



enor: (Y-adul - Youlpt)

$$\frac{d enor}{dw_{ij}} = \frac{d \cdot enor}{d \cdot w_{ij}}$$

$$= \frac{d \cdot enor}{d \cdot oulpt}$$

$$\frac{d \cdot enor}{d \cdot oulpt} = 2(yachl - youlput) \cdot (\frac{d \cdot \sigma(w_k)}{d \cdot w_{ij}})$$

$$\frac{d \cdot enor}{d \cdot oulpt} = 2(enor) \cdot \sigma(w_k) \cdot (1 - \sigma(w_k)) \cdot x$$

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$$\frac{d \cdot oulpt}{d \cdot oulpt} = 2(enor$$







