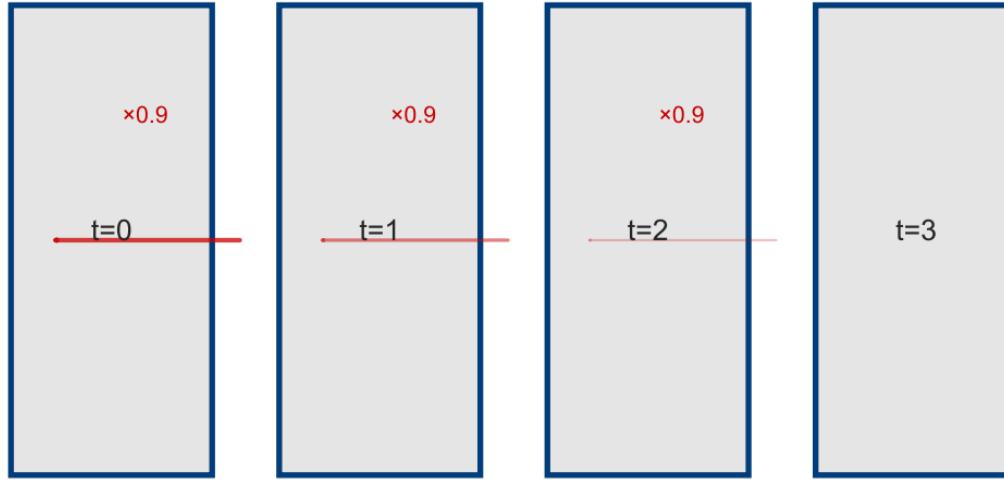
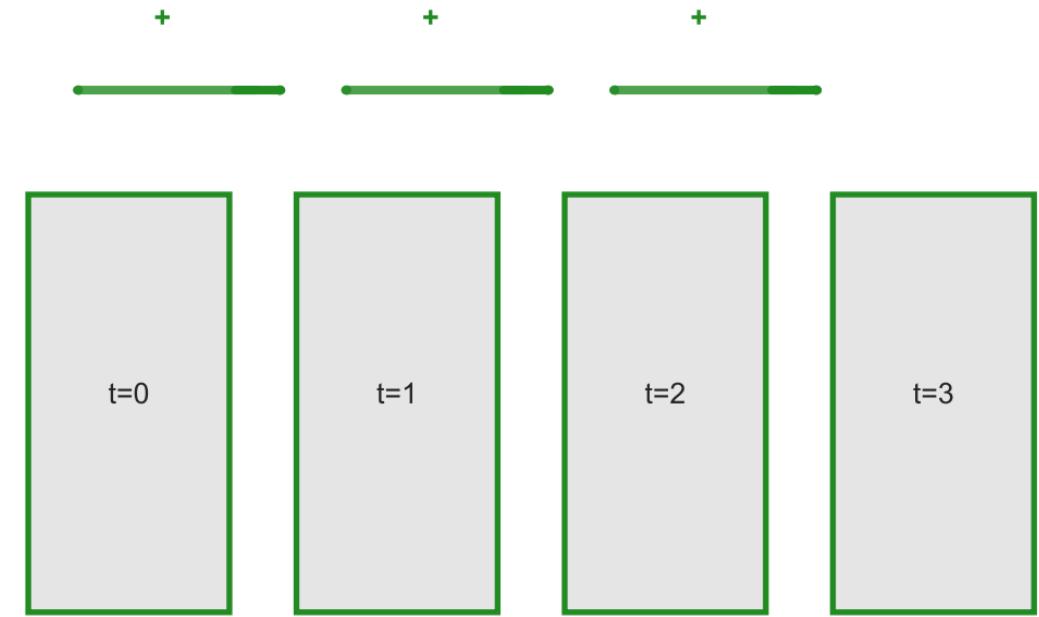


Vanilla RNN Gradient Flow



Gradient vanishes through multiplications

LSTM Gradient Flow



Gradient flows through cell state highway