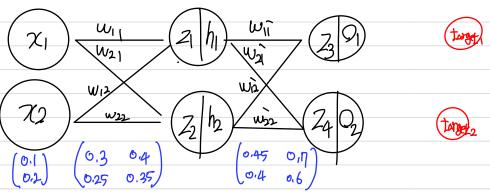


四对外,



$$Z_1 = \chi_1 w_{11} + \chi_2 w_{22} = 0.08$$

 $Z_2 = \chi_1 w_{21} + \chi_2 w_{22} = 0.1/$

$$E_0 = \frac{1}{2} (target_1 - C_1)^2 = 0.62 | 933$$

 $E_{01} = \frac{1}{2} (target_2 - C_2)^2 = 0.62 | 638$
 $E_{02} = E_0 + E_{02} = 0.02397$

Sigmoid
$$(21) = 0.5/998 = 1$$

Sigmoid $(22) = 0.52747 = 1$

Sigmoid (Z1) = 0.5/998 =
$$h_1$$
 $h_1 \cdot w_1 + h_2 \cdot w_2 = 0.4448 = 23
Sigmoid (Z2) = 0.52747 = $h_1 \cdot w_2 + h_2 \cdot w_2 = 0.686417 = Z_4$$

Sigmoid (23) = 0.60944 = 01 Sigmoid $(24) = 0.66384 = 0_2$

i) Wiz update

$$\frac{\int \text{Etotal}}{\int w_{i}} \stackrel{?}{=} 244. \stackrel{?}{=} \frac{\int \text{Etotal}}{\int c_{i}} \cdot \frac{\int c_{i}}{\int z_{i}} \cdot \frac{dz_{i}}{dw_{i}} = (0.20944)(0.23604)(0.5149)$$

$$\stackrel{?}{=} 0.02412 = \underbrace{\int \text{Etotal}}_{\int w_{i}}$$

i) Etotal = Eq. + Eq. (target_2 -
$$Q_2$$
)² + $\frac{1}{2}$ (target_2 - Q_2)²

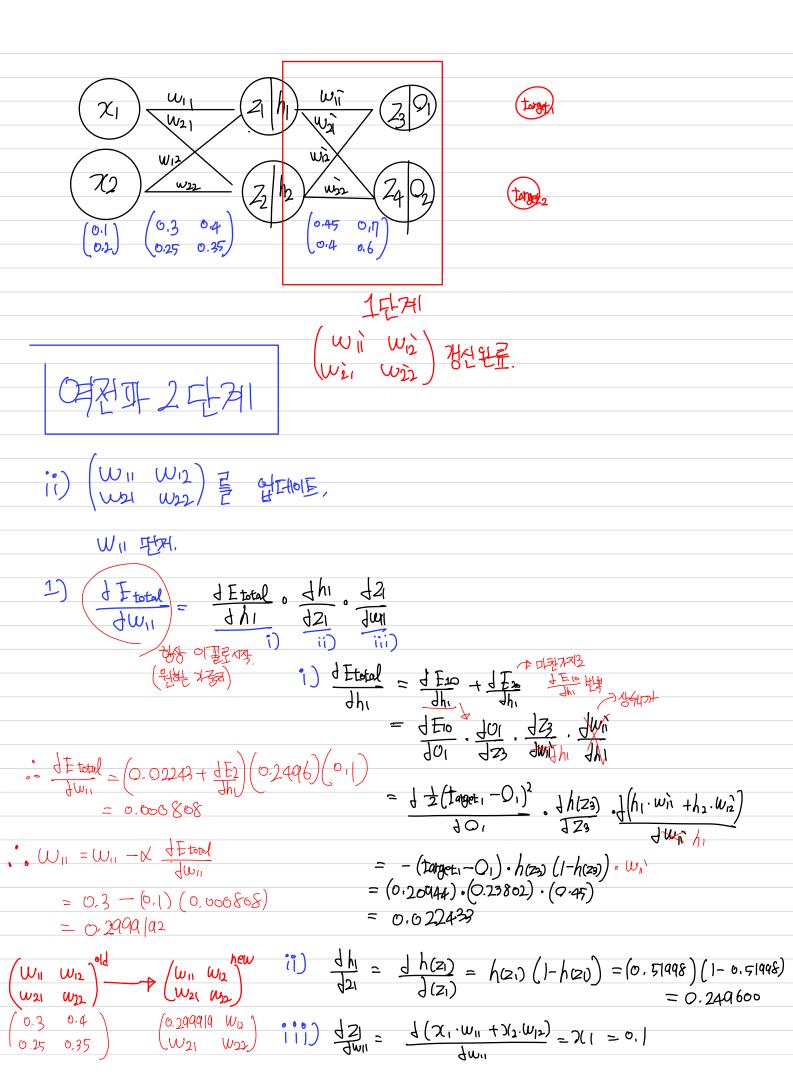
$$\frac{d \text{ Etotal}}{d \ell_1} = \frac{1}{2} \cdot 2 \left(\frac{d \log (\ell_1 - \ell_1)}{d \ell_1} \cdot (-1) \right)$$

