Alignment

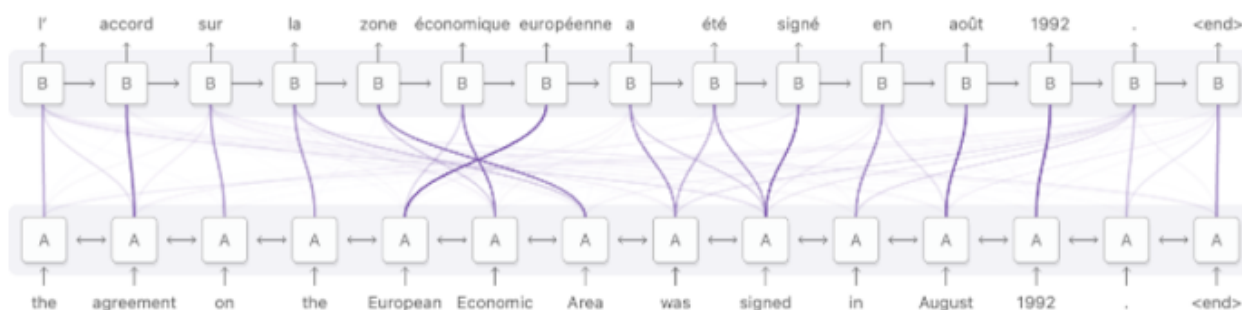
Name

HM

Consider the following Neural Machine Translation problem. The encoder is used to map the English Input Sequence "the agreement on the European Economic Area was signed in August 1992 . <end>" into a list of hidden states. Then, at each iteration of the decoder, we use all the hidden states weighted by the "attention weights' represented in the following figure:

The attention weights:
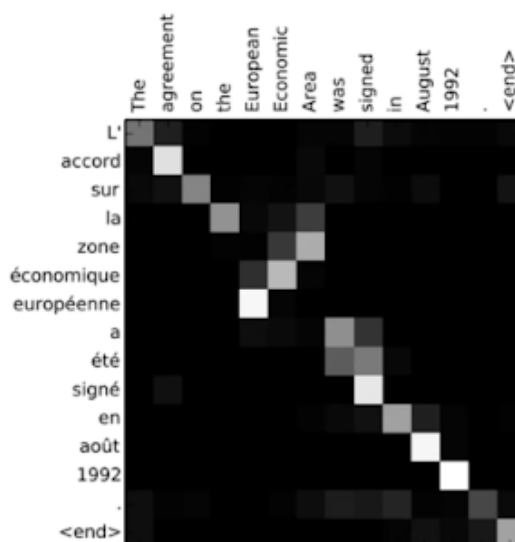
Which kind of RNN application are we dealing with ?

2 points

○ Many to One

○ Many to Many (Aligned case)

◉ Many to Many (Unaligned case)

How many RNNs are represented in the previous figure ?

2 points

○ 1

◉ 2

The encoder RNN is represented with the letter

1 point

◉ A

○ B

The decoder RNN is represented with the letter

1 point

○ A

◉ B

How many encoder hidden states do we take into consideration when creating each   2 points
input to the decoder ?

◉ 14

◯ 1

To generate the word "zone", the input to the decoder assigns the highest weight to   2 points
the hidden state associated with the input:

◯ European

◉ Area

◯ signed

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