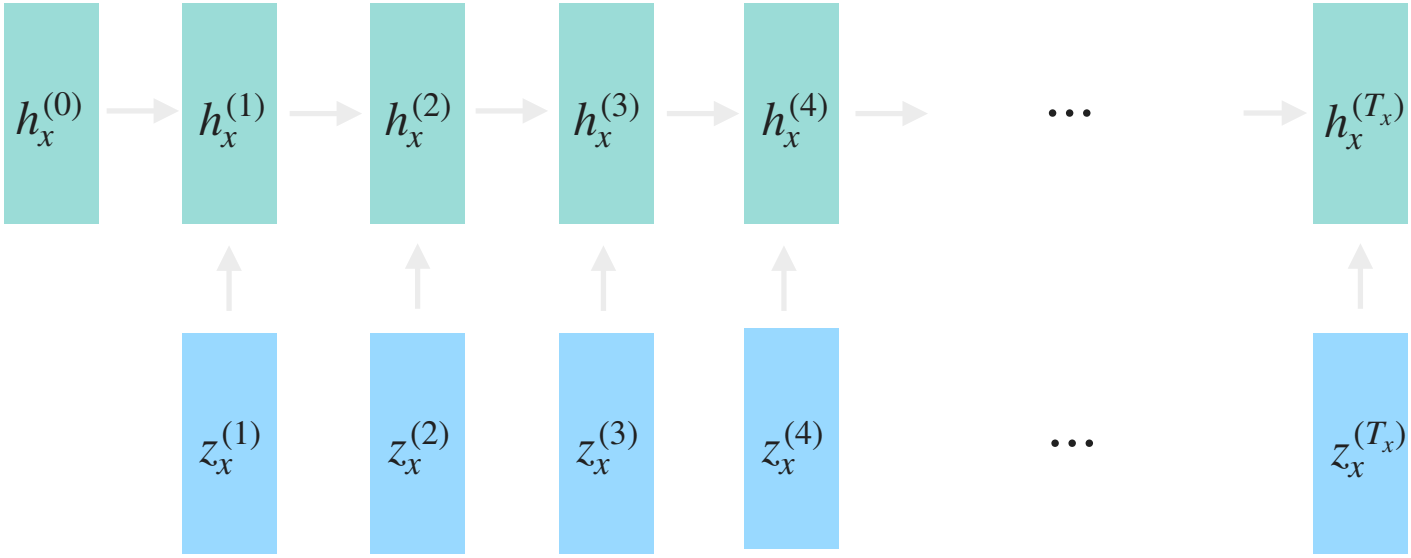
