Backpoor through Softmax based on lynt 2gar

$$\frac{\partial z_{\alpha}}{\partial z_{\alpha}} = -\frac{1}{\alpha_{\alpha}^{\alpha}} \frac{\partial z_{\alpha}}{\partial z_{\alpha}} \left(\frac{\partial z_{\alpha}}{\partial z_{\alpha}} \right) \qquad \alpha_{\alpha}^{\alpha} = \frac{1}{2} \frac{z_{\alpha}}{z_{\alpha}}$$

$$\frac{\partial a_{i}}{\partial z_{j}^{\text{fit}}} - a_{i}^{\text{fit}} \delta_{ij} - a_{i}^{\text{fit}} a_{j}^{\text{fit}} = a_{i}^{\text{fit}} (\delta_{ij} - a_{j}^{\text{fit}})$$

$$\frac{\partial L}{\partial z_{ij}^{Lq}} = -\frac{1}{2} \alpha_{k}^{\alpha_{ij}} \left(\delta_{kj} - q_{i}^{\alpha_{kj}} \right) \frac{1}{\alpha_{k}^{\alpha_{kj}}} \delta_{kj} = -\left(\delta_{jj} - q_{j}^{\alpha_{kj}} \right)$$

$$= \left(\alpha_{j}^{\alpha_{kj}} - \delta_{jj} \right)$$

$$= q_{i}^{\text{Li}} \frac{\partial L}{\partial q_{i}^{\text{Li}}} - \frac{\partial L}{\partial q_{i}^{\text{Li}}} \frac{\partial L}{\partial q_{i}^{\text{Li}}} - \frac{\partial L}{\partial q_{i}^{\text{Li}}} \frac{\partial L}{\partial$$

$$\frac{\partial L}{\partial Z^{E_1}} = Q^{(1)} \frac{\partial L}{\partial Q^{E_2}} - (Q^{(1)} \frac{\partial L}{\partial Q^{E_2}}) Q^{(1)}$$

Multiply the mits is elementarized and elementarized.