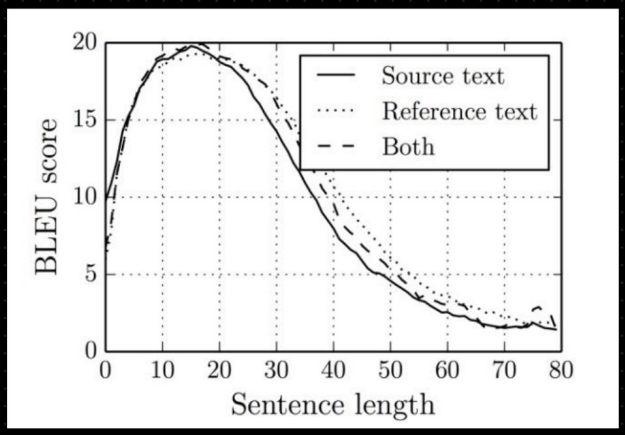
# Agenda:

① Attention Model Architecture
② Intuition from the research paper
③ How to Read research paper

# covered Topics

① RNN
② LSTM
③ GRU
④ Encoder and Decoder




In 2015 as a conference paper at ICLR

"Neural Machine Translation"

Authors: Yoshua Benjio
→ kyunghyun cho

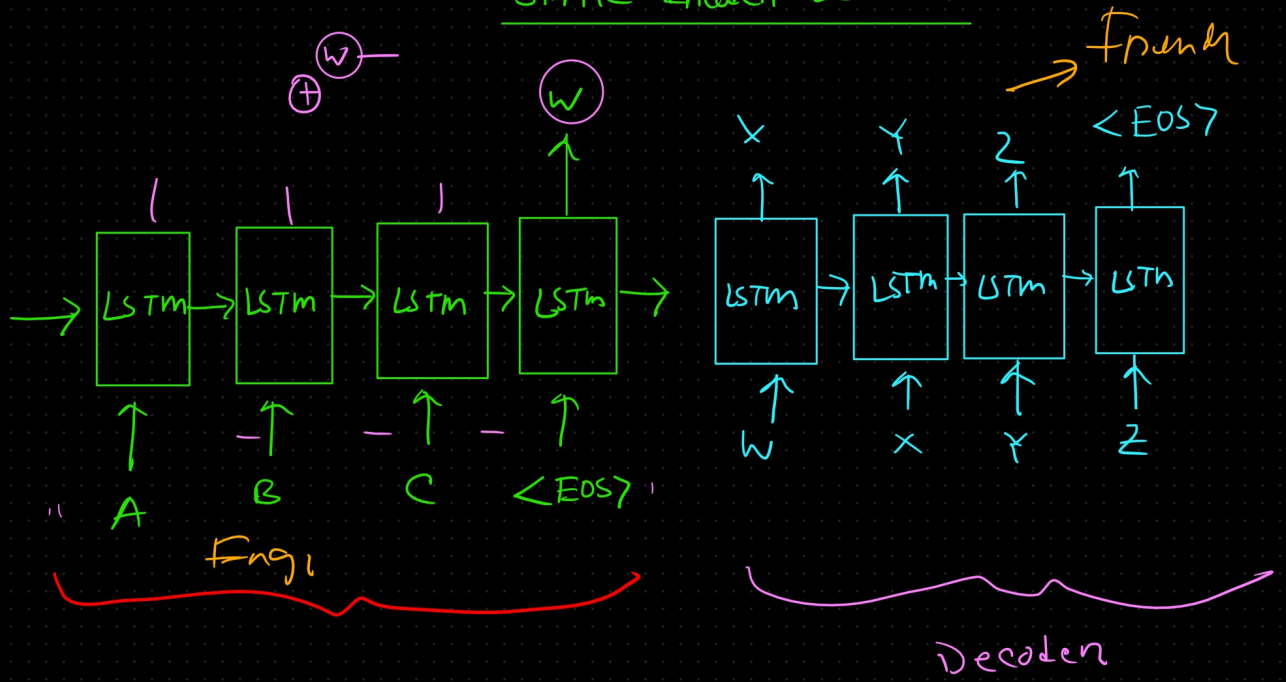
# Attention Mechanism — model

similar with your Encoder and Decoder

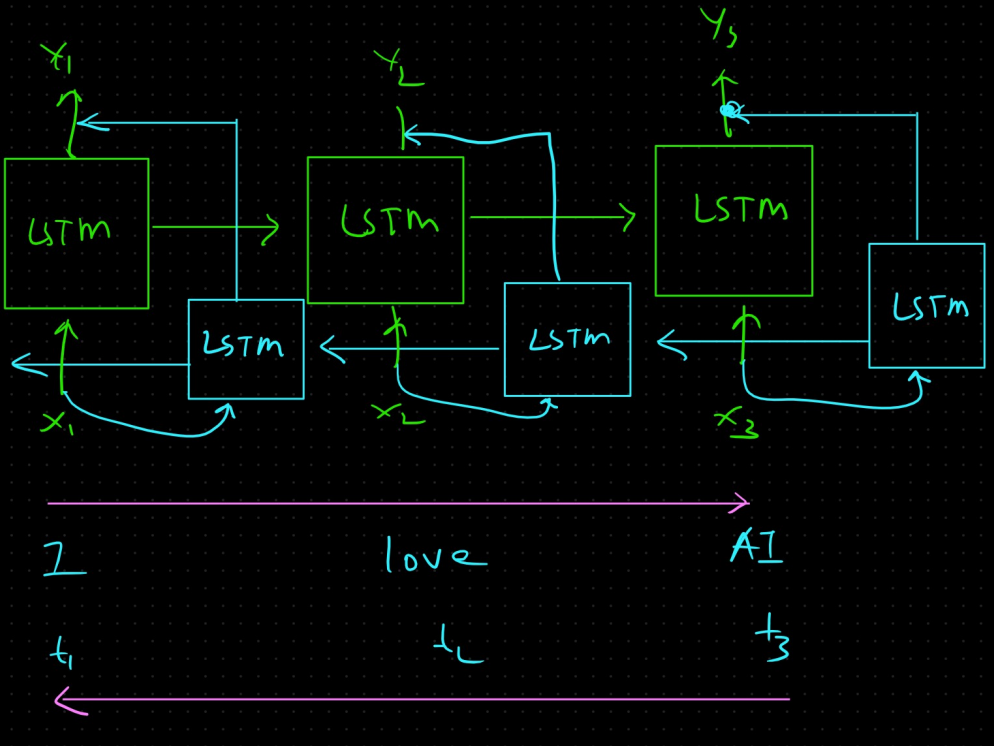
simple ED

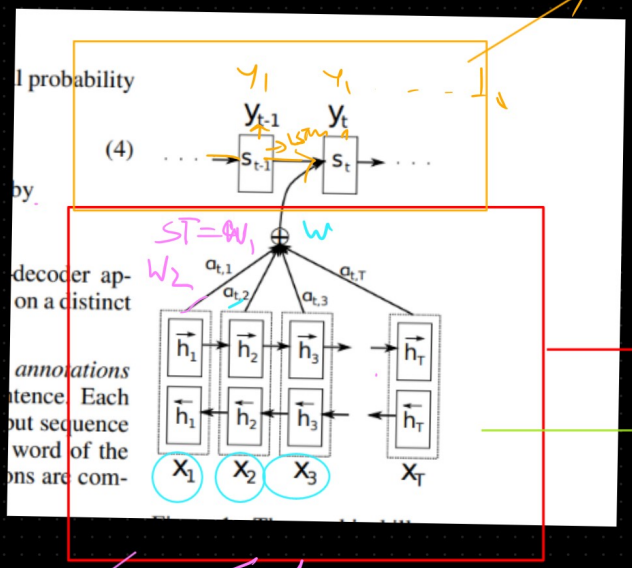
" My name is Bappy " - - - - - -

# Simple Encoder Decoder










$\Rightarrow 0$

$(\hat{Y} - Y)$

$= \text{LOSS} \rightarrow$ BP

$(a_1 - \text{weight})$

$ST = 3$

$\Rightarrow W_T$

$W_1 + W_2 + W_3 + W_4 \ldots$

— ANN

$a$ = weight

$W_1\ W_2$

$ST = W_1$

$W$

$W_2$

$(h_1 c_1 \times a_1 + c_2 \times a_2 + c_3 \times a_3 \ldots c_T \times a_T \Rightarrow (W)$ → context

0.15 0.88 0.23 0.72 0.99

This book is Awsome . Chapter 2 is

none good

$ST = 3$

My name is Buppy

1st

2n