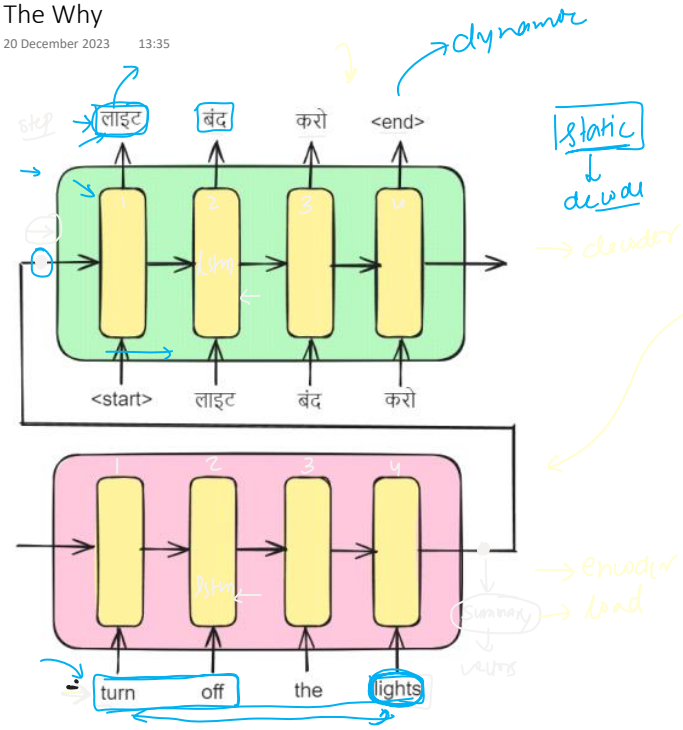
The Why

20 December 2023 13:35

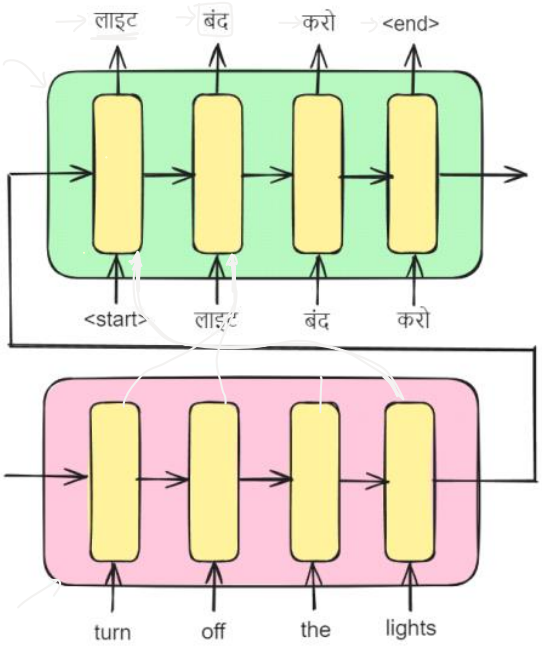


Once upon a time in a small Indian village, a mischievous monkey stole a turban from a sleeping barber, wore it to a wedding, danced with the bewildered guests, accidentally got crowned the 'Banana King' by the local kids, and ended up leading a vibrant, impromptu parade of laughing villagers, cows, and street dogs, all while balancing a stack of mangoes on its head, creating a hilariously unforgettable spectacle and an amusing legend that the village still chuckles about every monsoon season.

