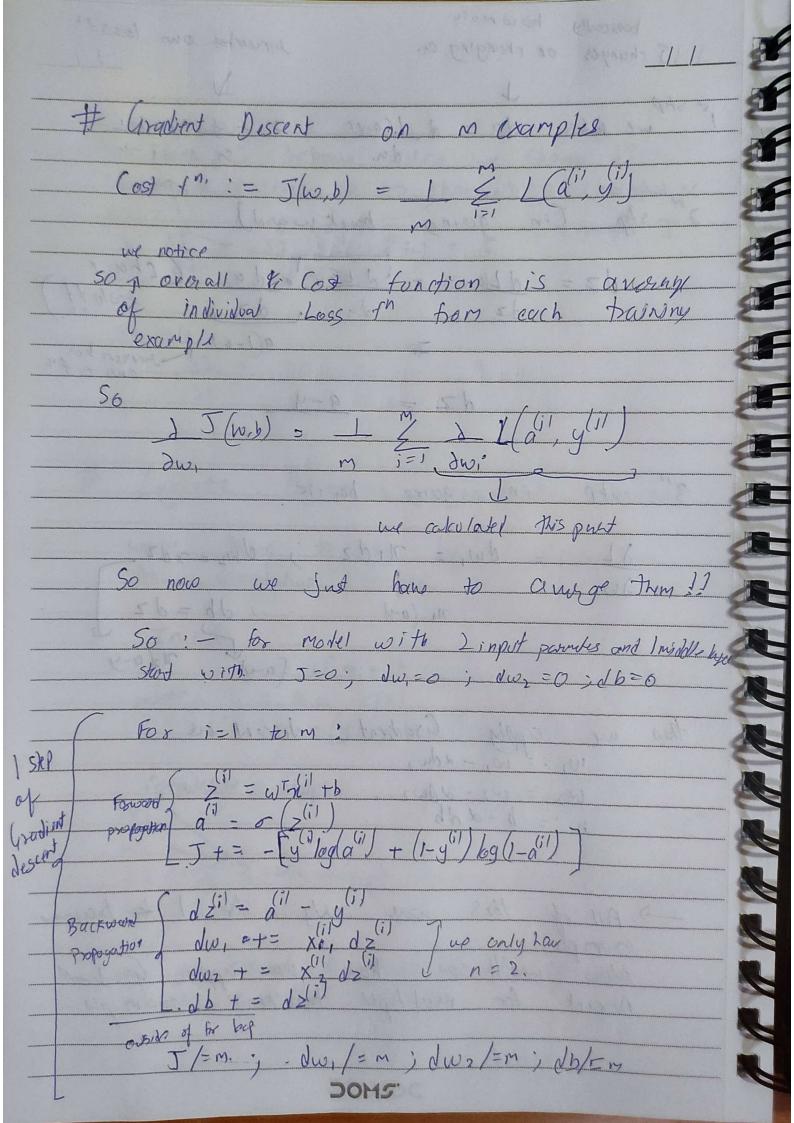


how moly booscally lumentes own loss 14 T changes on changing a. we sufer da = d L(qys = -y + 1-y (in going buck ward) d Llany) = d Lany oda (chain then me apply Gradient descent as w,:=w, - xdw, Wz = W2 - ddw2 p := b - d db -> All of this was only to Now we'll see how we apply Gredners Dexint for multiple their very example

DOM5



Now dws, dws, db suppresent the suspection Changes we need to make to sudoce (05) function $\omega_i = \omega_i - d d\omega_i$ W2: = W2 - d dio 2 b : = b _ ad b This completes on step of Gravient Jescent A Now we sprepeat this process outil we And Principal mining using aradient Descent Now, Guess what - This is very bad. this is computationally stup; d. In 15th of Gradient descent wy sunning O(n) & Tim Complexity Tand then we report

M feeting & updating n parameters) as affired descent n

no. of House to exact in mining algo's is considered a ked practice. So are. Need to find a different way > Vectorization