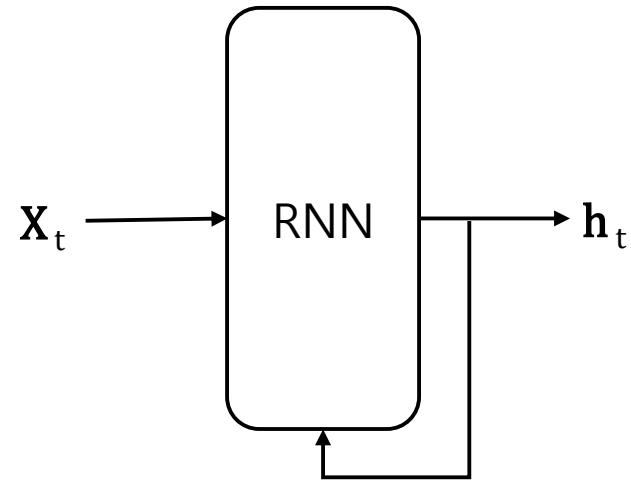
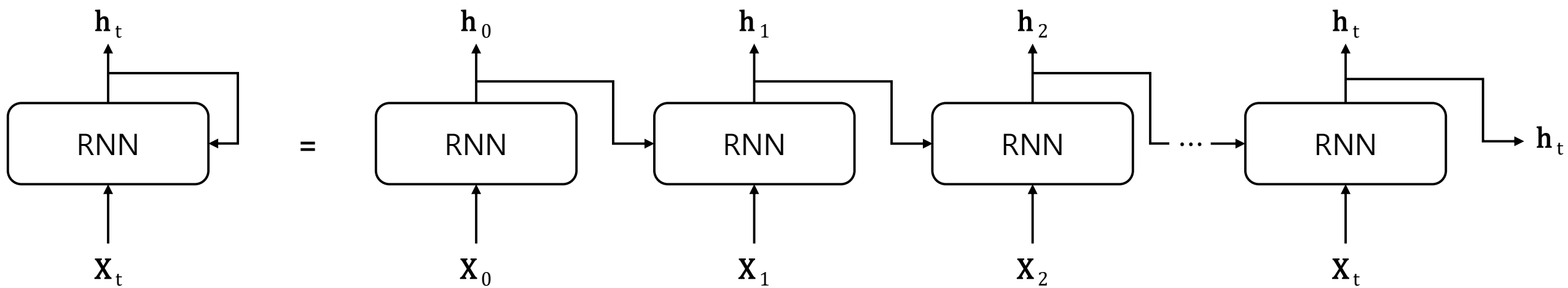


Recurrent Neural Network (RNN)

