$$\frac{\partial E_{in}(\vec{w}^{(8)})}{\partial \vec{w}^{(8)}} = -y_3\overrightarrow{x_3} = (-1,-2,0)^T$$

$$\vec{w}^{(9)} = \vec{w}^{(8)} + y_3\overrightarrow{x_3} = (0,3,1)^T$$

第十轮迭代

$$\max\left(0,1 - y_4\left(\vec{w}^{(9)^T}\overrightarrow{x_4}\right)\right) = \max(0,1) = 1$$

$$\frac{\partial E_{in}(\vec{w}^{(9)})}{\partial \vec{w}^{(9)}} = -y_4\overrightarrow{x_4} = (1,0,0)^T$$

$$\vec{w}^{(10)} = \vec{w}^{(9)} + y_4\overrightarrow{x_4} = (-1,3,1)^T$$

第十一轮迭代

$$\max\left(0,1 - y_5\left(\vec{w}^{(10)^T}\overrightarrow{x_5}\right)\right) = \max(0,1) = 1$$

$$\frac{\partial E_{in}(\vec{w}^{(4)})}{\partial \vec{w}^{(4)}} = -y_5\overrightarrow{x_5} = (1,1,0)^T$$

$$\vec{w}^{(11)} = \vec{w}^{(10)} + y_5\overrightarrow{x_5} = (-2,2,1)^T$$

第十二轮迭代

$$\max\left(0,1 - y_6\left(\vec{w}^{(11)^T}\overrightarrow{x_6}\right)\right) = \max(0,0) = 0$$

$$\frac{\partial E_{in}(\vec{w}^{(11)})}{\partial \vec{w}^{(11)}} = -y_6\overrightarrow{x_6} = (1,0,1)^T$$

$$\vec{w}^{(12)} = \vec{w}^{(11)} + y_6\overrightarrow{x_6} = (-3,2,0)^T$$

第十三轮迭代

$$\max\left(0,1 - y_1\left(\vec{w}^{(12)^T}\overrightarrow{x_1}\right)\right) = \max(0,2) = 2$$

$$\frac{\partial E_{in}(\vec{w}^{(12)})}{\partial \vec{w}^{(12)}} = -y_1\overrightarrow{x_1} = (-1,-1,-1)^T$$

$$\vec{w}^{(7)} = \vec{w}^{(6)} + y_1\overrightarrow{x_1} = (-2,3,1)^T$$

第十四轮迭代