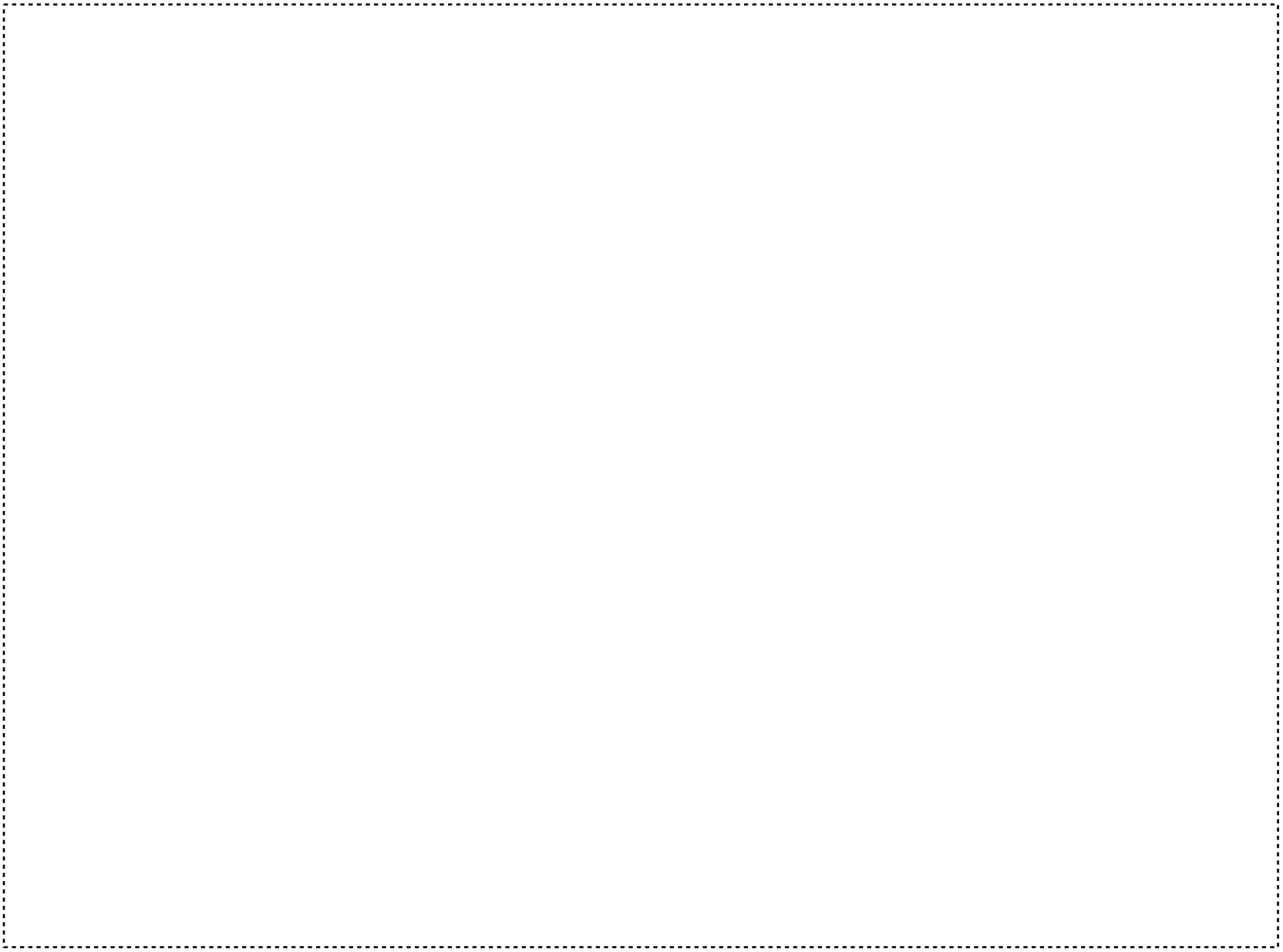