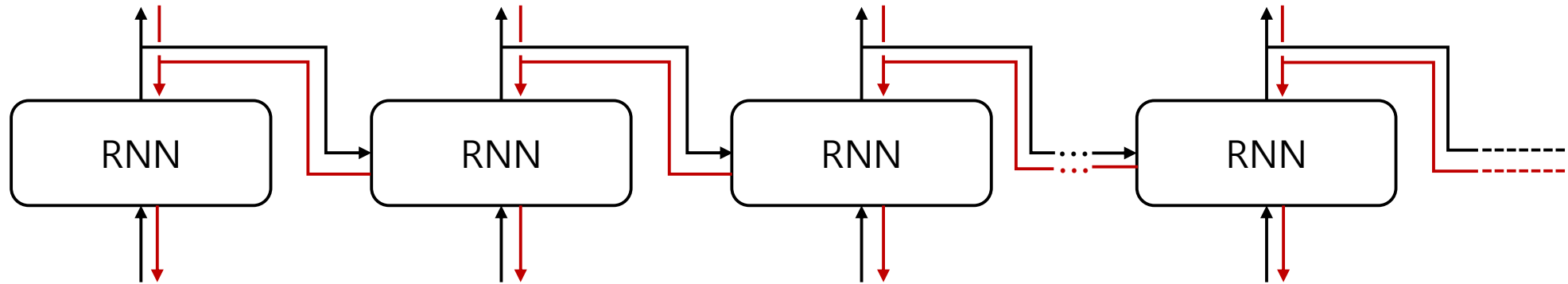


RNN 계층의 순환 구조 펼치기



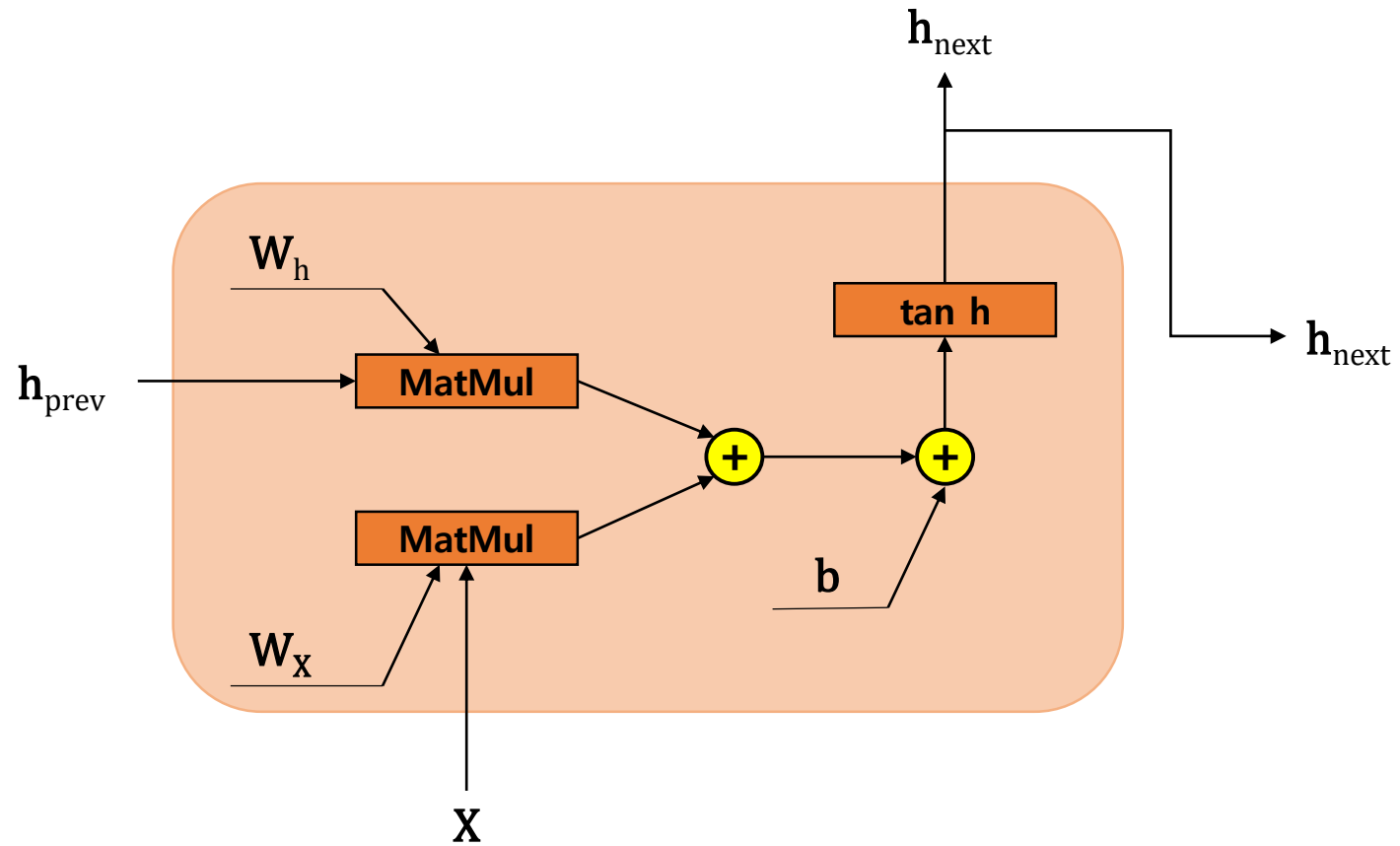
Recurrent Neural Network (RNN)

