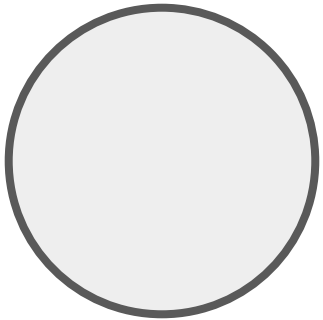
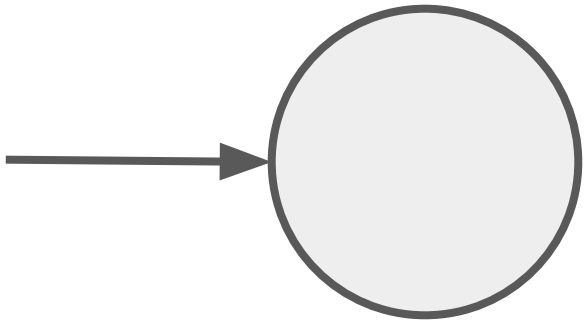
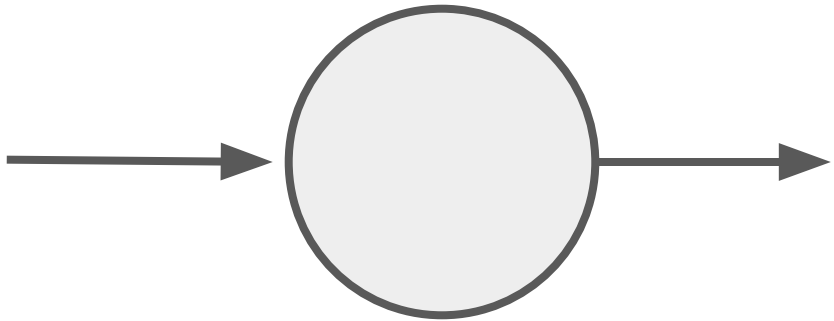
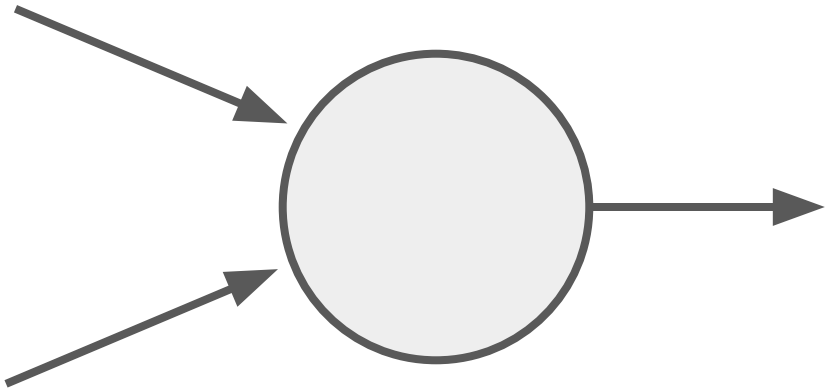
JS

