根事業計 =
$$lr = 0.5$$

 $W_5^+ = W_5 - lr \cdot \frac{\partial E_t}{\partial W_5} = 0.40 - 0.5 \times 0.0822 = 0.3589$
 $W_6^+ = 0.45 - 0.5 \times 0.0827 = 0.4081$
 $W_7^+ = 0.50 - 0.5 \times (-0.0226) = 0.5113$
 $W_8^+ = 0.55 - 0.5 \times (-0.0227) = 0.5614$

反何信義
$$2 : W_1 \sim W_{\phi}$$
 更新
$$\frac{\partial E_{+}}{\partial W_{1}} = \frac{\partial E_{+}}{\partial \Omega_{01}} \cdot \frac{\partial \Omega_{01}}{\partial Z_{01}} \cdot \frac{\partial Z_{01}}{\partial \Omega_{01}} \cdot \frac{\partial \Omega_{01}}{\partial Z_{01}} \cdot \frac{\partial Z_{01}}{\partial Z_{01}} \cdot \frac{\partial \Omega_{01}}{\partial Z_{01}} \cdot \frac{\partial Z_{01}}{\partial \Omega_{01}} \cdot \frac{\partial Z_{01}}{\partial Z_{01}} \cdot \frac{\partial Z_{01}}{\partial \Omega_{01}} \cdot \frac{\partial Z_{01}}{\partial Z_{01}} \cdot \frac{\partial Z_{01}}{\partial U_{1}} \cdot \frac{\partial Z_{$$

$$\frac{\partial E_{t}}{\partial W_{z}} = (0.01 - y_{1}) \times \frac{e^{-201}}{(1 + e^{-201})^{2}} \times W_{z} \times \frac{e^{-2h_{1}}}{(1 + e^{-2h_{1}})^{2}} \times X_{z}$$

$$+ (0.02 - y_{z}) \times \frac{e^{-202}}{(1 + e^{-202})^{2}} \times W_{7} \times \frac{e^{-2h_{1}}}{(1 + e^{-2h_{1}})^{2}} \times X_{2}$$

$$= (0.7514 - 0.01) \times \frac{e^{-1.1059}}{(1 + e^{-1.1059})^{2}} \times 0.4 \times \frac{e^{-0.3775}}{(1 + e^{-0.3775})^{2}} \times 0.10$$

$$+ (0.7729 - 0.89) \times \frac{e^{-1.12249}}{(1 + e^{-1.2249})^{2}} \times 0.5 \times \frac{e^{-0.3775}}{(1 + e^{-0.3775})^{2}} \times 0.10$$

$$\frac{\partial Et}{\partial W_3} = (0.7514 - 0.01) \times \frac{e^{-1.1059}}{(1 + e^{-1.1059})^2} \times 0.45 \times \frac{e^{-0.3955}}{(1 + e^{-0.3955})^2} \times 0.05 \\
+ (0.7729 - 0.99) \times \frac{e^{-1.12249}}{(1 + e^{-1.12249})^2} \times 0.55 \times \frac{e^{-0.3955}}{(1 + e^{-0.3955})^2} \times 0.05$$

$$= 0.000750 - 0.000752 = 0.000498$$

$$\frac{\partial E_t}{\partial W_{\phi}} = \frac{\left(0.7514 - 0.01\right) \times \frac{e^{-1.059}}{\left(1 + e^{-1.1059}\right)^2} \times 0.45}{\left(1 + e^{-0.395}\right)^2} \times 0.10}{\left(1 + e^{-0.395}\right)^2} \times 0.10$$

$$= 0.001500 - 0.000504 = 0.000996$$

根重更新
$$br = 0.5$$

 $W_1 + = 0.15 - 0.5 \times 0.000 439 = 0.14978$
 $W_2 + = 0.20 - 0.5 \times 0.000 877 = 0.19956$

$$W_3^{\dagger} = 0.75 - 0.5 \times 0.000698 = 0.24975$$

 $W_4^{\dagger} = 0.30 - 0.5 \times 0.000698$

$$W_{4}^{\dagger} = 0.30 - 0.5 \times 0.000996 = 0.29950$$

$$Z_{m}^{+} = w_{1}^{+} + \chi_{1}^{0} + w_{2}^{+} + \chi_{2}^{0} + b_{1}^{0} = 0.37745$$

$$a_{m}^{\dagger} = \frac{1}{1 + e^{-0.27745}} = 0.59326$$

$$a_{nz}^{\dagger} = \frac{1}{1 + e^{-0.35244}} = 0.59687$$

$$z_{01}^{+} = w_{5}^{+} a_{h_{1}} + w_{6}^{+} a_{h_{2}} + b_{z} = 0.358 \int \times 0.59326 + 0.408 \int \times 0.59687 + 0.6 = 1.05686$$

所有权事更新完毕

第一轮完成

$$Z_{02}^{\dagger} = 0.5113 \times 0.59326 + 0.5614 \times 0.59687 20.60 = 1.>3842$$

$$\alpha_{01}^{\dagger} = \frac{1}{1 + e^{-1.0569}} = 0.79 \ge 1$$

$$E_{t}^{+} = \frac{1}{2} \left[(0.7421 - 0.01)^{2} + (0.7753 - 0.99)^{2} \right] = 0.2910$$