BPTT (Backpropagation Through Time)



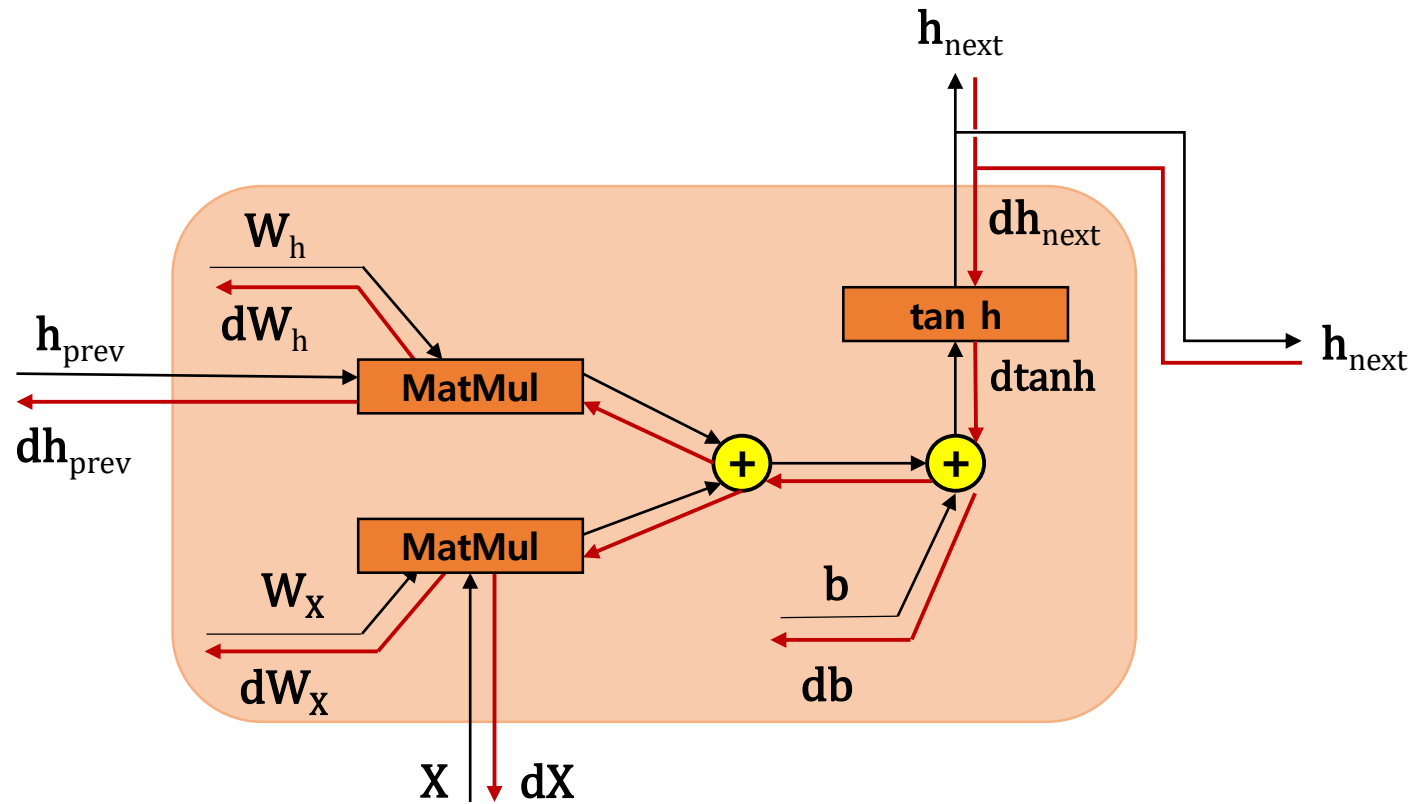
Recurrent Neural Network (RNN)

forward (순전파)



