即：$\vec{\delta}^{(2)}=\begin{pmatrix}\delta_1^{(2)}\\ \delta_2^{(2)}\\ \delta_3^{(2)}\end{pmatrix}=\begin{pmatrix}\delta_1^{(3)}w_{11}^{(3)}[\![s_1^{(2)}\geq 0]\!]\\ \delta_1^{(3)}w_{21}^{(3)}[\![s_2^{(2)}\geq 0]\!]\\ \delta_1^{(3)}w_{31}^{(3)}[\![s_3^{(2)}\geq 0]\!]\end{pmatrix}=\begin{pmatrix}42*1*1\\ 42*1*1\\ 42*1*1\end{pmatrix}=\begin{pmatrix}42\\ 42\\ 42\end{pmatrix}$

继续运用反向传播法，于是：$\delta_j^{(1)}=\sum_k(\delta_k^{(2)})(w_{jk}^{(2)})(x_j^{(1)})'$，所以：

$$\delta_j^{(1)}=\sum\nolimits_k(\delta_k^{(2)})(w_{jk}^{(2)})[\![s_j^{(1)}\geq 0]\!]=(\delta_1^{(2)}w_{j1}^{(2)}+\delta_2^{(2)}w_{j2}^{(2)}+\delta_3^{(2)}w_{j3}^{(2)})[\![s_j^{(1)}\geq 0]\!]$$

由此可以得到：

$$\vec{\delta}^{(1)}=\begin{pmatrix}\delta_1^{(1)}\\ \delta_2^{(1)}\end{pmatrix}=\begin{pmatrix}[\![s_1^{(1)}\geq 0]\!] & 0\\ 0 & [\![s_2^{(1)}\geq 0]\!]\end{pmatrix}\begin{pmatrix}w_{11}^{(2)} & w_{12}^{(2)} & w_{13}^{(2)}\\ w_{21}^{(2)} & w_{22}^{(2)} & w_{23}^{(2)}\end{pmatrix}\begin{pmatrix}\delta_1^{(2)}\\ \delta_2^{(2)}\\ \delta_3^{(2)}\end{pmatrix}$$

$$=\begin{pmatrix}1 & 0\\ 0 & 1\end{pmatrix}\begin{pmatrix}1 & 1 & 1\\ 1 & 1 & 1\end{pmatrix}\begin{pmatrix}42\\ 42\\ 42\end{pmatrix}=\begin{pmatrix}126\\ 126\end{pmatrix}$$

令$\eta=0.01$，利用梯度下降法进行权系数更新：

$$\mathbf{w}_1^{(1)}=\mathbf{w}_0^{(1)}-\eta\vec{x}_n^{(0)}(\overrightarrow{\delta}^{(1)})^T=\mathbf{w}_t^{(1)}-\eta\begin{pmatrix}1\\ x_{n1}^{(0)}\\ x_{n2}^{(0)}\end{pmatrix}\left(\delta_1^{(1)},\delta_2^{(1)}\right)$$

$$=\begin{pmatrix}w_{01}^{(1)} & w_{02}^{(1)}\\ w_{11}^{(1)} & w_{12}^{(1)}\\ w_{21}^{(1)} & w_{22}^{(1)}\end{pmatrix}-\eta\begin{pmatrix}\delta_1^{(1)} & \delta_2^{(1)}\\ x_{n1}^{(0)}\delta_1^{(1)} & x_{n1}^{(0)}\delta_2^{(1)}\\ x_{n2}^{(0)}\delta_1^{(1)} & x_{n2}^{(0)}\delta_2^{(1)}\end{pmatrix}$$

$$=\begin{pmatrix}1 & 1\\ 1 & 1\\ 1 & 1\end{pmatrix}-0.01\begin{pmatrix}126 & 126\\ 1*126 & 1*126\\ 1*126 & 1*126\end{pmatrix}=\begin{pmatrix}-0.26 & -0.26\\ -0.26 & -0.26\\ -0.26 & -0.26\end{pmatrix}$$

$$\mathbf{w}_1^{(2)}=\mathbf{w}_0^{(2)}-\eta\vec{x}_n^{(1)}(\overrightarrow{\delta}^{(2)})^T=\mathbf{w}_0^{(2)}-\eta\begin{pmatrix}1\\ x_1^{(1)}\\ x_2^{(1)}\end{pmatrix}\left(\delta_1^{(2)},\delta_2^{(2)},\delta_3^{(2)}\right)$$

$$=\begin{pmatrix}w_{01}^{(2)} & w_{02}^{(2)} & w_{03}^{(2)}\\ w_{11}^{(2)} & w_{12}^{(2)} & w_{13}^{(2)}\\ w_{21}^{(2)} & w_{22}^{(2)} & w_{23}^{(2)}\end{pmatrix}-\eta\begin{pmatrix}\delta_1^{(2)} & \delta_2^{(2)} & \delta_3^{(2)}\\ x_1^{(1)}\delta_1^{(2)} & x_1^{(1)}\delta_2^{(2)} & x_1^{(1)}\delta_3^{(2)}\\ x_2^{(1)}\delta_1^{(2)} & x_2^{(1)}\delta_2^{(2)} & x_2^{(1)}\delta_3^{(2)}\end{pmatrix}$$

$$=\begin{pmatrix}1 & 1 & 1\\ 1 & 1 & 1\\ 1 & 1 & 1\end{pmatrix}-0.01\begin{pmatrix}42 & 42 & 42\\ 3*42 & 3*42 & 3*42\\ 3*42 & 3*42 & 3*42\end{pmatrix}$$

$$=\begin{pmatrix}0.58 & 0.58 & 0.58\\ -0.26 & -0.26 & -0.26\\ -0.26 & -0.26 & -0.26\end{pmatrix}$$