$$X = [0, 5, 6]$$
 $X + e$
 $X +$

$$f: \mathbb{R} \longrightarrow \mathbb{R}$$

$$\frac{1}{2} \left(\frac{1}{2} \right)_{x} = \left(\frac{1}{2} \right)_{x$$

f:12~->12

$$\hat{y} = m \times m = 1 \times = 1 \times = 2$$
 $1055 = (mx - y)^2$
 $1055 = (mx - y)^2$

$$\frac{\partial \mathcal{L}}{\partial w} = 2 \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}(x_{i}, w) - \hat{y}_{i}} \right) \times \frac{\hat{y}_{i} - \hat{y}_{i}}{\hat{y}_{i} - \hat{y}_{i}} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{x}_{i}} \right) \times \frac{\hat{y}_{i} - \hat{y}_{i}}{\hat{y}_{i} - \hat{y}_{i}} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} - \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{i}} + \hat{y}_{i} \left(\frac{\hat{y}(x_{i}, w) - \hat{y}_{i}}{\hat{y}_{i}} \right) \times \frac{\hat{y}_{i}}{\hat{y}_{$$

W < --- W - > Vw Lz $= \left(\hat{y}_{i} - y_{i}\right)^{2}$ $= \left|\hat{y}_{i} - y_{i}\right|^{2}$ $> \omega$