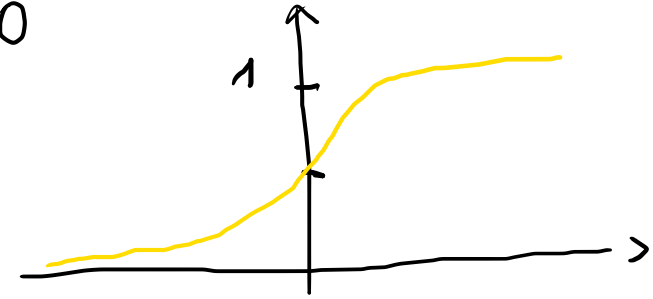
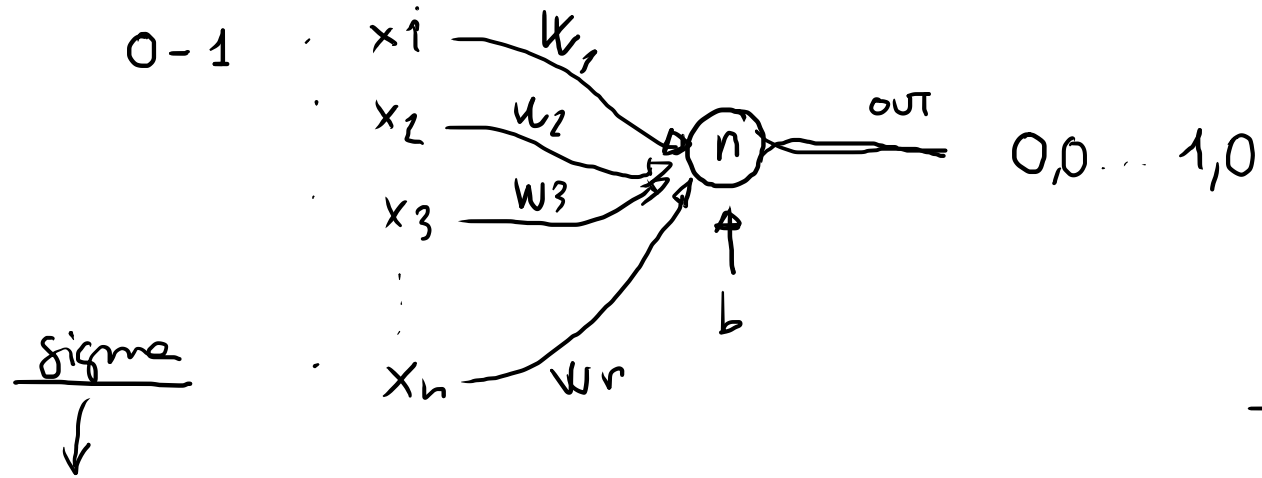
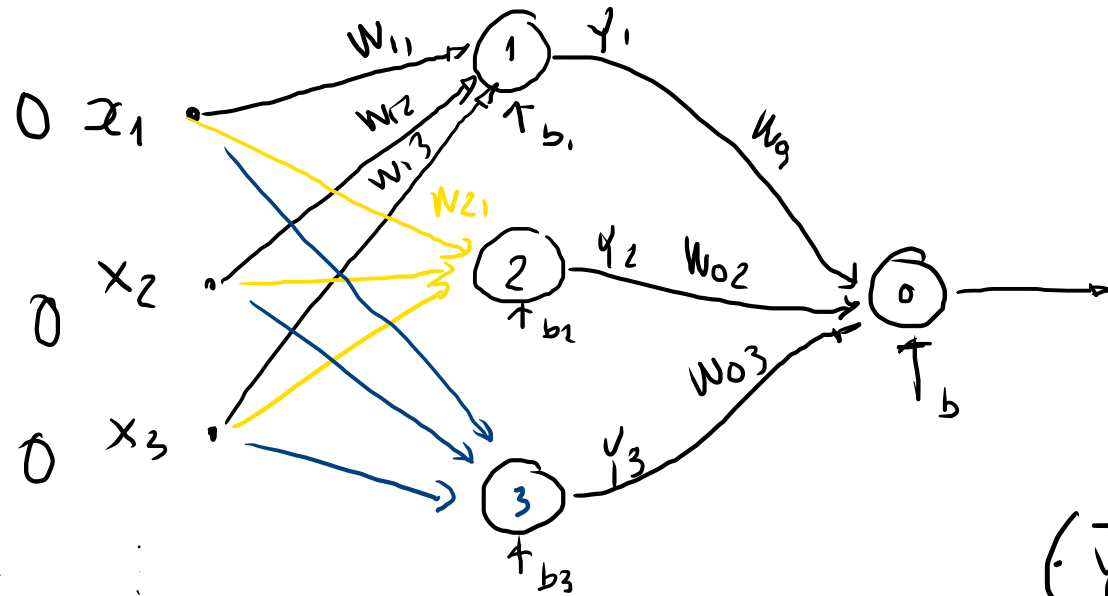


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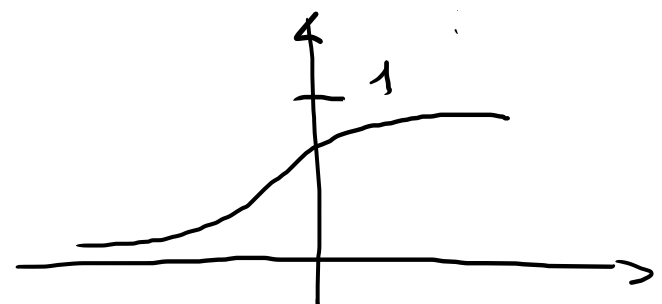
$$\sigma \left(x_1 \cdot \underset{\uparrow}{w_1} + x_2 \cdot \underset{\uparrow}{w_2} + \dots + x_n \cdot w_n + b \right) =$$

1



x_1	0	1	0
x_2	0	0	1
x_3	0	0	0
\bar{y}	0	0	1

$$(\bar{y} - \bar{y}_p)^2$$



$$f(x) = \frac{1}{1 + e^{-x}}$$

$$\leadsto f' = x(1-x)$$