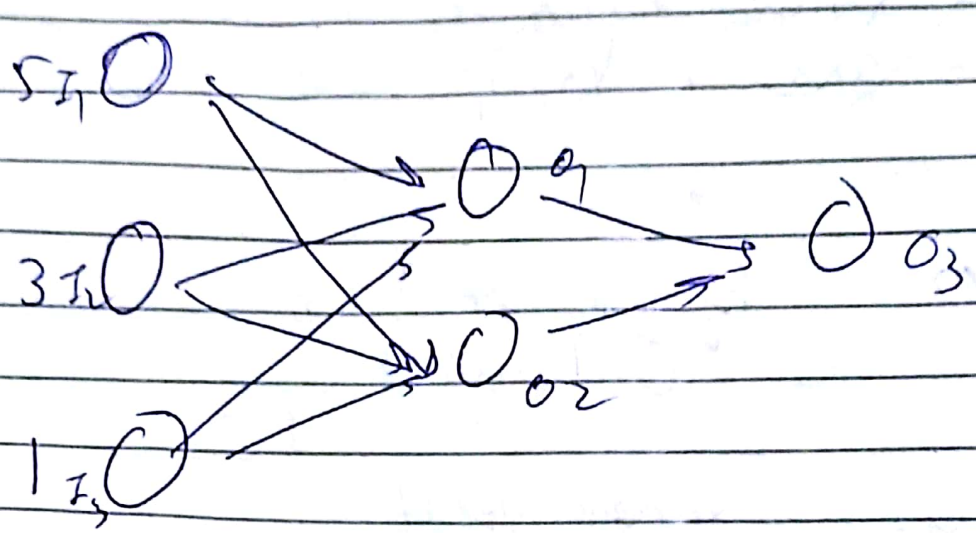

$W_{14} = -1$ $W_{15} = 2$ $W_{24} = 3$

$W_{25} = 0$ $W_{34} = 1$ $W_{35} = 6$

$B_1 = 1$ $B_2 = -2$ $W_{46} = 3$

$W_{56} = 4$ $B_3 = -6$ $T = 1$

---

net 1

$O_4 = (I_1 W_{14} + I_2 W_{24} + I_3 W_{34}) + B_1$

$= -5 + 9 + 1 - 2$

net 2 $= 3$

$O_5 = (I_1 W_{15} + I_2 W_{25} + I_3 W_{35}) + B_1$

$= 10 + 0 + 6 + 1$

$= 17$

$O_1 =$ Sigmoid (net 1)

$= 0.95257$

$O_2 =$ Sigmoid (net 2)

$= 0.9999$

$net_3 = O_1 w_{46} + O_2 w_{56} + B_3$

$= (0.9525)(3) + (0.9999)(4) - 6$

$= 0.8571$

$O_3 =$ Sigmoid (0.8571)

$= 0.7020$

$E = \frac{1}{2}(1 - 0.7020)^2$

$= 0.0444$