1.1: Helper Functions

5) Analytical Expression of do

$$\frac{dL}{d\rho} = \frac{A}{d\rho} \left(-\frac{E}{k_{\pi}} \frac{A}{A} \log \left(\frac{B}{k_{\pi}} \right) \right) \qquad \frac{d\rho}{d\rho} = \frac{A}{d\rho} \left(\frac{E}{E} \frac{explor}{explor} - \frac{explor}{explor} \right)$$

$$= -\lambda_{\perp} \cdot \frac{A}{d\rho} \log \left(\frac{B}{k_{\pi}} \right) \qquad \frac{explor}{explor} \cdot \frac{explor}{explor}$$

$$= -\lambda_{\perp} \cdot \frac{B}{d\rho} \qquad \frac{explor}{explor} \cdot \frac{explor}{explor} \cdot \frac{explor}{explor}$$

$$= -\lambda_{\perp} \cdot \frac{B}{d\rho} \qquad \frac{explor}{explor} \cdot \frac{explor}{$$

1.2 Backpropagation Derivation

1) Analytical Expression of the

1) Analytical Expression of abo

= 11. (p-y) sum of the elements of (p-y)

otherwise for each element individually

3) Analytical Expression of all