Deep Leaening Assignment - 2

W=2-0-2

22 W2 = 0 1

 $(7_3) = -0.6$ $(7_3) = -0.6$ $(7_2) = 0.5$ $(7_3) = -1.8$

 $\frac{1}{1+e^2} = \frac{1}{1+e^{w_1x_1-w_2x_2}}$

22 loss L (y, ý) = ||ý-y 1|2

 $x_1 = 0.7$ $x_2 = 1.2$ $x_3 = 1.1$ $x_4 = 2$

Y=0.5

S= x, w, + x, w, = (0.7)(-1.7)+(1.2)(0.1) = (-1.17) + (0.12) .: S, = -1.07 S= 2303 + 24W4 = (1-1)(-0.6)+(2)(-1.8) - (-0.66) + (-3.6) = -4.26 Now, hi= 1 h= 1 1+c (0.1)(0.1) h= (119) -(0.12) h1 = 1 hi= 1/3.915 h = 0.255 h = 0.255