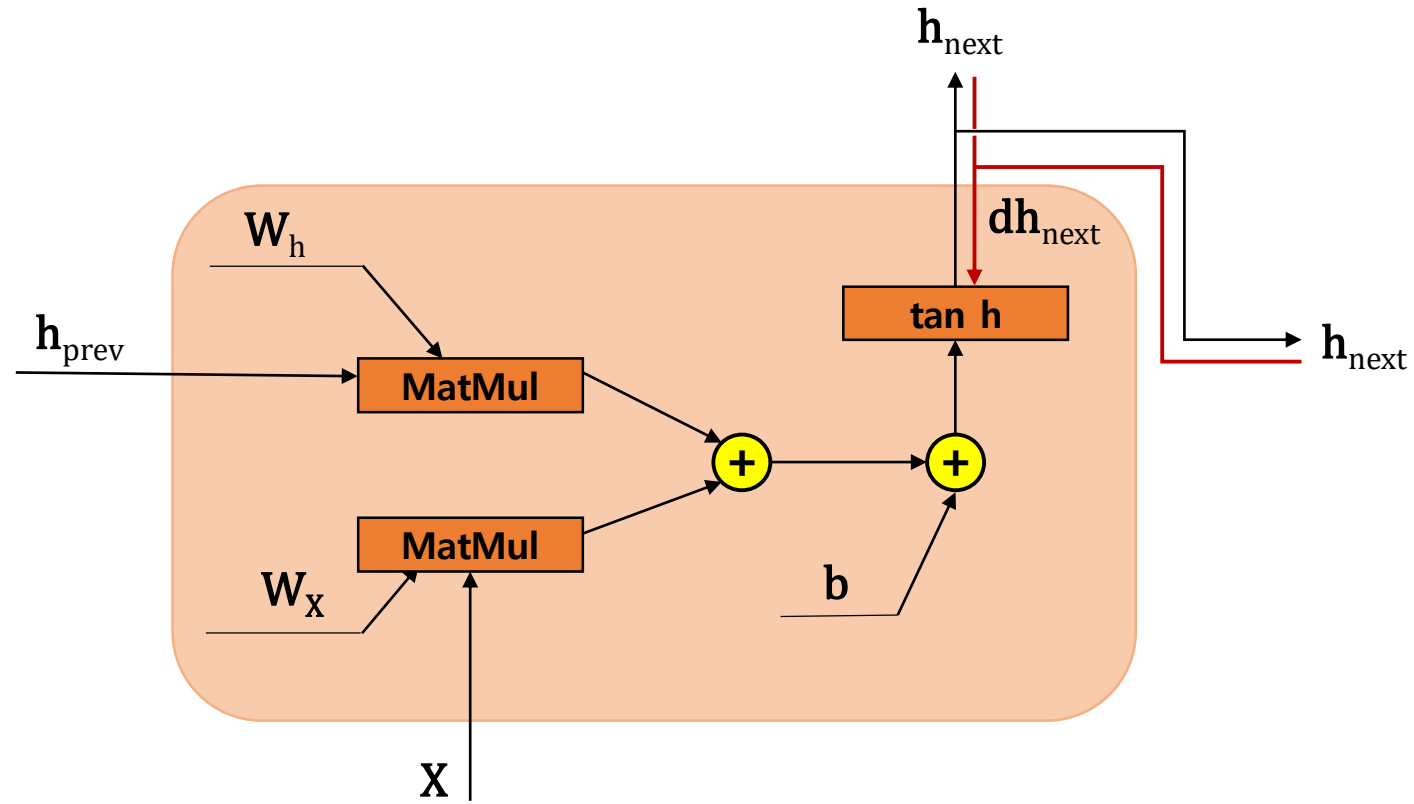
Recurrent Neural Network (RNN)

backward (역전파)



