**Q1:**

**Z1in=[(1\*0.8)+(1\*0.2)] = 1 Z1=AF(1)= 1/1+e(-1) = 0.73**

**Z2in=[(1\*0.4)+(1\*0.9)] = 1.3 Z2=AF(1.3) = 1/1+e(-1.3) = 0.79**

**Z3in= [(1\*0.3)+(1\*0.5)] = 0.8 Z3=AF(0.8) = 1/1+e(-0.8) = 0.69**

**Yo=[(0.73\*0.3)+( 0.79\*0.5)+( 0.69\*0.9)]= 1.24**

**Y=AF(Yo)= 1/1+e(-1.24)= 0.78**

**Q2:**











