implementing heural network from scratch Inputs Weights Net orput Activation tunchon function 1 > output (X) (X2) (Xm) · Linear Model J(W,b) = WTx+b · Activation Function 3(z) = {1 . if z > 0 · Unit step punction · Approximation $\hat{y} = g(f(w,b)) = g(w(x+b))$ · Perception update rule. - For each training sample I: : W:= W + AW AW:= x. (4; -9;).x. a: learning rate in [0,1] · Update rule explanation * weights are pushed towards positive or negative target class in case of missclassification. 0