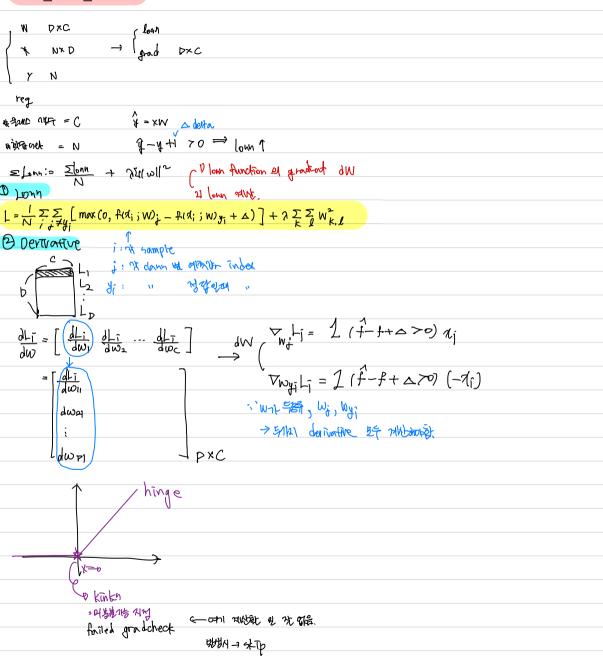
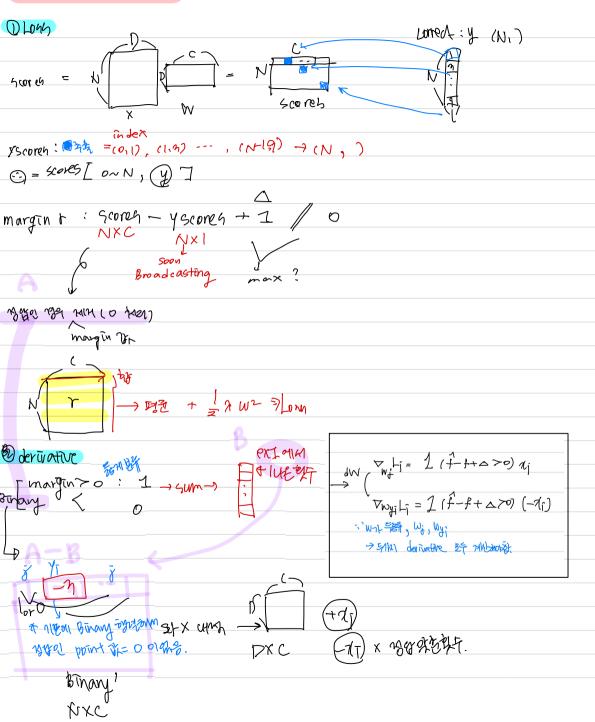
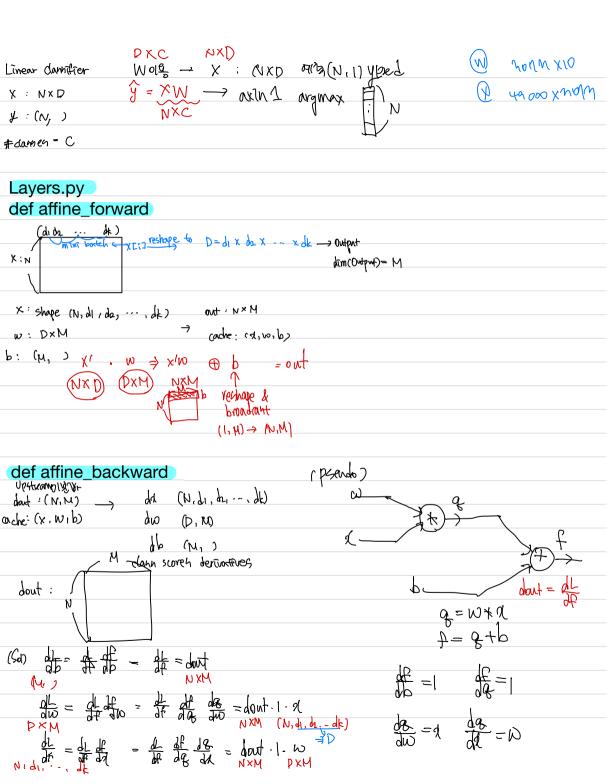
## cs231n ss1 svm

## svm\_loss\_naive

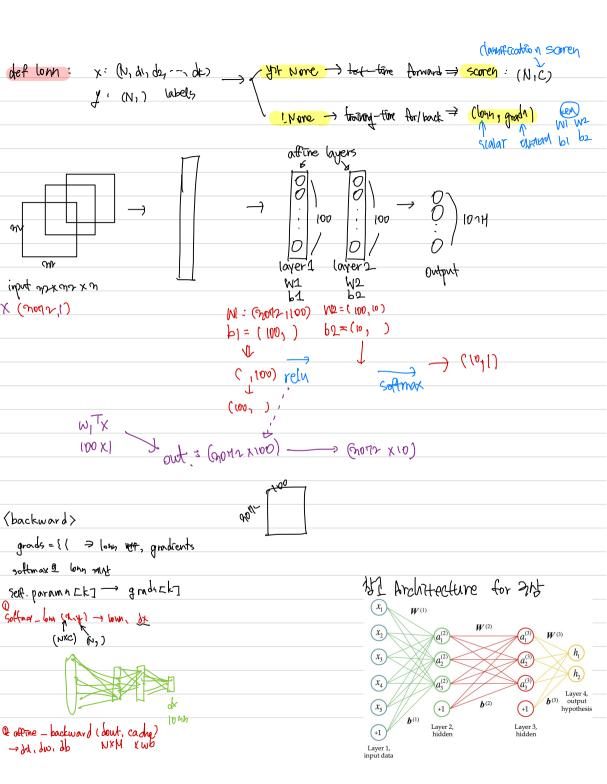


## svm\_loss\_vectorized





In Detail:
Q dout = M -> M
Q (dowt 7 21')
MXN NXD
@ Jontw7 -> NXD -> NX(Dxxx -> Tatrob @
OXM MXN
fc_net-py
Architecture:
input -> relu softmax output the taken = C
layer 1 2
Notice: 17 fully -connected
•
2) Optimizing the Solver of 2 FM
7) Self. partamis < [earnable parameter = 27784 [Heler]
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
m [100 100 100H]
mr layer 1 layer 2 Output
input mx m 100 K1 W1 W2
oreg, weight scale weight : not 46 0 es (miles)
They, worth scale weight : net 96 0 23 (miles sent p woms? ( The 96 0 23 (miles some brance = zero < miles 7
psanea = zeno < montant



danufication scoren The None -> to t-time forward -> scoren : (N,C) deflorn: x: (N, d1, d2, --, de) y' (N,) labels ! Hone -> troing-time for/back -> affine layers 100 into mexus xu X (200921)