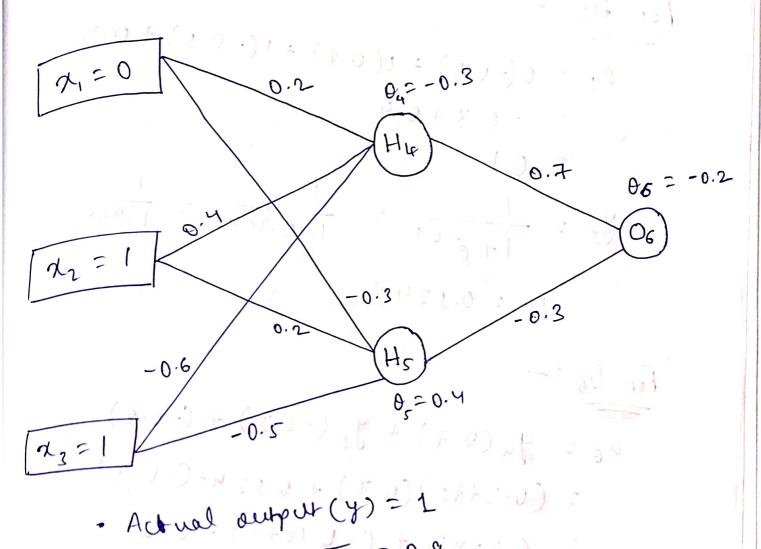
$$\rightarrow m = \frac{7}{10} = 0.7$$



$$\frac{\text{for Hu:}}{\text{au}} = 0(0.2) + 1(0.4) + 1(-0.6) + (-0.3)$$

$$= -0.2 - 0.3$$

$$= -0.5$$

$$= -0.5$$

$$\frac{1}{1+0.5} = \frac{1}{1+0.6487}$$

SIEU J

$$y_{4} = \frac{1}{2.6487} = 0.3775$$

For
$$Hs:-$$

$$0 = 0(-0.3) + 1(0.2) + 1(-0.5) + 0.4$$

$$= -0.3 + 0.4$$

$$= 0.1$$

$$\frac{20.1}{1+e^{-0.1}} = \frac{1}{1+0.9048} = \frac{1}{1.9048}$$

$$45 = 0.5249$$

$$a_{6} = y_{u}(0.7) + y_{r}(-0.3) + (-0.2)$$

$$= (0.377r)(0.7) + 0.52u_{q}(-0.3) - 0.$$

$$= 0.26u_{2} + (-0.157u) - 0.2$$

$$= -0.0532$$

$$y_6 = \frac{1}{1+e^{-\alpha_6}} = \frac{1}{1+1.0976} = \frac{1}{2.0976}$$

· For first iteration of backpropagation

$$S_{5} = A_{5}(1-A_{5})(0.4751)(-0.3)(0.1305)$$

$$= (0.5276)(0.4421)(-0.3)(0.1305)$$

$$S_{4} = 4(1-4u)(wu6.86)$$

= $(0.3775)(0.6225)(0.7)(0.1305)$

$$\Delta N_{NB} = M_{SN}O_{6} = (0.4)(0.02146)(0.4767)$$

$$N_{10} = N_{10} + 0.009206$$

= $0.7 + 0.009206$
= 0.709206

$$\Delta W_{56} = M_{50} = (0.9)(0.4767)(-0.00976)$$

$$= -0.004187$$

$$= -0.304197$$

$$= -0.3 - 0.604197$$

$$= -0.304197$$

```
DWIN = m Su x, = (0.9)(0)---
  A Win = Win + DWin
         = 0 + 0.2
    Win = 0.2
  AWer = nS, x, = (0.9)(0)
  DW15' = 0+(-0.3)
        = -0.3
  AW2n = mdy 22 = (0.9)(0.02146)(1)
             E.O.) = 0.0193
  & W24 = W24 + SW24 0580
         = 0.4 + (0.0193) (LF-1) pt = NE
         = 0.4193
  DW25 = 100 m 85 d2 = (0.9) (1)(-0.00976)
       = -0.00878
   W21 = W25 + DW25
                        20 28 m
        = -0.00878 +0.2
        = 0.19122
 AW34 = n Sy 23 = (0.9) (0.02146)(1)
                  = 0.019314
( W34 D-W34 + DW24
      = 0.019312 + (-0.1)
       2 - 0.5806
```

FLLXDO - T

$$AW_{37} = MS_{5}A_{3} = (0.9)(-0.00976)(1)$$

$$= -0.00876$$

$$W_{35}' = W_{35} + \Delta W_{35}$$

$$= -0.5 + (-0.00876)$$

$$= -0.50878$$

$$06 = 06 + \Delta 06$$
 $\Delta 06 = 06 = (0.1301)(-0.2)$
 $= -0.0261$
 $= -0.2 - 0.0261$
 $= -0.2261$

$$05' = 05 + 005$$

$$005' = 0.4 + 005$$

$$0.003907$$

$$0.003907$$

$$0.003907$$

$$\Delta \theta_{V} = \theta_{V} + \Delta \theta_{V}$$

$$\Delta \theta_{V} = \delta_{V} \theta_{V} = (-0.3)(0.02146)$$

$$= -0.006438$$

$$= -0.306438$$

updated formated pass:

$$7_{1}=0$$
 0.2
 0.2
 0.2
 0.2
 0.3064
 0.7092
 0.19122
 0.19122
 0.3960
 0.3087
 0.5087
 0.5087
 0.5087
 0.3960

$$\frac{\text{For Hu:}-}{\text{ay = 0 (0.2)} + 1(0.4193) + 1(-0.5806) - 0.806}$$

$$= 0.4193 - 0.5806 - 0.3064$$

$$= -0.4677$$

$$\frac{1}{1+e^{0.4677}} = \frac{1}{2.5963} = 0.3851$$

$$\frac{-r + 15:-}{a_{1}-20(-0.3)+1(0.1912-2)+1(-0.5087)+0.396}$$

$$= 0.1912-0.5087+0.3960$$

$$= 0.0785$$

$$\frac{1}{1+e^{-0.0785}} = \frac{1}{1.9245} = 0.5196$$

 $\begin{array}{l}
for 06 : \\
a_6 = y_4 \cdot w_{16} + y_5 \cdot w_{56} + a_{6}' \\
= (0.3) 51)(0.7092) + (0.5196)(-0.9072) \\
= 0.27311 + (-0.15806) - 0.2261 \\
= -0.11106 \\
2) 0_6 = \frac{1}{1 + e^{0.111}} = \frac{1}{1 + 1.11739} = \frac{1}{2.11731}$

Foror 2 1-0.47227 = 0.52773 [Ather one back phopagation] & These mights one not appropriate for this system.