



$$(x_1, x_2) \xrightarrow{W_0, b_0} \mathbf{h} \xrightarrow{\text{ReLU}(\sigma)} \tilde{\mathbf{h}} \xrightarrow{W_1, b_1} \mathbf{g} \xrightarrow{\text{ReLU}(\sigma)} \tilde{\mathbf{g}} \xrightarrow{W_2, b_2} \phi(x_1, x_2)$$