

$$x = 0$$

$$a_1 = 0 \cdot w_1 + b_1$$

$$o_1 = \text{relu}(a_1)$$

$$a_2 = o_1 w_2 + b_2$$

$$o_2 = a_2$$

$$y = 0$$

$$\text{loss} = \frac{1}{2} (y - \hat{y})^2$$

$$\frac{\partial \text{loss}}{\partial y} = y - \hat{y} = \frac{\partial \text{loss}}{\partial a_2}$$

$$\frac{\partial \text{loss}}{\partial w_2} =$$