$$f(g(x)) = \frac{1}{1+e^{-2}}$$

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$$f(x) = [0.8, 0.6, 0.4]$$

$$f(x) = [0.1, 0.3, -0.2]$$

 $net = 2 = g(x) = \left[0.8x(0.1) + (0.6)x(0.3) + (0.4)(-0.2) \right]$

q(x) = 0.18

$$f'(z) = \frac{1}{1 + e^{-0.18}}$$
 $\frac{1}{1 + e^{-0.18}}$
 $\frac{1}{1 + e^{-0.18}}$

Delta Rulue $\Delta w = \int_{-\infty}^{\infty} (t_i - 0_i) \times dt$ $\Delta b = \int_{-\infty}^{\infty} (t_i - 0_i)$ new weight - oldwatt DW; how bais = old bais + Ab;

$$W = \begin{bmatrix} 1 \\ -1 \\ 0 \\ 0 \end{bmatrix} \quad X_{1} = \begin{bmatrix} -2 \\ -2 \\ 0 \end{bmatrix} \quad X_{2} = \begin{bmatrix} 0 \\ 1.5 \\ -0.5 \\ -1 \end{bmatrix}$$

$$C = 0.1$$

$$d_{1} = -1$$

$$d_{2} = -1$$

$$d_{3} = 1$$

$$d_{3} = 1$$

$$d_{3} = 1$$

$$d_{3} = 1$$

$$d_{1} = -0.2 \begin{bmatrix} 1 \\ -2 \\ 0 \end{bmatrix} = \begin{bmatrix} 0 \\ 0.5 \\ -1 \end{bmatrix}$$

$$E = \begin{bmatrix} 1 \\ -2 \\ 0 \end{bmatrix} = \begin{bmatrix} 0 \\ 0.5 \\ -1 \end{bmatrix} = \begin{bmatrix} 0 \\ 0.5 \\ 0.5 \end{bmatrix} = \begin{bmatrix} 0$$

As
$$0, \neq d$$
, update weights
$$\Delta \omega_{1} = \begin{pmatrix} 0, & & & \\ &$$

For
$$N_3$$

$$Z = \begin{bmatrix} -1 \\ 0.5 \\ -1 \end{bmatrix} \times \begin{bmatrix} 0.8 \\ -0.6 \\ 0.7 \end{bmatrix}$$

$$Z = -2.1 \quad \Delta w = 0.1(H(-1))_{7}$$

$$f(z) = -1$$

$$\Delta d = 1$$

$$\Delta d = 1$$

$$\Delta d = 1$$

$$\Delta w = \begin{bmatrix} 0.6 \\ -0.4 \\ 0.5 \end{bmatrix}$$

New weight =
$$\begin{bmatrix} 0.6 \\ -0.4 \\ 0.5 \end{bmatrix}$$