CO1865 0 Deep Learning Bodepropagation August 3rd, 2017 Hidden Unit (K) x(k) symuid WIH, b(r) & Activation - 9(0) (wlo) Trip UMIT by the thood less 43/0) i (yω,y)(i); Θ) network parameters Gradent of \$10) a le luss: Chain Rute ∇_{χ}^{Z}

Forward_Computation (X, Q) {

For k=1 to K

2(k) = W(k)Txi(k-1) +b(k)r) } (cth at Cuchen
2(k) = g(k) (2(k));

Activation function

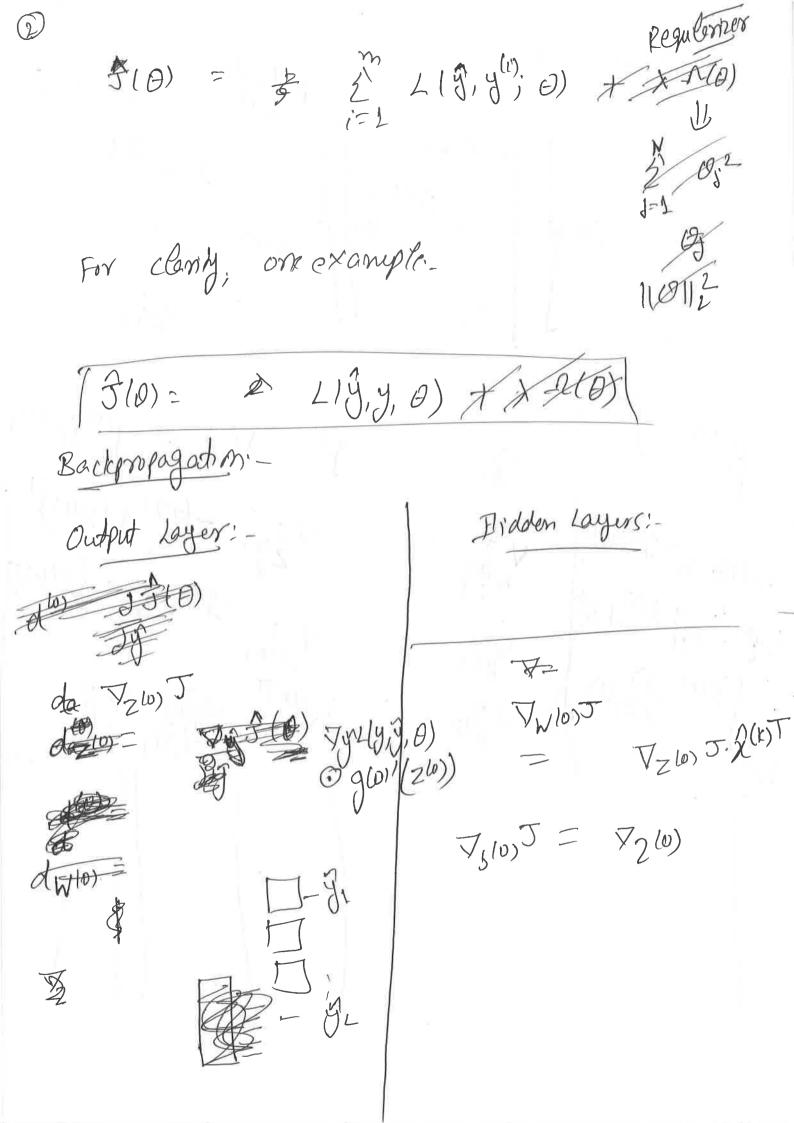
end for

2(0)= 2 W(0)Txi(k) +b(0)

z(0)= 3 W(0)Txi(k) +b(0)

y= g(0) (z(0));

y= g(0) (z(0));



Hidden Layers: -Activos Available:-姓() Z(K) XICA) of (1c) TAKE (k) (2 (le)) 75 0 g(k) (z (k)) 72(16) 1 (2 (r)) 2(x)= WT 2(x)+3(x) (k), 22,(k) X(K-1)