### (-) 剖韵传播

#### 由 纸够话函数店:

$$a_{m} = \frac{1}{1 + e^{-2m}}$$

$$= \frac{1}{1 + e^{-0.3715}} = 0.593269992.$$

### 四回 隐藏图 → 勒哈图 新加加权和:

### 的,秘话函数后:

$$Q_{0,} = \frac{1}{1+e^{-\frac{1}{20}}}$$

$$= \frac{1}{1+e^{-1.1090167}} = 0.751365069.$$

月刊到特·an= 0.772928465·

# (2)"计争拨集的数。

(三) 病传播.

① 隐匿数到输出和积值更新.(wws/4)).

$$\frac{\partial E_{total}}{\partial ws} = \frac{\partial E_{total}}{\partial \alpha_{0}} \cdot \frac{\partial \alpha_{0}}{\partial z_{0}} \cdot \frac{\partial z_{0}}{\partial ws}$$

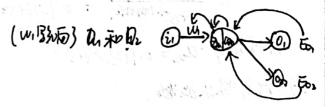
谷别计数编辑:

$$\frac{\partial E_{\text{total}}}{\partial a_{01}} = -\text{Ltarget}_{01} - a_{01}) = 0.751365069 - 0.0 = 0.741365069$$

$$\frac{\partial a_{0_{1}}}{\partial z_{0_{1}}} = \frac{e^{-z_{0_{1}}}}{(1+e^{-z_{0_{1}}})} = a_{0_{1}} \cdot (1-a_{0_{1}}) = 0.75136509) = 0.186818602$$

## 回 隐藏国 到隐藏目证相逐新 . (以 如,为公))

= 
$$\left(\frac{\partial E_{0_1}}{\partial \alpha h_1} + \frac{\partial E_{0_2}}{\partial \alpha h_1}\right) \times \frac{\partial h_{1_1}}{\partial h_{1_2}} \times \frac{\partial h_{1_1}}{\partial w_1}$$



: 确思明中心的高级带生成

台到沙科各编等:

$$\frac{\partial E_{01}}{\partial a_{n1}} : \frac{\partial E_{01}}{\partial a_{n1}} = \frac{\partial E_{01}}{\partial a_{01}} * \frac{\partial a_{01}}{\partial a_{01}} * \frac{\partial E_{01}}{\partial a_{n1}}$$

$$= 0.035399435.$$

$$\frac{\partial E \cot u}{\partial u_1} = B.055399425 - 0.019049119 = 0.036350306.$$

$$\frac{\partial a_{11}}{\partial z_{11}} : \qquad \alpha_{11} = \frac{1}{1 + e^{-z_{11}}}$$

$$\frac{\partial a_{11}}{\partial z_{11}} = \alpha_{11}(1 - \alpha_{11}) = 0.59316999261 - 0.593169992) = 0.2413007086.$$

$$\frac{\partial \lambda h}{\partial w_1} : \qquad \lambda h = w_1 * i_1 + w_2 * i_1 + b_1 * b_1$$

$$\frac{\partial \lambda h}{\partial w_1} = i_1 = 0.05$$

現所 
$$w_1$$
 研題:  $w_1' = w_1 - y \times \frac{\partial E total}{\partial w_1} = 0.15 - 0.05 \times 0.000438868 = 0.149780716$ .   
日報分析:  $w_2' = 0.19956143$   
 $w_3' = 0.24975114$ .