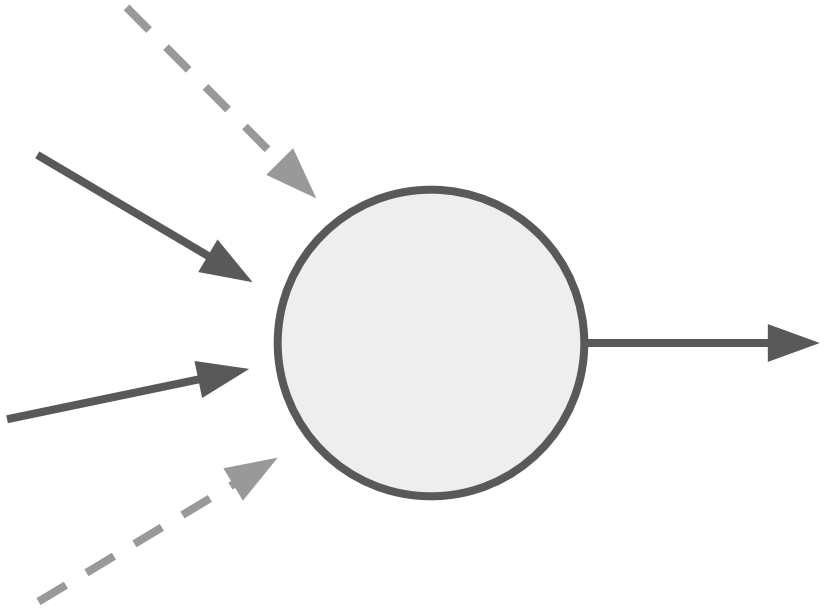
Neural Networks

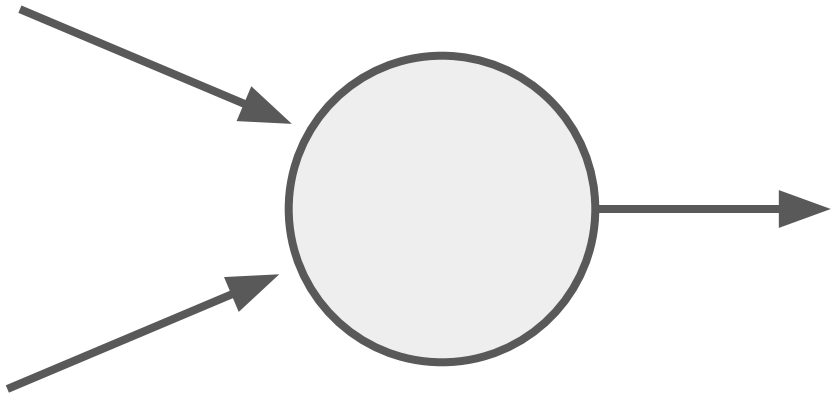


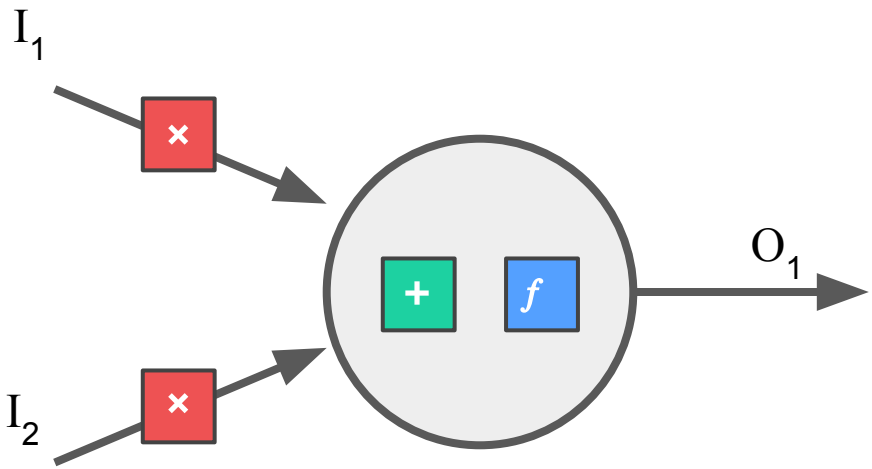


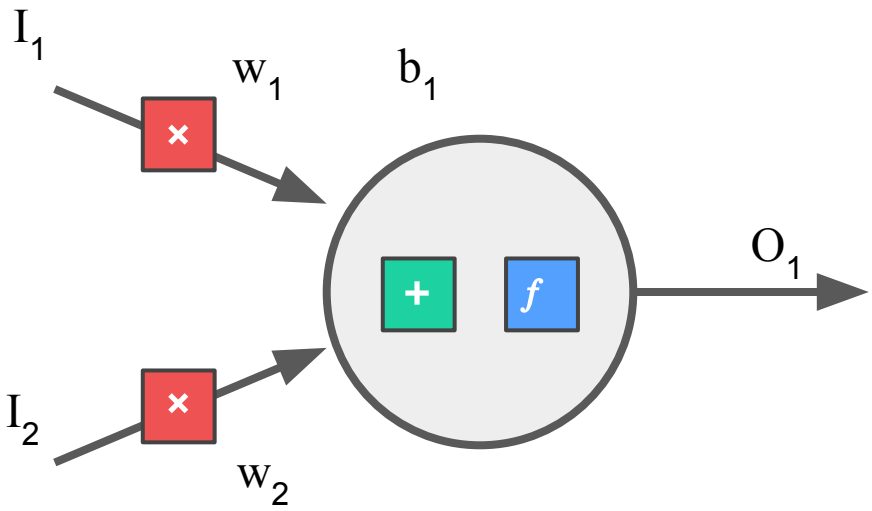


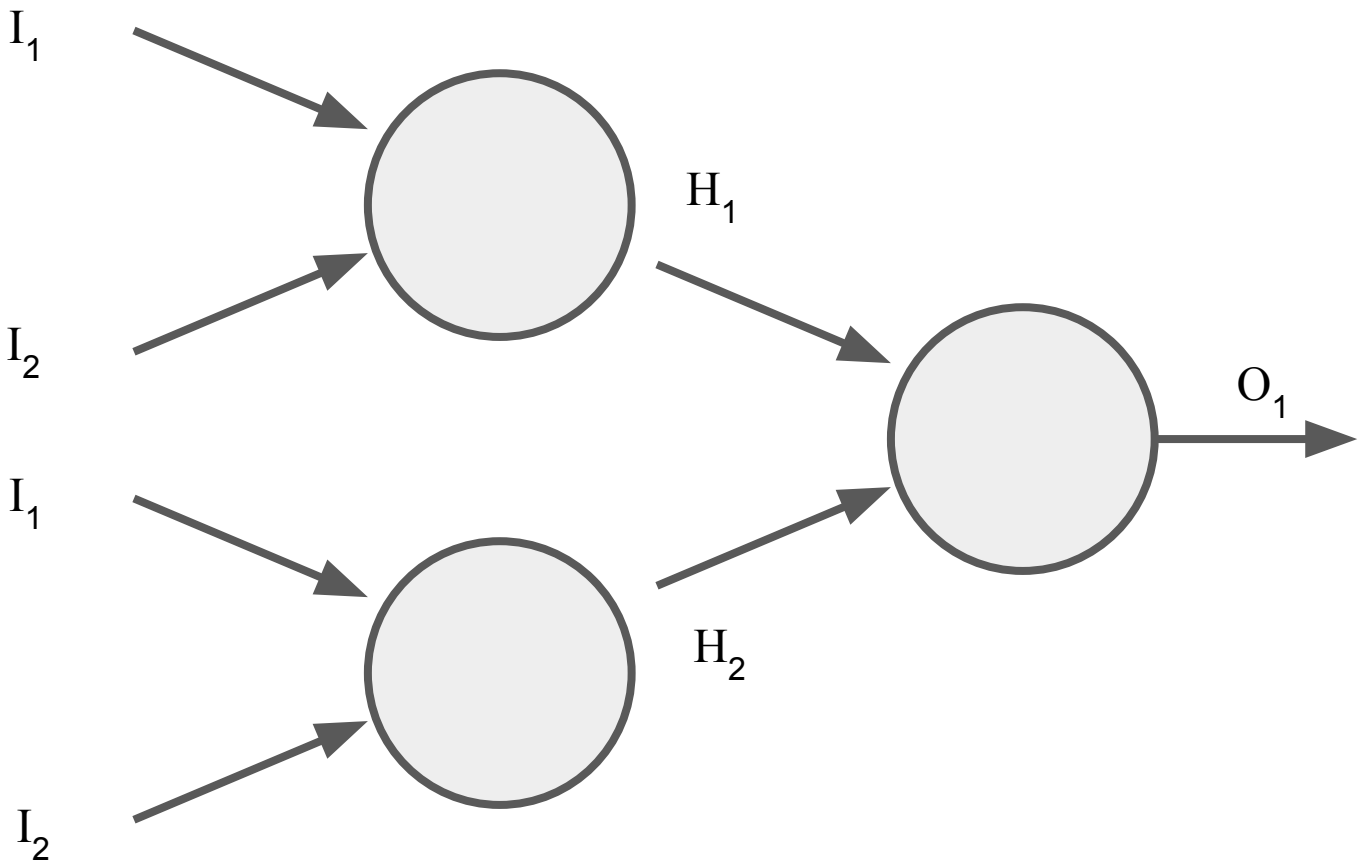


