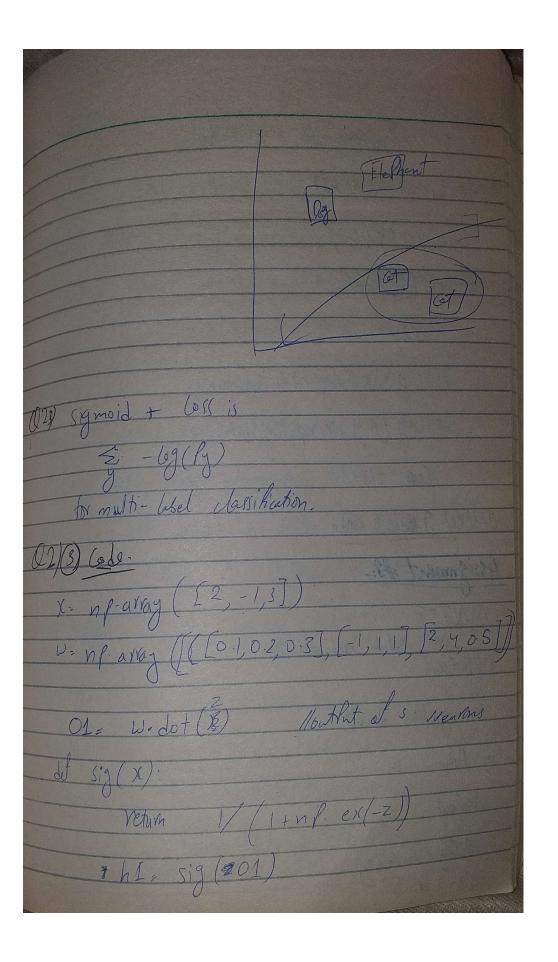
Monday 9.11.2021 week # 14 Cecture # 17 Paler Discussion ABB Linear classifier Non-linear classifier. $\omega_3(\omega_e(\omega_X)) = WX$ WX as a linear dassifier. 1 = Regularization & strength Hyperparameter la also prefers smaller weight & also profes diffused weights Oll Non-linear Mally function characteristics: a) Don't survivate outfut 6) casy to compute c) Al Zen centeres

0/9/ XOF:- 15 70 AB 10 AB
we have to the show what could be the weight in
This NN NI X2 A B XOR O O O O I I O O I O O I O O O O
XOR: AB + AB
Q20) Interfretations of rows in w:
O Generic Herimage of each class
doss from other classes.
3 weights tre or -ve.



W2 = nf array ((2, 0.5, 0.4)) 02. W. det(h1) h2: sig(02) SE CONTRACTOR OF THE SECOND SE 4 Elite £1= y * np. log(h2) t2. g (1-y) * np. log (1-h2) Com = t1+t2 04 08 g Blient Code. Assignment #3: MNIST.
No Batch normalization
Offinizer: 1st gradient decent Use Adam & dropout from swatch.