Entrada
$\boldsymbol{x} \in \mathbb{R}^3$

Capa oculta 1
$\boldsymbol{a}_1 = \varphi_1\left(\boldsymbol{W}_1 \boldsymbol{x} + \boldsymbol{b}_1\right)$
$\boldsymbol{a}_1 \in \mathbb{R}^4$

Capa oculta 2
$\boldsymbol{a}_2 = \varphi_2\left(\boldsymbol{W}_2 \boldsymbol{a}_1 + \boldsymbol{b}_2\right)$
$\boldsymbol{a}_2 \in \mathbb{R}^5$

Salida
$\boldsymbol{y} = \varphi_3\left(\boldsymbol{W}_3 \boldsymbol{a}_2 + \boldsymbol{b}_3\right)$
$\boldsymbol{y} \in \mathbb{R}^2$