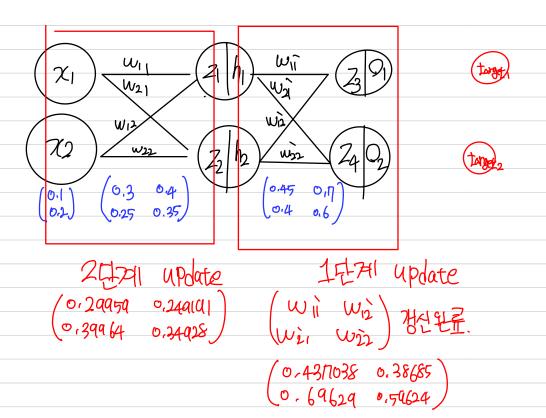
$$= - \left(0.4 - 0.60944 \right) = 0.20944$$

$$h(x) = \frac{1}{1} \frac{1}{1} \frac{h(x_3)}{h(x_3)} = h(x_3) \frac{1}{1} \frac{h(x_3)}{h(x_3)} = \frac{h(x_3)}{1} \frac{1}{1} \frac{h(x_3)}{h(x_3)} = \frac{h(x_3)}{1} \frac{1}{1} \frac{h(x_3)}{h(x_3)} = \frac{h(x_3)}{1} \frac{h(x_3)}{h(x_3)} = \frac$$

$$\frac{d^{23}}{dw_{1}} = h_{1} = 0.5|998$$

$$W_{1}' = W_{1}' - \chi', \frac{\sqrt{1 + 1000}}{\sqrt{1 + 1000}} = 0.45 - (0.1)(0.02592) = 0.447408$$





in'it weight

$$\begin{pmatrix}
0.3 & 0.4 \\
0.25 & 0.35
\end{pmatrix}
\begin{pmatrix}
\chi_1 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_1 \\
22
\end{pmatrix}$$

$$h \begin{pmatrix}
2^1 \\
2^2
\end{pmatrix} = h_1 \begin{pmatrix}
0.45 & 0.1 \\
0.4 & 0.6
\end{pmatrix}
\begin{pmatrix}
h_1 \\
h_2
\end{pmatrix} = \begin{pmatrix}
\chi_3 \\
24
\end{pmatrix}$$
Etotal = 0.023917|
$$h \begin{pmatrix}
\chi_1 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_2 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_1 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_1 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_2 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_1 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_2 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_1 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_1 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_2 \\
\chi_2
\end{pmatrix} = \begin{pmatrix}
\chi_1 \\$$

second weight

(0,29959 0,24019) (XI) = (Z1) 0,39964 0,34928) (XI) = (Z1)

$$h(Z_1) = h_1 \qquad (0.437038 \quad 0.38685) (h_1) = (Z_3) \\ h(Z_2) = h_2 \qquad (0.69629 \quad 0.59624) (h_2) = (Z_3) \\ (Z_4)$$

उत्पात गर्भाग-वर्धम्पर्धा

ा सुन

update

거의 이에 가깝게 변하고 아아시

$$h \begin{pmatrix} Z_3 \\ 2_4 \end{pmatrix} = 01$$

$$\frac{1}{2} (0_1 - \frac{1}{2})^2 = \frac{1}{2} = 0.02254$$

2 (02-t2) = E2 = 0.00|48| Etotal = 0.623236

