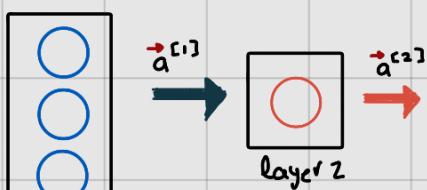
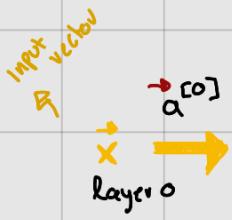
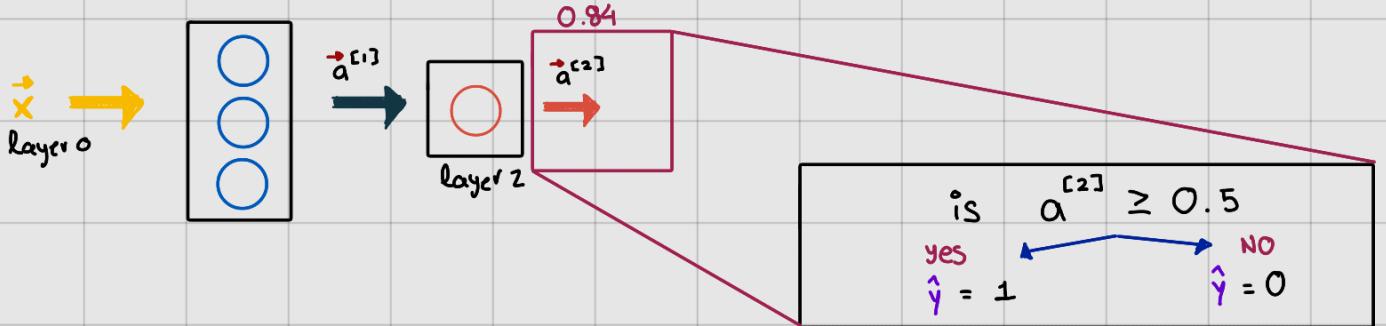
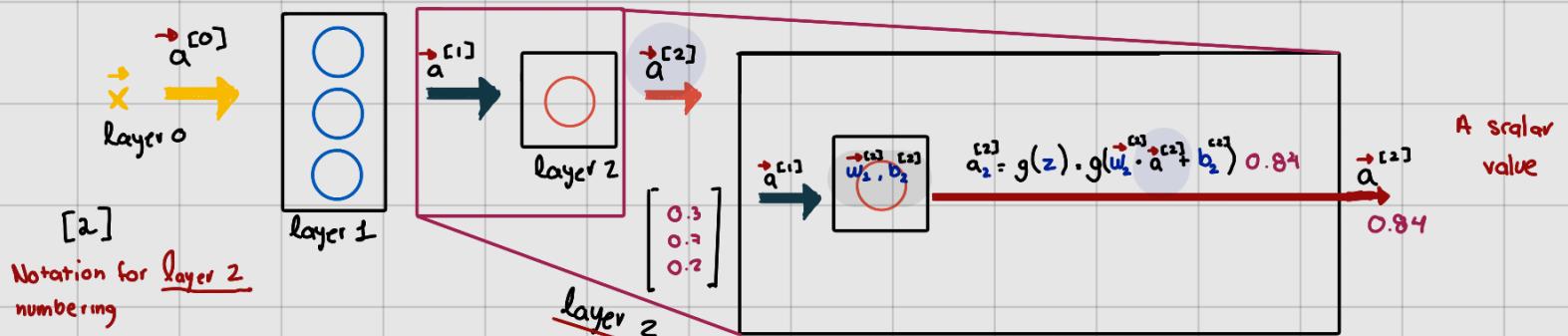
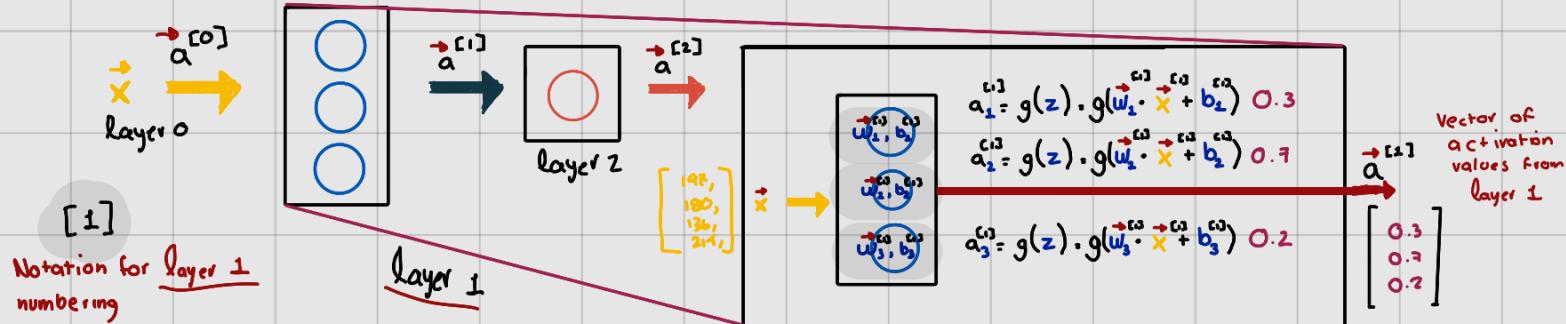


Neural Network Layer



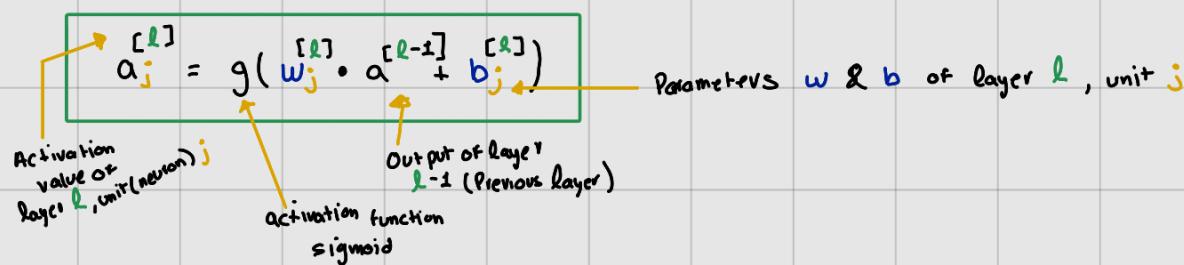
$$g(z) = \frac{1}{1 + e^{-z}}$$



Example

Complex Neural Network Layer

$$a_2^{[3]} = g(w_2 \cdot a^{[2]} + b_2)$$



All of this process is a forward propagation