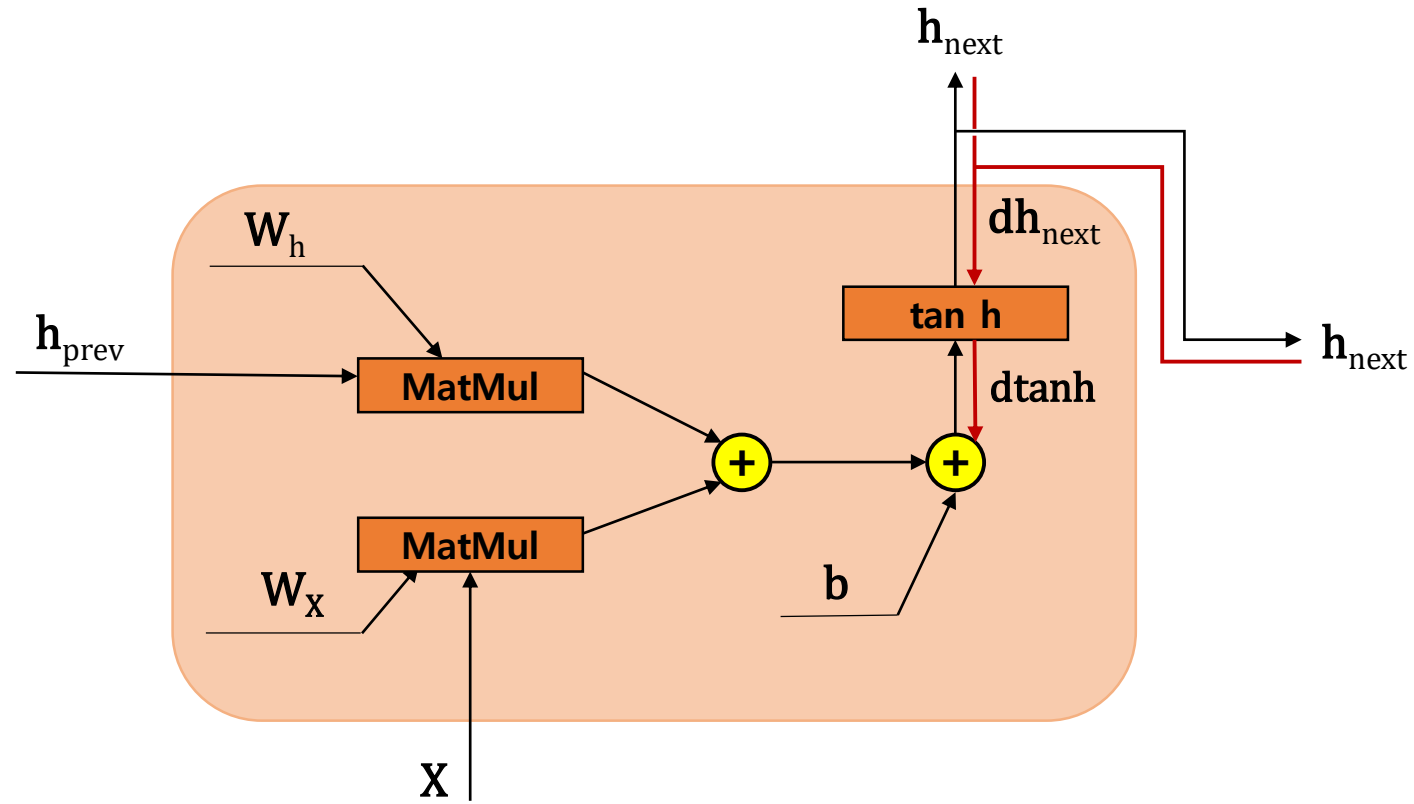
Recurrent Neural Network (RNN)