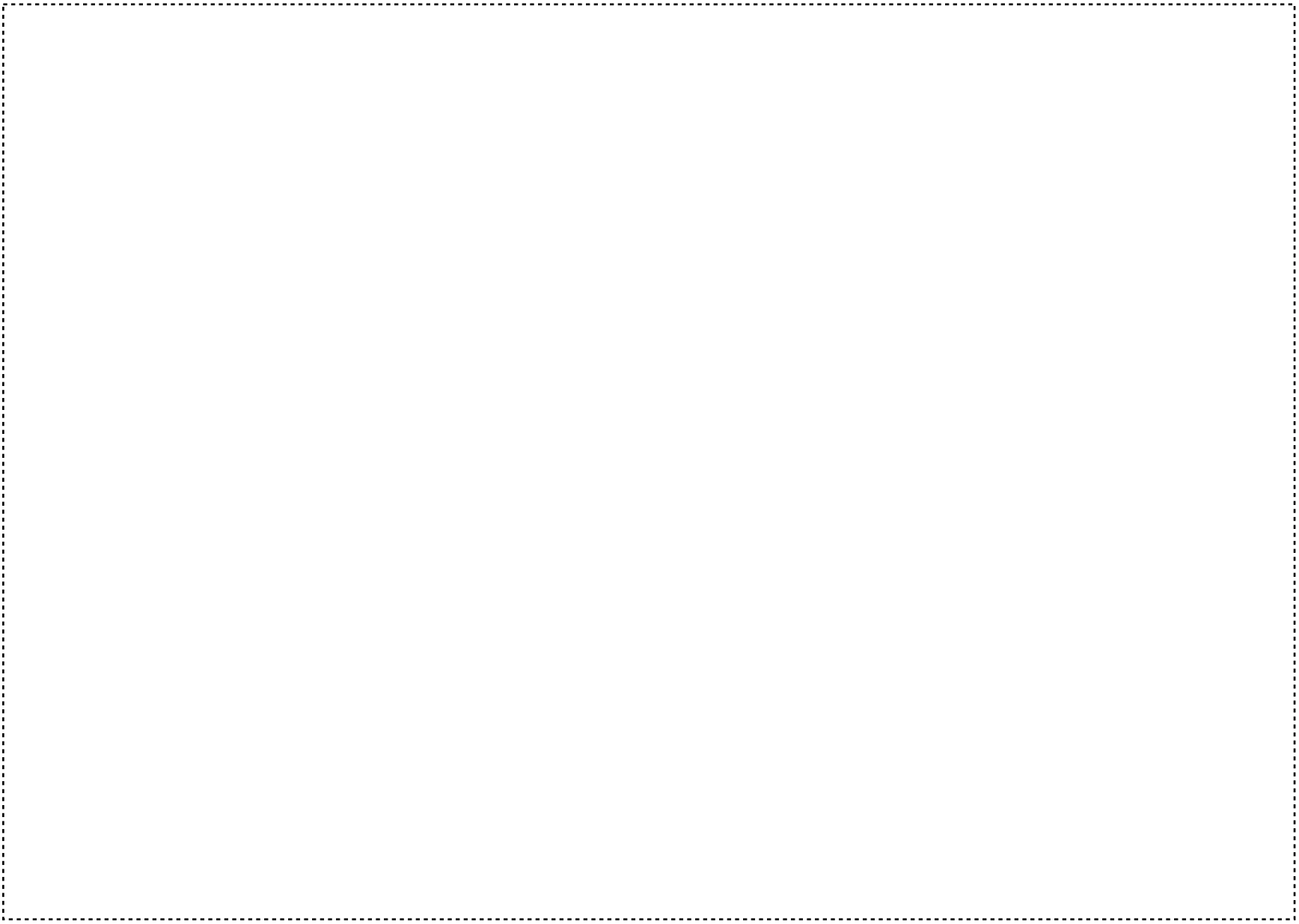


