Lab-06 Softmax Classification
$P(C(ass = i) = \frac{e^{i}}{\sum e^{i}}$
z = totch. Float Tensor(t1, 2, 3])
hypothesis= F. Softmax (Z, dim=0) 3th Bon dit = 2013
Choss Entropy: = 149 BEBEN GDFCH DKBN LIGHTEN
$H(P,Q) = -C_{X} \sim P(X)(109Q(10)) - 2\alpha ex^{1/4} = 0$
Cross Entropy Loss (Low-Level): [=] Zolog(3)
One-hot encoding: y _ one_hot = totch, zeto_(itechypolosis)
9_ one_hot. Scatter_ (1, y. unsqueeze (1),1)
(ast=(y_oneho+*-to-ch.log(hypothesis)) Sum(dim=1). mean ()
Sum(din=1). Mean ()
Low-level
(y_one_hof *-torch.log (F. Softmax(z, dim=1)))_ 5(m(din=1)_Mead)
Offigh-level Negative Log Litelihood
F. nll_Poss (+-loy_sofmax(z,dim=1),y)
$F.Cross_ehfropy(z,y)$
model=soffmax Classifich Model()