Nome = Marshit Vadou

Semulca= 2

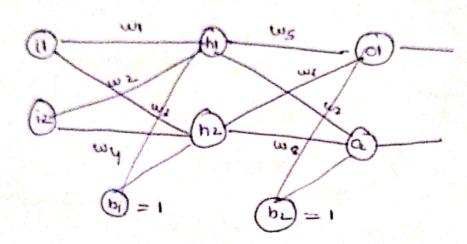
section = cse.

Roy No = 190913017

Subyd = AML

Date = may 28,2010

Assignment = 4



Phase-I Fred Forward Phase

Total and shiped for hi net $i_1 = w_1 + i_1 + w_2 i_2 + b_1 + 1$

out h = 1+e-wh

nut h2 = w3 * 1, + w412+ b1*1
and h. - 1

and h2 = 1 1+ e-net h2

not $o_1 = w_s + aut b_1 + w_6 + aut b_2 + 1$ $aut o_1 = \frac{1}{1 + e^{-nt}o_1}$

nut 02 = W7 out h, + w8 out h2 + b2+1 out 02 = 1 1 + e-noto2 E total = \(\frac{1}{2} \) (target - output)^2 E 01 = 1 (target 01 - auto)2 E 02 = 1 (target 02 - out 02)2 E total = E o1 + E o2 Pare III Wight a bras updation Total by appying chain rule Ws (new) = ws (old) - n(* & Etotal) [n = Learningate)
similarly similarly super you ws, wa and ws Updaing Wu DE totatal = Dtotal & Douth, & Douth, & Douth, m. (nm) = m. (old) - n DE total similarly the supert for wz, wz and wy I as durom posed cusi- $\frac{3}{9} \frac{(3.5)^{-1}}{(3.5)^{-1}} = \frac{3}{9} \frac{(3-0.5)^{-1}}{(3-0.5)^{-1}} = \frac{3}{9}$