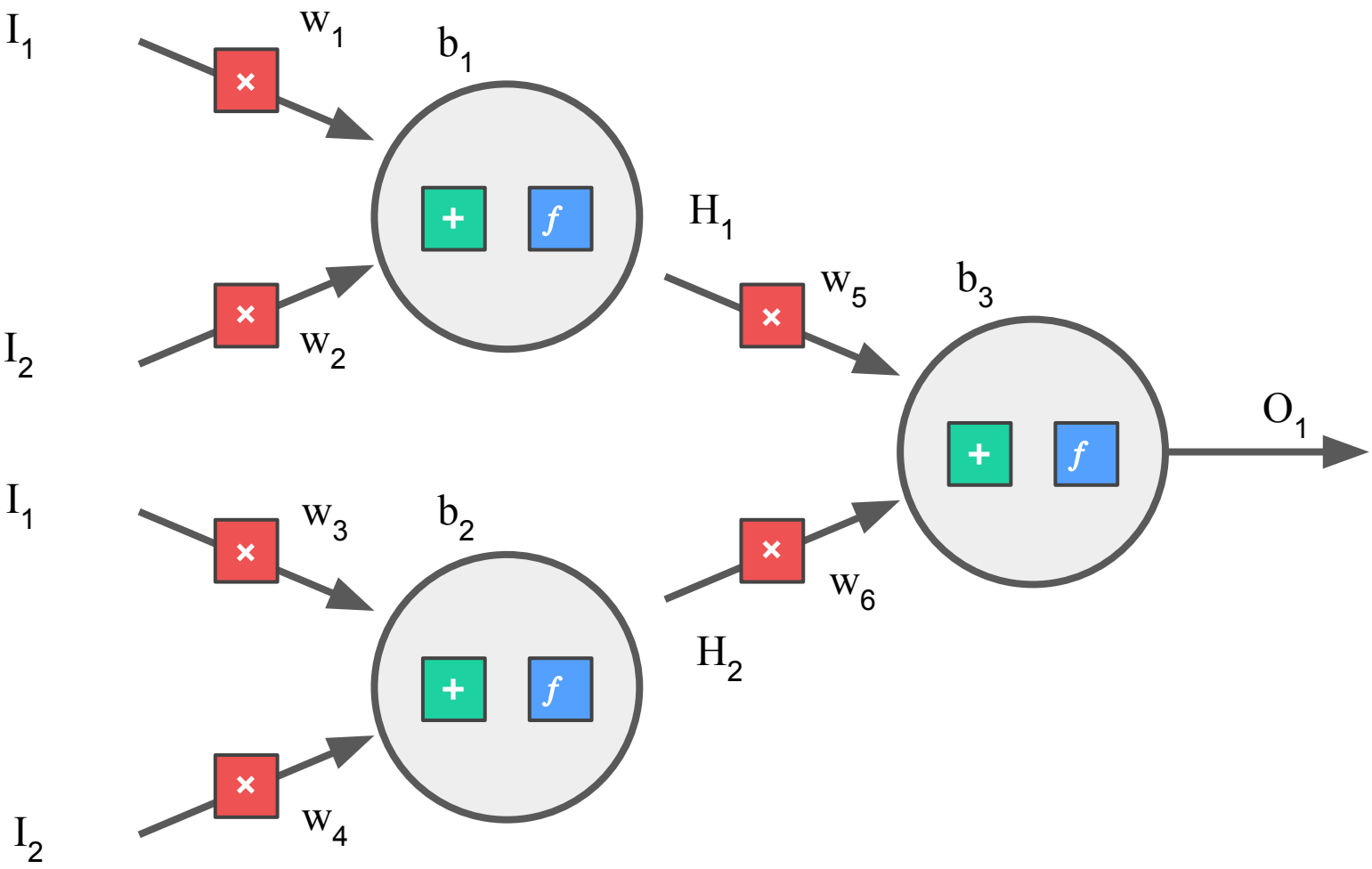





I1
I2
×
×
+
f
O1


I1
w1
b1
O1
I2
w2
+
f


I1
I2
H1
I1
I2
H2
O1


I1
w1
b1
I2
w2
H1
w5
b3
O1
I1
w3
b2
w6
H2
I2
w4

$$y = f(x_1 \times w_1 + x_2 \times w_2 + b)$$

$$\text{MSE} = \frac{1}{n} \sum_{n}^{i=1} (y_{true} - y_{pred})^2$$

$$\frac{\partial L}{\partial w_1} = \frac{\partial L}{\partial y_{pred}} \times \frac{\partial y_{pred}}{\partial w_1}$$