Sequence to sequence modeling









encoder network

descoorder network

bottleneck

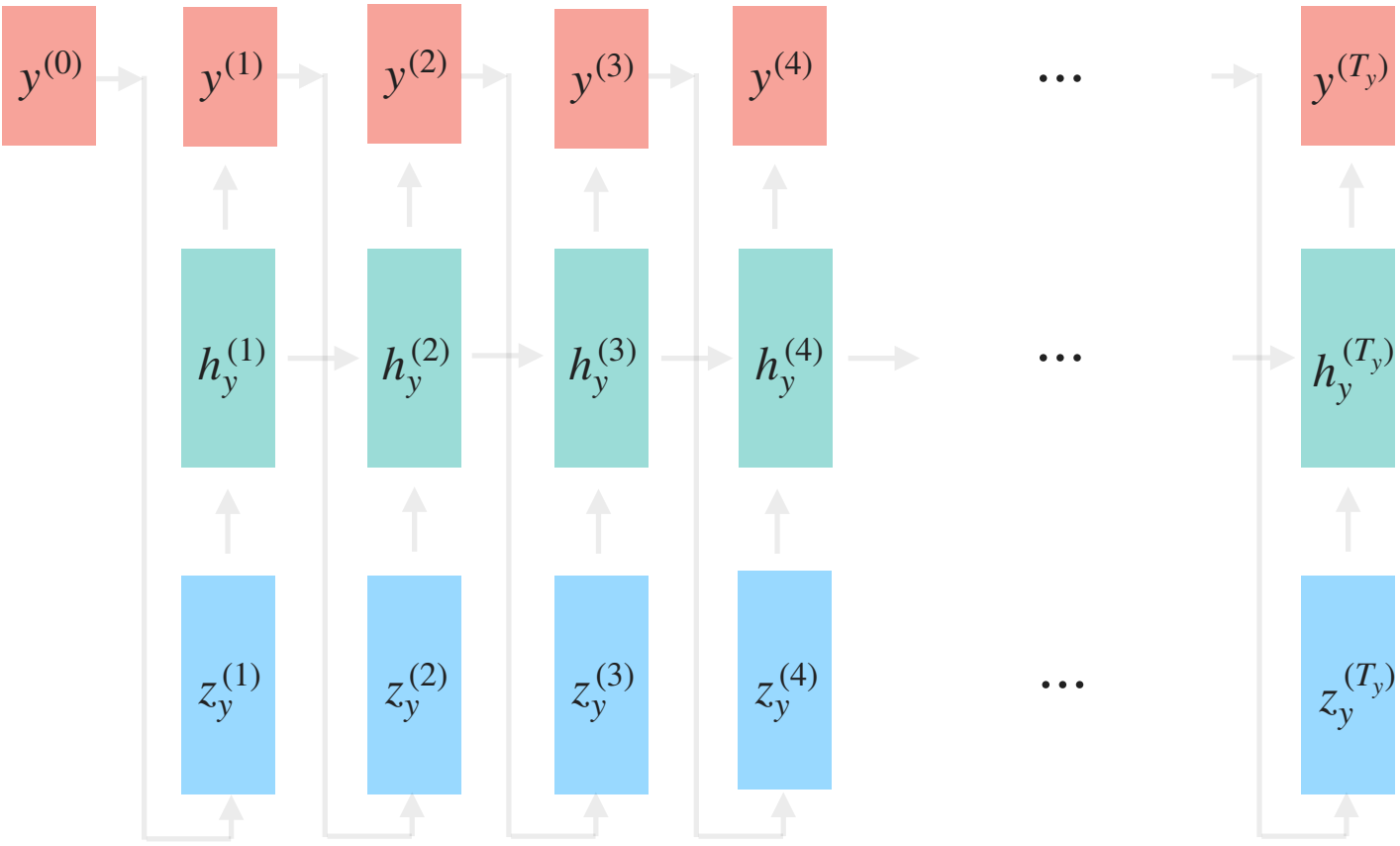
J'aimerais être en attente

Neural Machine Translation (NMT)



I love coffee in the morning





I love coffee in the morning when I wake up.



