$$\frac{dy}{dw_i} = \frac{dy}{dh_1} \cdot \frac{dh_1}{dw_i}$$

$$\frac{dy}{dw_5} + \frac{dy}{dw_6} =$$

$$\frac{dy}{dh_1}\frac{dh_1}{dw_2} + \frac{dy}{dh_2}\frac{dh_2}{dw_3} + \frac{dy}{dh_2}\frac{dh_2}{dw_4} +$$

$$y = w_5 h_1 + w_6 h_2 + b_3$$

$$\frac{dy}{db_3} = 0 + 0 + 1 = 1$$

$$h_1 + h_2 + w_5 \cdot u_1 + w_5 u_2 + w_6 u_3 + w_6 u_4 =$$

$$h_1 + h_2, \quad u_i = \sum_i^{for}$$

$$\frac{dy}{dw_1} = \frac{dy}{dh_1}$$

$$\frac{dy}{dw_5} =$$

$$\frac{dy}{db_i} = w_5 + \quad if \ w_1 x_1 + w_2 x_2 + b_i > 0$$
$$0 \ else. \ 0$$

$$\frac{dy}{db_2} = w_6 \quad if \ w_3 x_1 + w_4 x_2 + b_2 > 0$$