

$$\frac{\partial L}{\partial f_j} = -\gamma_i' + \sum_{j=1}^{n} \gamma_j' \gamma_j' = -\gamma_i' + \gamma_i \sum_{j \in J} \gamma_j'$$

$$f(x) = W_{X+b}$$

Derive Weight gradients
$$\frac{\partial L}{\partial W} = \frac{\partial L}{\partial Y_{i}} = \frac{\partial f_{i}}{\partial W} = \frac{\partial f_{$$

$$\frac{\partial L}{\partial b_i} = \frac{\partial L}{\partial f_i} = \frac{\partial f_i}{\partial b_i} = \frac{\partial f_i}{\partial b_i$$