$$\begin{array}{lll} \text{P((ance))} &= 0.008 & \text{P((Caver))} &= .962 \\ \text{P((B) (ance))} &= .98 & \text{P((B) (cover))} &= .02 \\ \text{P((T) - (ance))} &= .03 & \text{P((D) (-(ance))} &= .97 \\ \\ \text{P((B) (cover))} &\times \text{P((B) (cover))} &= .98^2 &= 8.9609 \\ \\ \text{P((B) - (aver))} &\times \text{P((B) - (aver))} &= .03^2 &= .0009 \\ \\ \text{O.9609} &\times .008 &+ .0007 &\times .992 &= 6.00856 \\ \end{array}$$

2) 
$$R(Rwyt = Y) = 0.5 = 1/2$$
  
 $R(Rwyt = N) = 0.5 = 1/2$   
 $R(Rwyt = N) = 0.5 = 1/2$   
 $R(Rwyt = N) = 1/3$   
 $R(Rwyt = N) = 1/2$ 

Pl temp=(00) [PlayT=Y] = 16

Pl them = high | PlayT=Y |= 16

Pl them = high | PlayT=Y |= 1/2

Pl Wind = Stary | PlayT=Y |= 1/3

B( Play = 4 | Ostlook= Sin, Temp = cool, hunding-hyn, wish: Strong) = 1/3 × 1/6 × 1/2 × 1/6 × /2 = 0.0023

B( Play = N | O + 100 K = 5 cm, Temp = cool, humidity = hym, wind: Strong) = 1/2 × 1/6 × 1/2 × 1/2 × 1/2 = 0.0139

0.0023 -0023+0.01387 - 0.1429 (Play T = yes | ovtrook= Sun Temp = roof howidity = hyph, and = stary)

0.0139

0.0139

0.0023+ 0.0139=

0.8571

lby T=tw (at look = sun, tup=

cuo), nowidig=night, and

= struct]

ble predict the anomer is no.

3) 
$$W_{0} = 0.1$$
  $W_{0} = 0.1$   $W_{0} = 0.1$   $W_{0} = 0.1$   $W_{0} = 0.3$ 

$$Wdc = 0.1$$

$$Wdn = 0.1$$

$$net_{c} = W_{ca} \cdot \alpha + w_{cb} \cdot b = 0.1 \times 1 + 0.1 \times 0 \times 8.3 = 0.2$$

$$\frac{1}{1 + e^{-6.2}} = 0.54983$$

netinpord: 0.1 x 0.549870.1= 0.154983

error: 
$$0.53866 \times (1-0.53869)^2 = 0.1146f$$
  
=  $0.54983 \times (1-0.5493) \times (.1 \times .11467) = 0.00283$ 

hidden conit error: 0,2 ×6,00283+0 = 0.00077

$$\Delta vd_{01} = 0.2 \times .11464 \times .54983 = 0.01261$$
  
 $\Delta vd_{01} = 0.2 \times .11464 = 0.02293$ 

$$\delta L = \delta \left( w_{10} + w_{00} \times a + w_{10} \times b \right) = \delta \left( \sigma. 10057 + 0 + \delta.1 \right) = \frac{1}{1 + e^{-1} \cdot 20057}$$

$$= 0.54796$$

$$= \frac{1}{1 + e^{-1} \cdot 12295 + 0.11261 \times 0.54998} = 0.54608 \times (1 - 0.54608)^{-2}$$

$$= 0.11257$$

 $0.54998 \times (1-0.54098) \times (.11261 \times .11252) = 0.003$   $0.2 \times 0.003 + 0.9 \times .00057 = 0.00051$   $0.2 \times .003 + 0 = .0006$   $0.2 \times .003 + 6.9 \times .00057 = 0.6011$   $0.2 \times .003 + 6.9 \times .00057 = 0.6011$   $0.2 \times 0.54 = 9 \times 0.54 = 9 \times 0.0161 = 0.02372$   $0.2 \times .11252 \times 0 + .9 \times .02293 = 0.02067$ 

 $WC_{a} = VC^{a} + \Delta WC^{a} = 0.10057 + 0.00051 = 0.10105$   $WC_{b} = 0.1 + 0.0006 = 0.1006$   $WC_{0} = 0.10057 + 0.00111 = 0.10168$   $VAC_{0} = 0.11261 + 0.02372 = 0.13633$  $VA_{0} = 0.12203 + 0.02067 = 0.1476$