



$$x_0^1 = \underset{\substack{\uparrow \\ \text{F. Activación}}}{\varphi} \left( w_{0,0} x_0^0 + w_{0,1} x_1^0 + \dots + w_{0,n} x_n^0 + b_0 \right)$$

Bias  $\nearrow$

$$\varphi \left( \begin{bmatrix} w_{0,0} & w_{0,1} & \cdots & w_{0,n} \\ w_{1,0} & w_{1,1} & \cdots & w_{1,n} \\ \vdots & \vdots & \ddots & \vdots \\ w_{m,0} & w_{m,1} & \cdots & w_{m,n} \end{bmatrix} \begin{bmatrix} x_0^0 \\ x_1^0 \\ \vdots \\ x_n^0 \end{bmatrix} + \begin{bmatrix} b_0 \\ b_1 \\ \vdots \\ b_n \end{bmatrix} \right)$$

$$\varphi (Wx^0 + b)$$