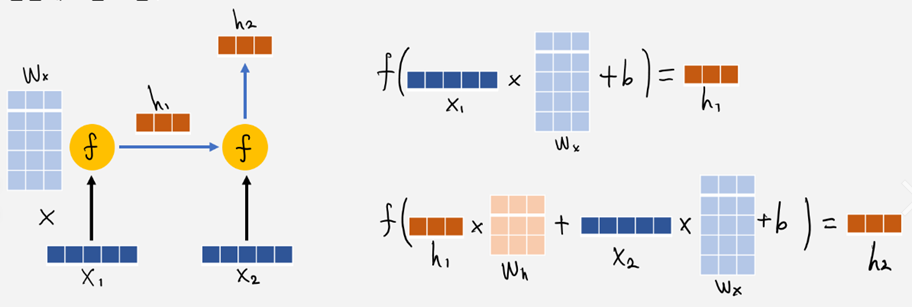
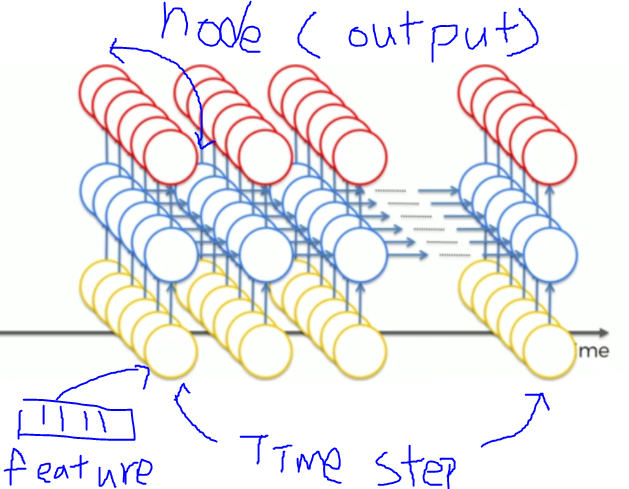
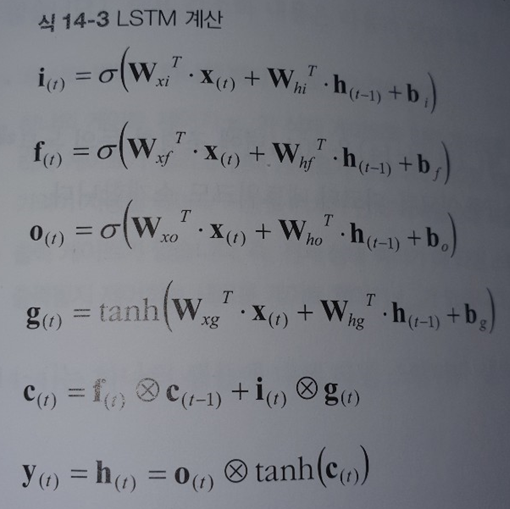
LSTM(3, input\_shape = (2,5) )



Param = 4 \* ( input\_dim + output\_dim + bias) \* output\_dim

= 4 \* (n+m+1) \* n





CNN

Conv2D(10, (3,3), input\_shape = (28,28,1))

Flatten()

Dense(10)

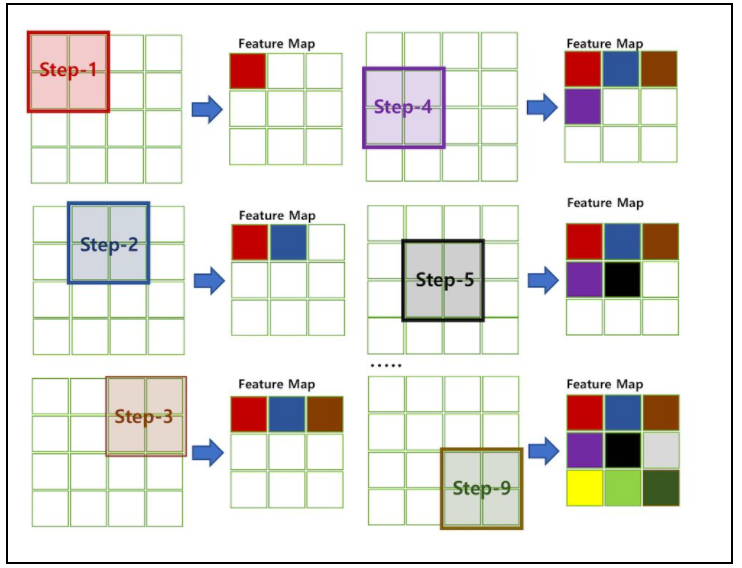
28x28 짜리를 3x3으로 1칸씩 이동하면서 계산

Pedding이 없어서 아웃풋은 26x26이고 이 필터가 10개

26x26x10 모양

Param = filter \* ( window \* input\_dim +1)

= 10 \* ( (3x3) \*1 +1 )



flatten에서는 2차원으로 축소 ( None, 26\*26\*10 )

LSTM은 3차원, Conv2D는 4차원, Dense는 2차원 input을 받는다!!!