backward (역전파) - (1) dh_{next}



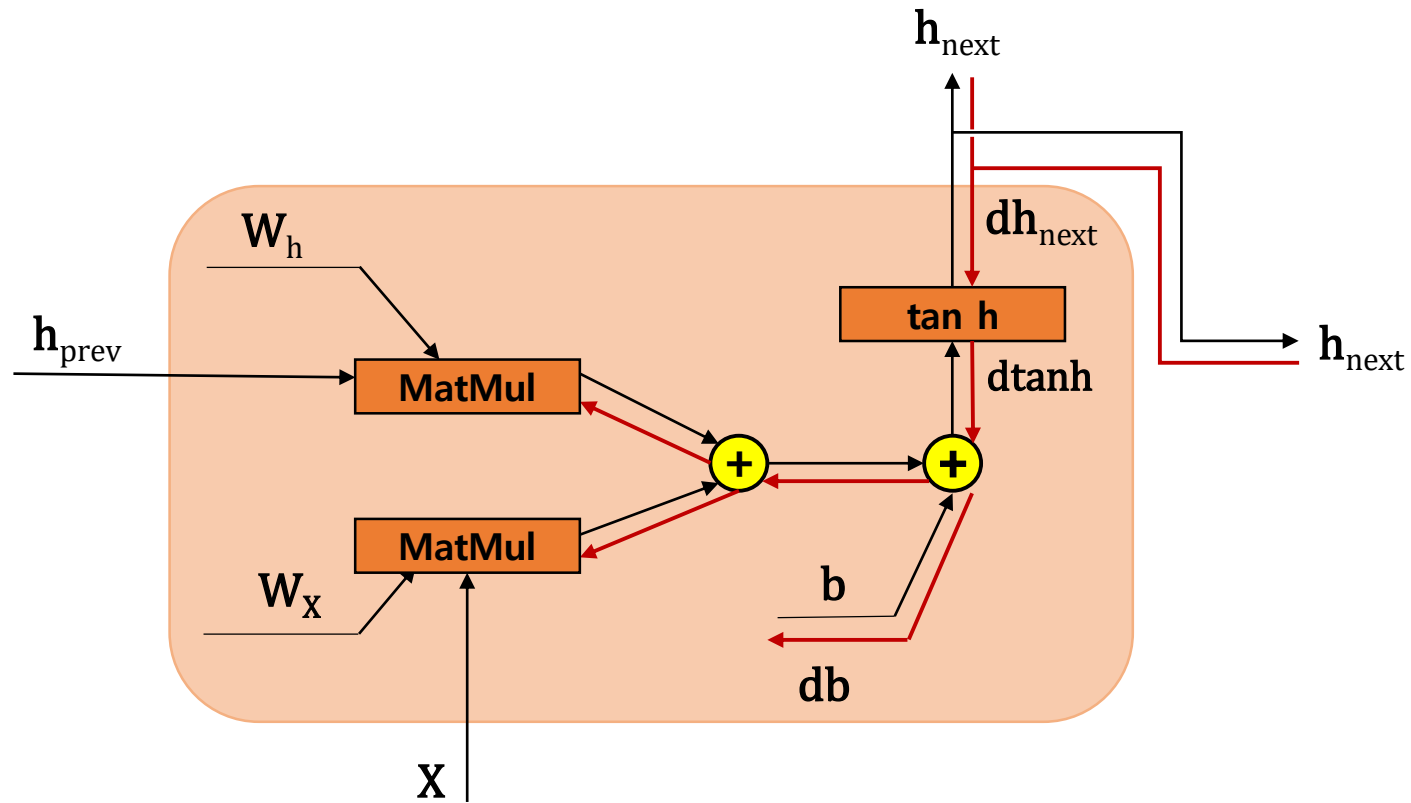
Recurrent Neural Network (RNN)

