19201049

2. For m-layer, local induced gradient δ_m will be:

$$\delta_{m_1} = \phi'(v_{m_1}) \sum \delta_p w_{pm_1}$$

$$\delta_{m_2} = \phi'(v_{m_2}) \sum \delta_p w_{pm_2}$$

$$\delta_{m_3} = \phi'(v_{m_3}) \sum \delta_p w_{pm_3}$$

$$\delta_{m_4} = \phi'(v_{m_4}) \sum \delta_p w_{pm_4}$$

$$\delta_{m_5} = \phi'(v_{m_5}) \sum \delta_p w_{pm_5}$$

$$\delta_{m_6} = \phi'(v_{m_6}) \sum \delta_p w_{pm_6}$$

For p-layer,

$$\delta_{p_1} = \phi'(v_{p_1}) \sum \delta_h w_{hp_1}$$

$$\delta_{p_2} = \phi'(v_{p_2}) \sum \delta_h w_{hp_2}$$

$$\delta_{p_3} = \phi'(v_{p_3}) \sum \delta_h w_{hp_3}$$

$$\delta_{p_4} = \phi'(v_{p_4}) \sum \delta_h w_{hp_4}$$

$$\delta_{p_5} = \phi'(v_{p_5}) \sum \delta_h w_{hp_5}$$

For h-layer,

$$\delta_{h1} = \phi'(v_{h1}) \sum \delta_f w_{fh1}$$

$$\delta_{h2} = \phi'(v_{h2}) \sum \delta_f w_{fh2}$$

$$\delta_{h3} = \phi'(v_{h3}) \sum \delta_f w_{fh3}$$

$$\delta_{h4} = \phi(v_{h4}) \sum \delta_f w_{fh4}$$

For f-layer,

$$\delta_{f1} = e_{f1} \quad \phi'(v_{f1})$$

$$\delta_{f2} = e_{f2} \quad \phi'(v_{f2})$$

$$\delta_{f3} = e_{f3} \quad \phi'(v_{f3})$$