Neural text generation



prompt

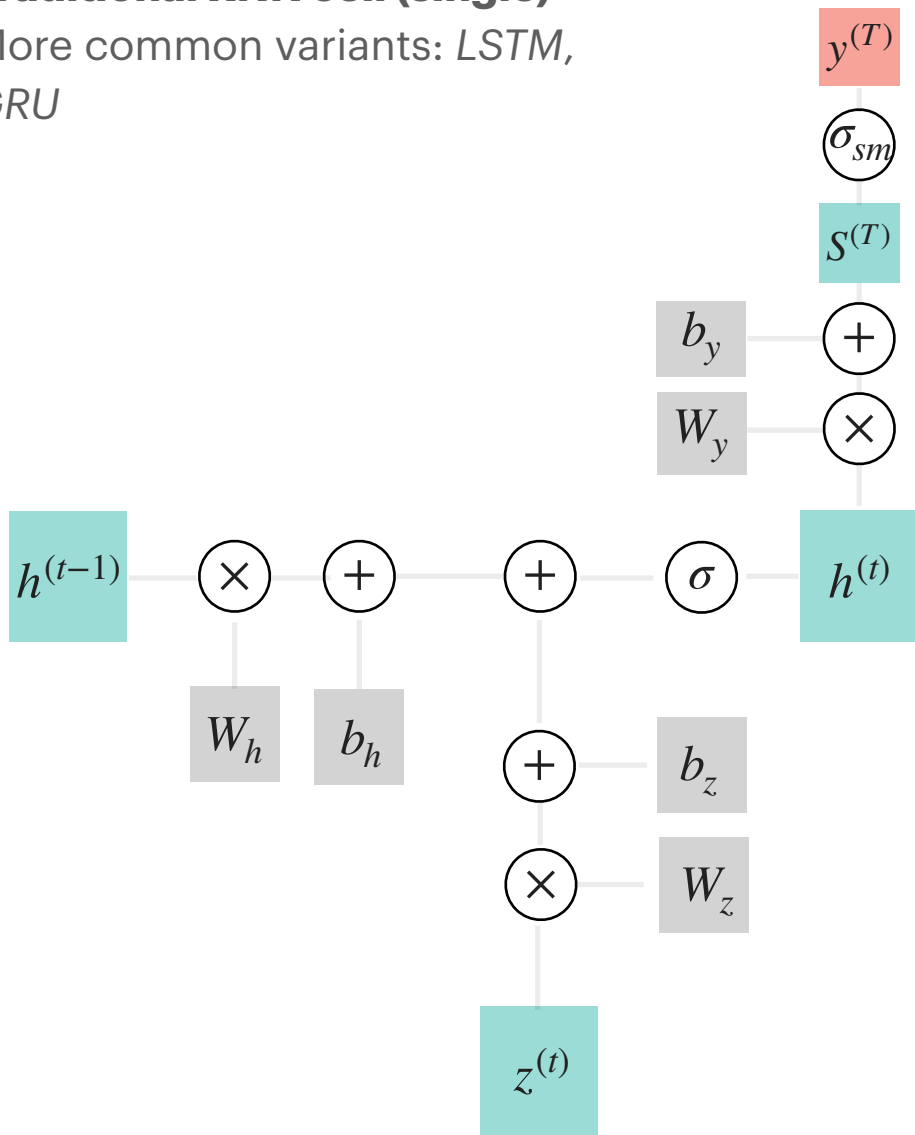
output

seq2seq was introduced by Sutskever et al., Sequence to Sequence Learning with Neural Networks (2014)

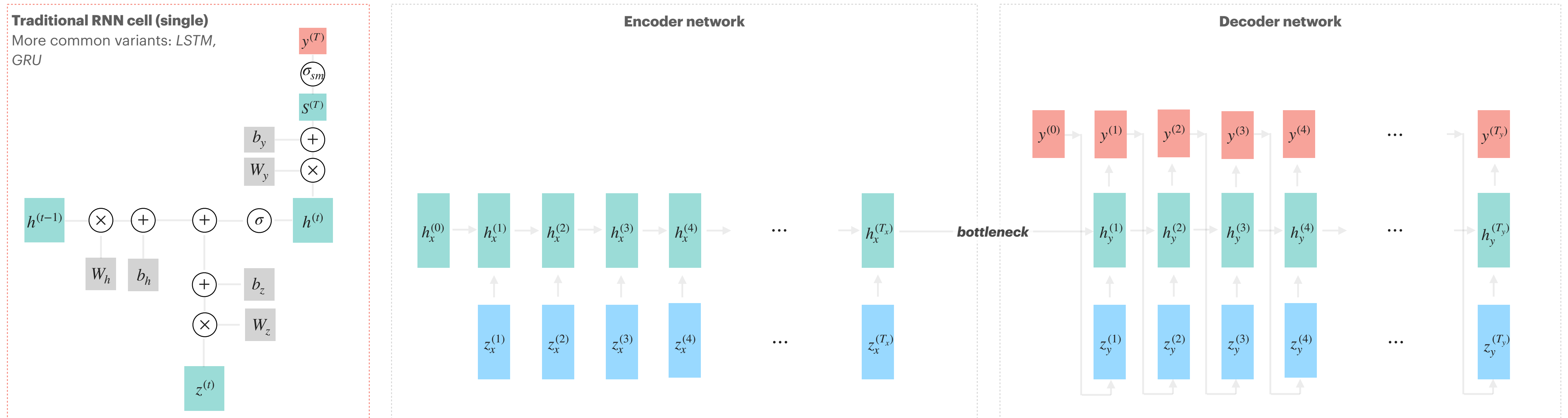


Traditional RNN cell (single)

More common variants: *LSTM*,
GRU



Sequence to sequence modeling



Neural Machine Translation (NMT)

J'aime le café le matin \longrightarrow I love coffee in the morning

Neural text generation

I love coffee in the morning **prompt** when I wake up. **output**

Attention based seq2seq models