The Solution

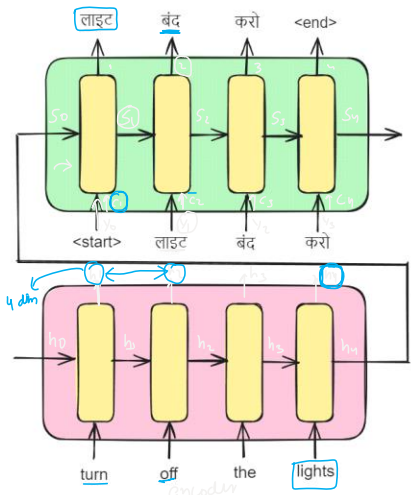
20 December 2023 17:32

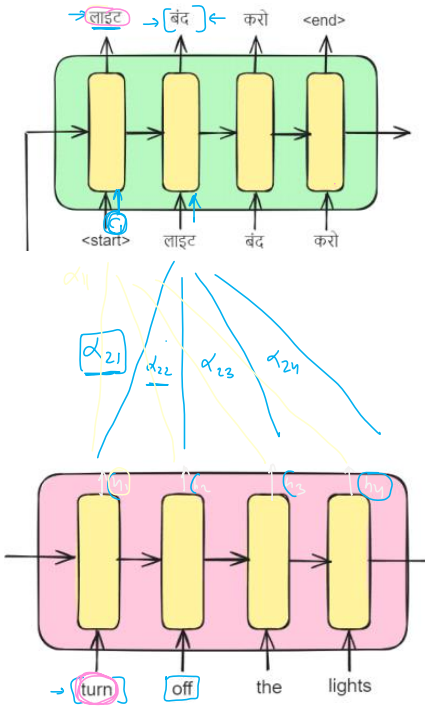
Once upon a time in a small Indian village, a mischievous monkey stole a turban from a sleeping barber, wore it to a wedding, danced with the bewildered guests, accidentally got crowned the 'Banana King' by the local kids, and ended up leading a vibrant, impromptu parade of laughing villagers, cows, and street dogs, all while balancing a stack of mangoes on its head, creating a hilariously unforgettable spectacle and an amusing legend that the village still chuckles about every monsoon season.



