a word in output
- We'll talk about how much the network "attends" to each word.
- First used in MT, improves BLEU score by 10 pts

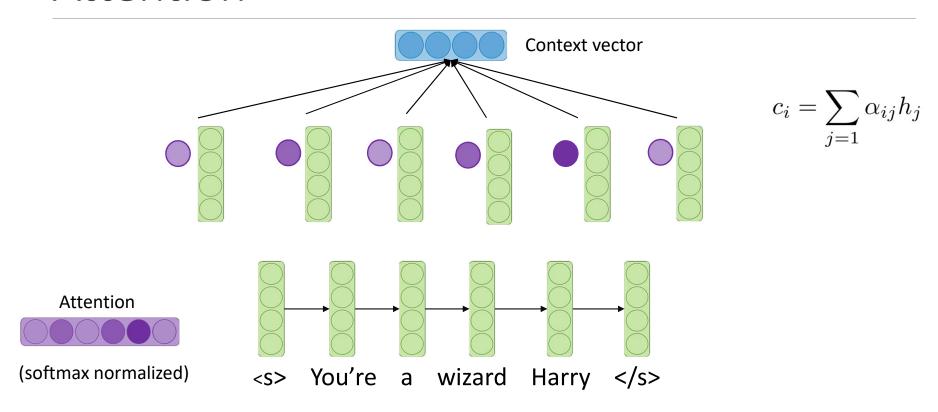
Bahdanau, Dzmitry, Kyunghyun Cho, and Yoshua Bengio. (2014) Neural machine translation by jointly learning to align and translate.

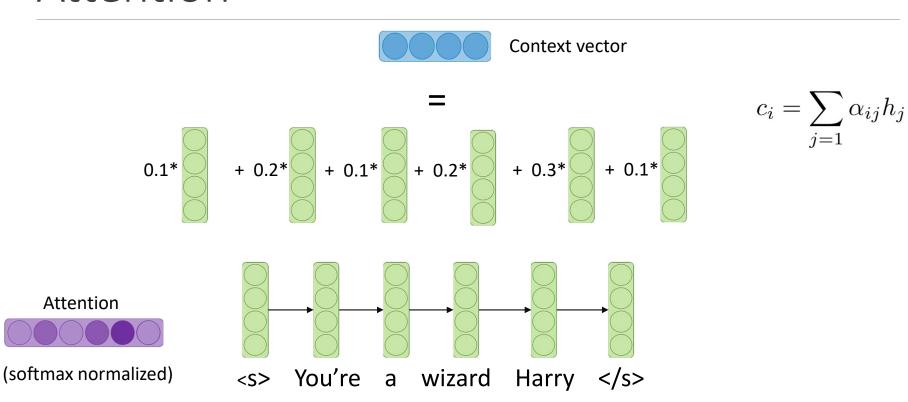
# Activity

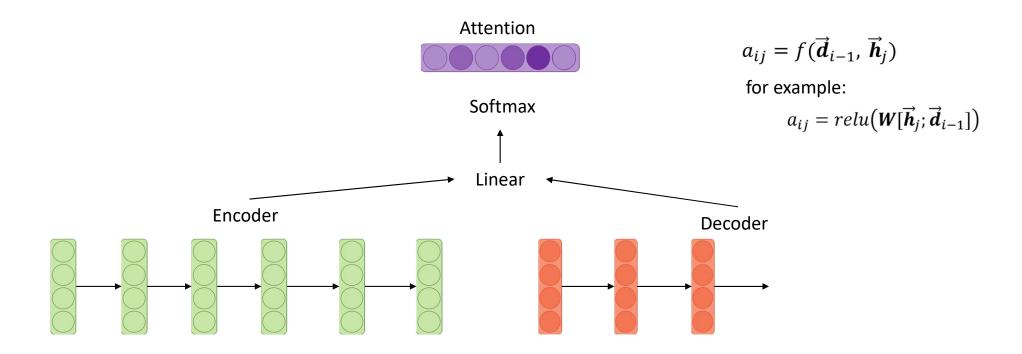
Question									Answer		
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	AUX	DFT	preferred		ADP		<u>Jedi</u> PROPN	?	A	light	saber