backward (역전파) - (2) dtanh



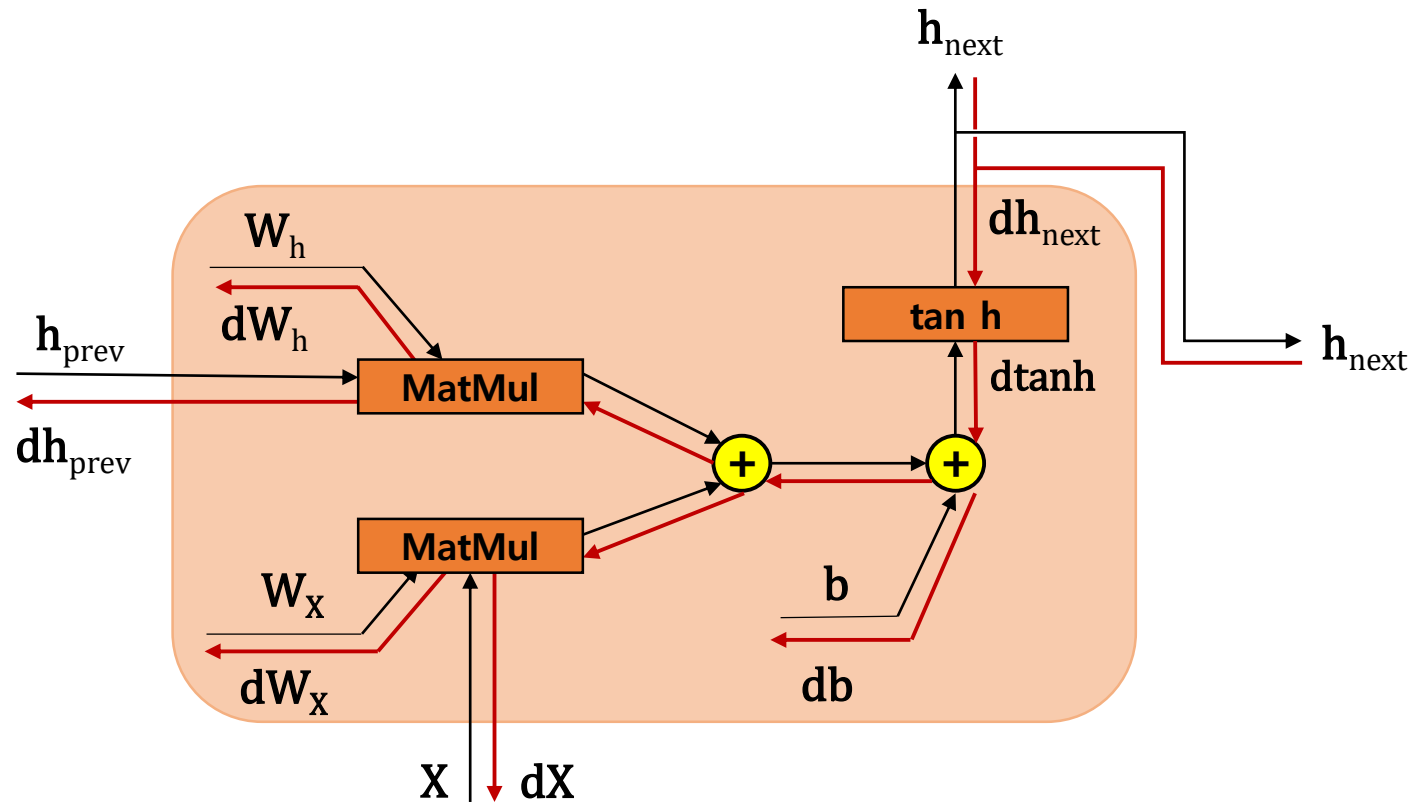
Recurrent Neural Network (RNN)

backward (역전파) - (3) 덧셈 노드



Recurrent Neural Network (RNN)

backward (역전파) - (4) 곱셈 노드



Long Short Term Memory (LSTM)

forward (순전파)

