

elymas tempni Alth Rob X; >1 x2=1 t=-1 x=0.5 calculate not input & hidden units 21 = b, + Lyx, + x2W2, =0.3 + 1x0.08 + 1x0.5 20.55 22 = 62 + 2, V12 + x, W22 =0015 + 1x001 + 1x002 20.45 Calculate output 21, 23 by affying activation function given by

A(2 im) = 2 1, 2 im > 0

home,

1(2) 1 = 1(n-55) = 1 $2, = \int (2 \text{ in}) = \int (0.55) = 1$ $22 = \int (2 \text{ in}^2) = \int (0.45) = 1$ Affly me actuator finction and most input

gin, to calculate of g g

g Z J (Jim) = J (105)=1 Simo t + 1, apply awaight epidentes.

Also since 6= 1 weight are updated on

2. J 22 may have positive med impurs. Simo, here both med imputs 2 in 22 in a 2 in bien are both a bien are both a bien are

b; (now) = mig (ob) + 2(t-2,ng) x) =0.05 + 0.5(-1-0.55) x/ N12 20 001 +005 (-1-0.45)×1 => -0.625 b, (m) b, (old) + x(t-2in1) =0.3 +0.5 (-1-0.55) W21 = .0.2 toss(-1-0.55)& W22 = 0.2 + 0.5(-1-0.45) x1 1=12 0 0 525 mg b) (m) = 0015 to.5(-1-0.49) 2 -0.575 Jos 2nd cample, X = 1) =-1, E=1 21/2 2 b, + 2, U11 + 20 W21 2-0, 475 + 1 × (-0, 725) + (-1) (-0.57S) c - 0.625

2 ing = by + 31(w, +)(1/2) =-60575 + 1(-0-6)5)+(-1)(-0.520) -03675 $\frac{21}{22} = \frac{1}{2}(21) = \frac{1}{2}(-0.6)(5) = -1$ $\frac{21}{22} = \frac{1}{2}(22) = \frac{1}{2}(-0.6)(5) = -1$ $\frac{21}{22} = \frac{1}{2}(22) = \frac{1}{2}(-0.6)(5) = -1$ $\frac{21}{22} = \frac{1}{2}(21) = \frac{1}{2}(-0.6)(5) = -1$ $\frac{21}{22} = \frac{1}{2}(21) = \frac{1}{2}(-0.6)(5) = -1$ t=), only weight updator time t=) uneight are updated on 2, 222 enter mod inful is more to 6, es apply moigh Hodato on 2, MII (m)= MI (OU) + Q ((-2/m)) XI = -0=725 + 0=5 (1(-0.625)XI = 0=050575 $w_{21} = -0.675 + 0.55(1 - (-0.625))x-1$ = -1.539 $b_1(m) = 0.3 + 0.5(1 - (-0.625))$ = 0.34W12 (m)= W12 (old) = -0.625 w22 (m) = -0.525, b, (m) = -0.575

Data ocia Zin De Ding WI, Win -0.8 0.41 -1.39 -0.675 -1 -1 0.5 -1 -0.525 0.55 -1 -1 -6.5 7 0.0875 -1.39 -0-615 -0,975 -0,475 -0.069 1.5 1 1. 8065 -1 -1 1.312 1-3125 1 W12 W22 b2 -0.575 -0-575 -0.62 -0.575 -0.475 -0525 -0.626 0.1625 13.34 -1.3625 0.2125 0.994 0.34 -0.207 1.369 7.93