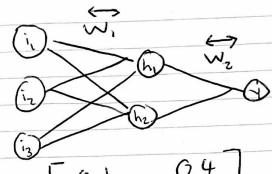
$$\frac{1}{2} = \begin{bmatrix} 2,3,4 \end{bmatrix}$$
 $\frac{1}{2} = \begin{bmatrix} 6,8,3 \end{bmatrix}$
 $\frac{1}{2} = 15$



$$\overrightarrow{\mathcal{Q}}_{2} = \begin{bmatrix} 2 \\ 3 \end{bmatrix}$$

$$\frac{1}{\sqrt{100}} \cdot \frac{1}{\sqrt{100}} \cdot \frac{1$$

$$\frac{\partial E}{\partial w} = \frac{\partial E}{\partial w} + \frac{\partial E}{\partial w} + \frac{\partial A}{\partial w} +$$

$$\frac{\partial V}{\partial \tilde{\omega}_{z}} = 1.76$$

$$\frac{1}{3} \frac{\partial F_{Total}}{\partial W_{2(1,1)}} = (-5.27)(1)(1.76)$$

$$= -9.28$$

$$\widetilde{W}_{2(1,1)} = \widetilde{W}_{2(1,1)} - \eta \int_{0}^{\infty} \frac{E_{Total}}{\partial \widetilde{W}_{2(1,1)}}$$

$$= 2 - G \cdot 1 * (-9, 28)$$

$$\frac{\partial E_{\text{total}}}{\partial W_{2}} = (-5.77)(1)(2.97)$$

$$= -15.65$$

$$W_{z_{(2,1)}} = 3 - 0.1 * (-15.65)$$

$$= 4.57$$

$$= 72.93$$

$$\widetilde{W}_{2} = \begin{bmatrix} 2.93 \\ 4.57 \end{bmatrix}$$

$$\frac{\partial E_{total}}{\partial W_{(11)}} = \frac{\partial E_{total}}{\partial out} \cdot \frac{\partial out}{\partial Y} \cdot \frac{\partial Y}{\partial out} \cdot \frac{\partial out}{\partial h_{1}} \cdot \frac{\partial h_{1}}{\partial W_{(11)}}$$

$$\frac{\partial E_{total}}{\partial out} = -5.27 \qquad \frac{\partial out}{\partial Y} = 1 \qquad \frac{\partial V}{\partial out} = 2$$

$$\frac{\partial out}{\partial h_{1}} = (out}{\partial h_{1}}) (1-out}{\partial h_{2}} = (0.88) (1-0.88) = 0.11$$

$$\frac{\partial E_{total}}{\partial W_{(11)}} = 7$$

$$\frac{\partial E_{total}}{\partial W_{(11)}} = (-5.27) (1) (2) (0.11) (2) = -2.37$$

$$\frac{\partial E_{total}}{\partial W_{(11)}} = (-5.27) (1) (2) (0.11) (3)$$

$$= -3.48$$

$$\frac{\partial E_{total}}{\partial W_{(21)}} = (-5.27) (1) (2) (0.11) (3)$$

$$\frac{\partial E_{total}}{\partial W_{(21)}} = (-5.27) (1) (2) (0.11) (4)$$

 $W_{1(3,1)} = 0.3 - 0.1 * (-4.64) = 0.76$

$$\frac{\partial E_{30491}}{\partial W_{1(1,2)}} = (-5.77)(1)(3)((0.99)(1-6.99))(2)$$

$$\frac{\partial F_{total}}{\partial \Omega_{t,Q,2}} = (-5.27)(1)(3)(0.0094)(3)$$

$$= -0.47$$

$$W_{(3,2)} = 0.6 - 0.1(-0.63)$$

$$\begin{array}{c|cccc}
\hline
W, &= & 0.33 & 0.43 \\
\hline
0.55 & 0.55 \\
0.76 & 0.66
\end{array}$$

$$0.33 \quad 0.43 \\ 0.55 \quad 0.55 \\ 0.76 \quad 0.66$$