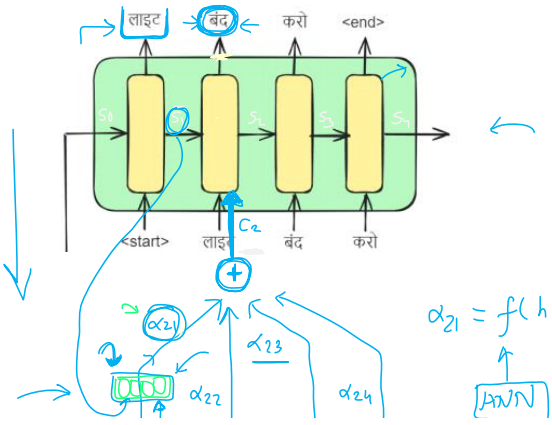
The What

21 December 2023 06:04

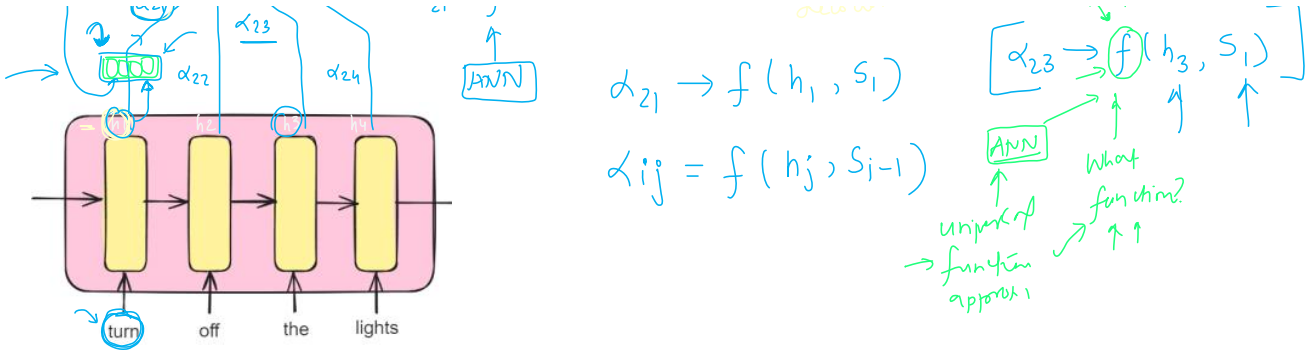


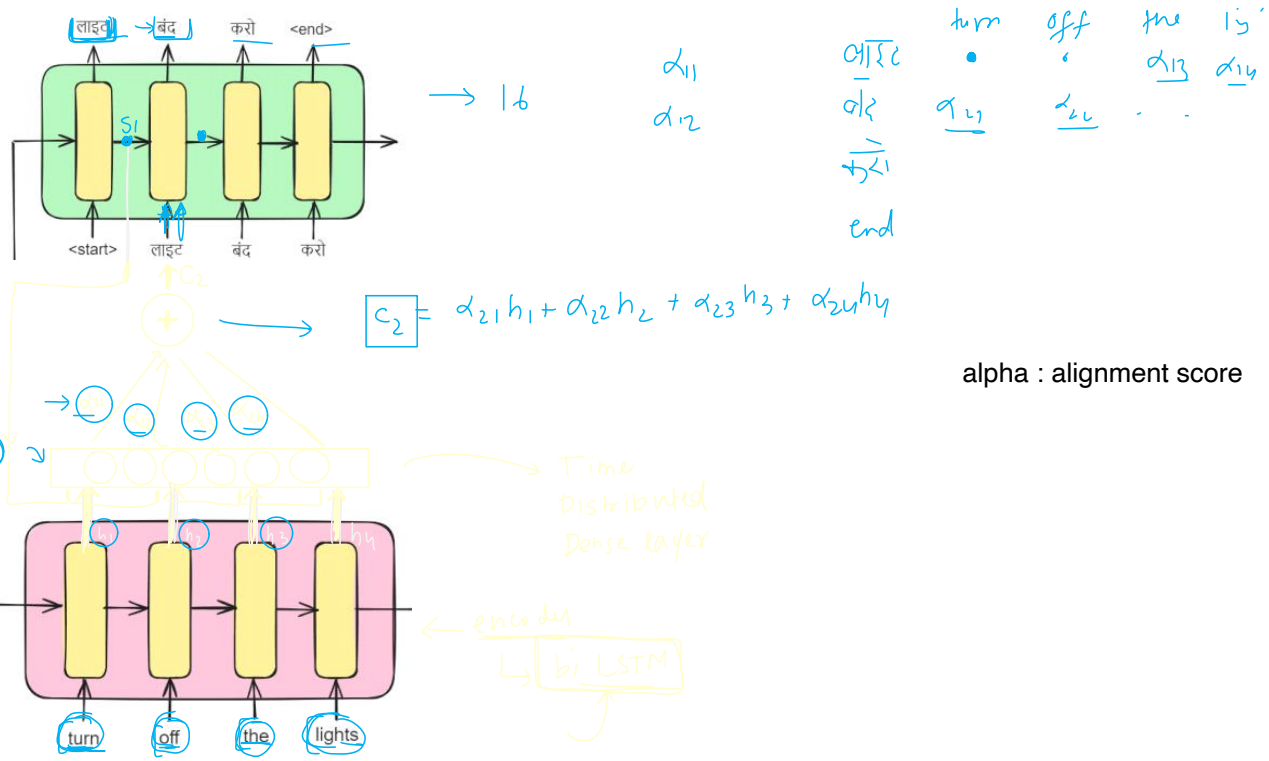


Here in this encoder decoder architecture ,
the decoder takes following thing at each time step :
previous hiiden state of at each time step decoder , current input (like token) and the conextual embedding from (i.e a1 * h1 + ...) encoder

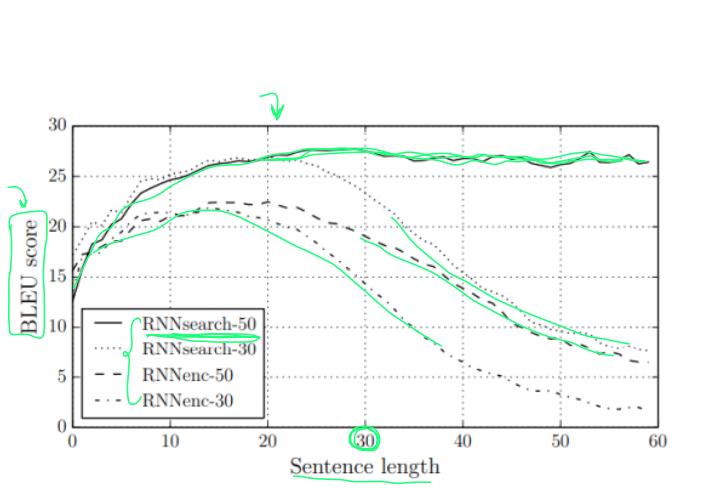


Now this is calculated using ann , which is feeded . Like if we have to calculate a21 , (1 for encoder time step , 2 for decoder) then h2(decoder) + h1(encoder) wala is feeded.
a21 is like how much we need encoder wala given that previous decoder wala is this. Using this context wala
c2 : (a21 * h1 + a22 * h2 + a23 * h3....)
so to produce output : (c2 + h2(decoder) + prev output)

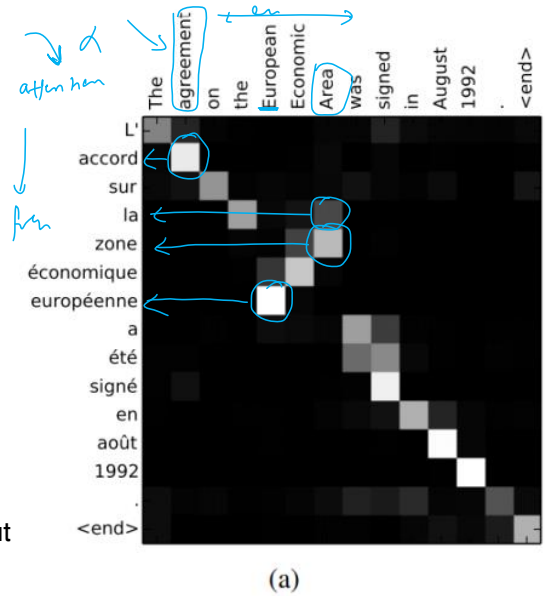




alpha : alignment score



Here like Bleu score is calculate and use of attention improves



(a)

This thing show how is like each decoder wala is influence by input wala , some requires (some two three words for context)