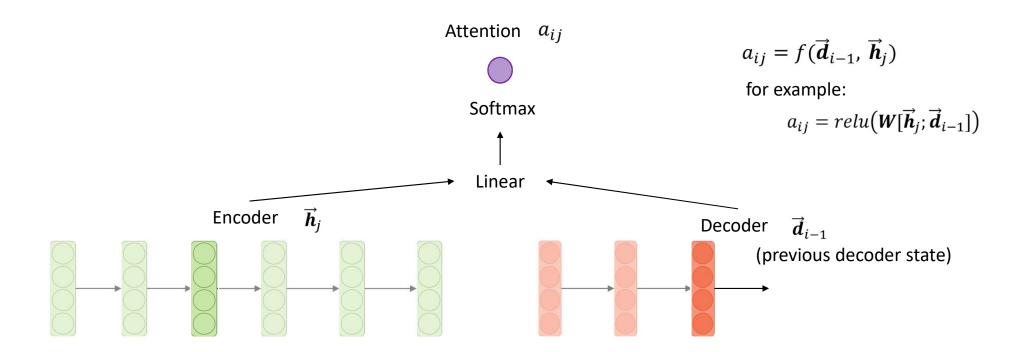


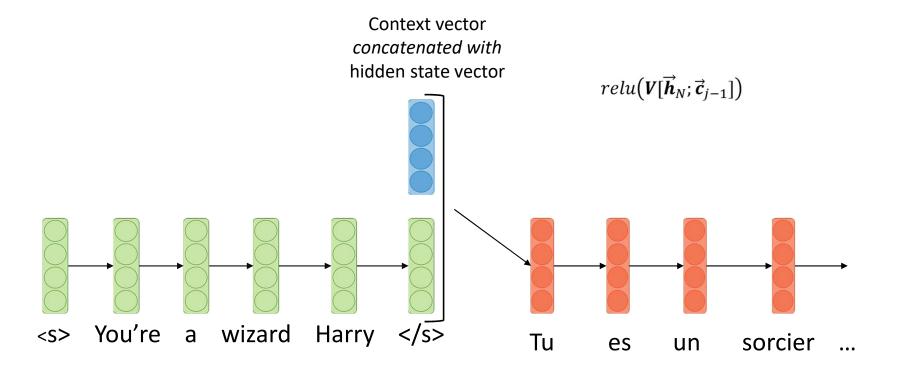


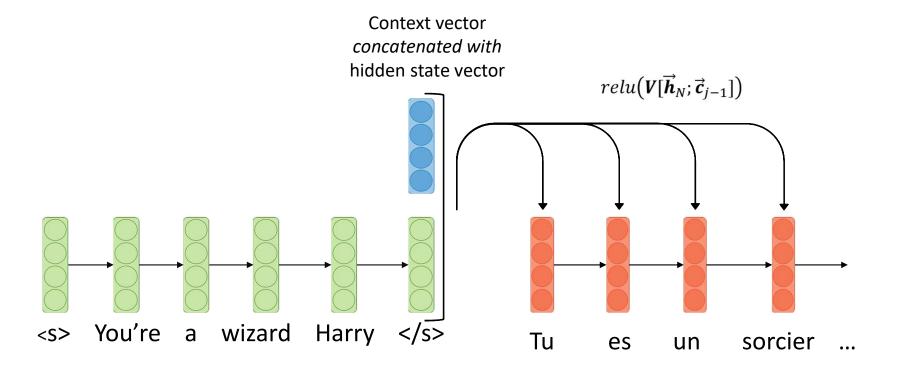












Every attention value depends on one word in the source and one in the target.

Attention matrix tells us how "important" a source word is for each target word (much like alignment).

