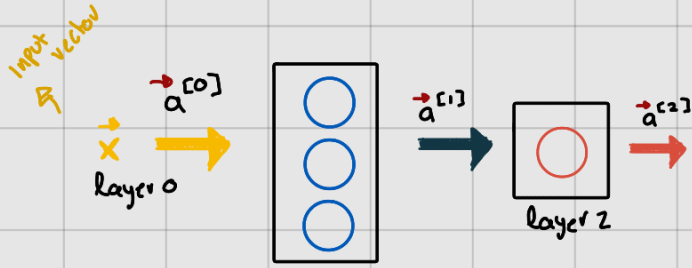
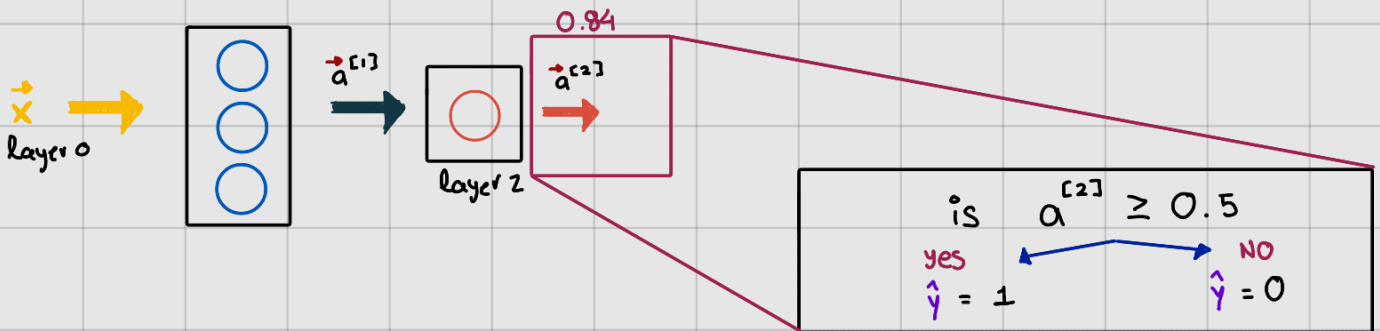
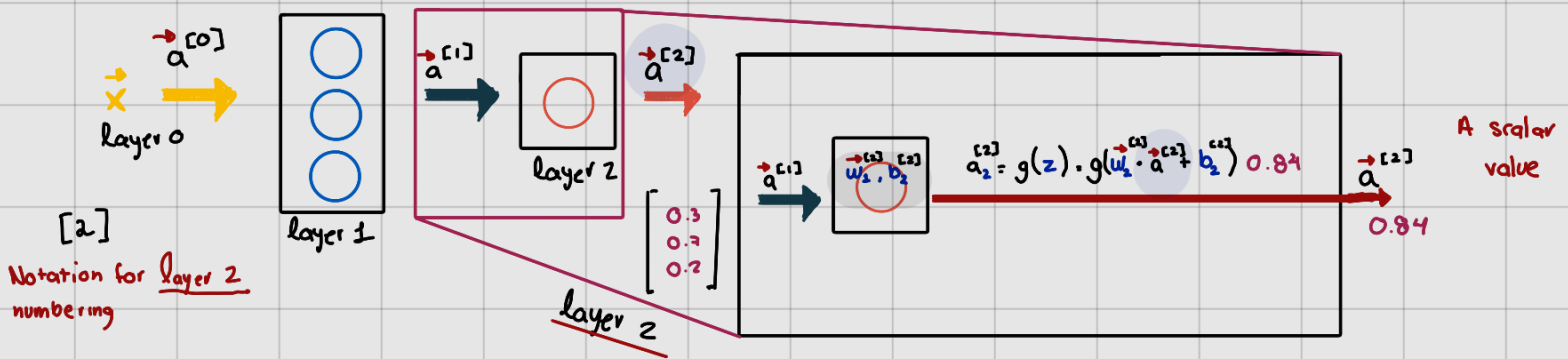
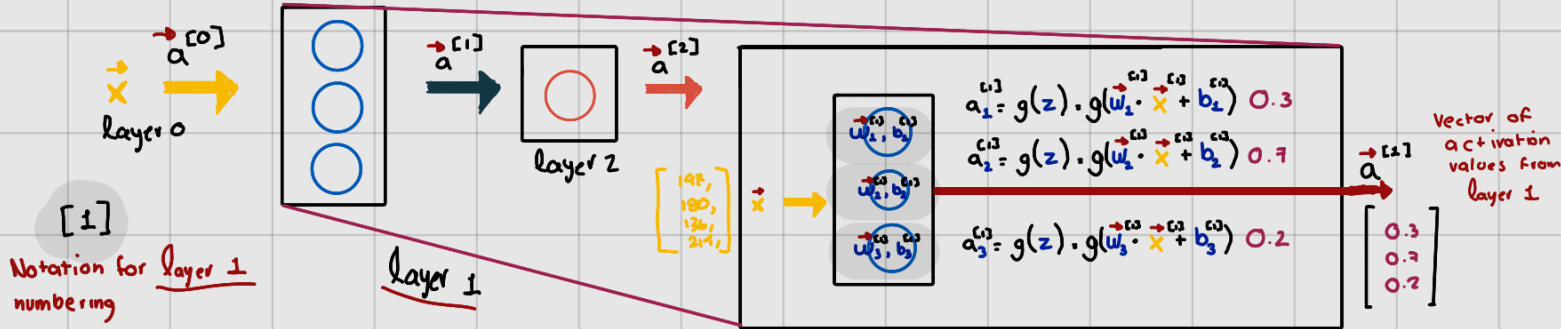


Neural Network Layer



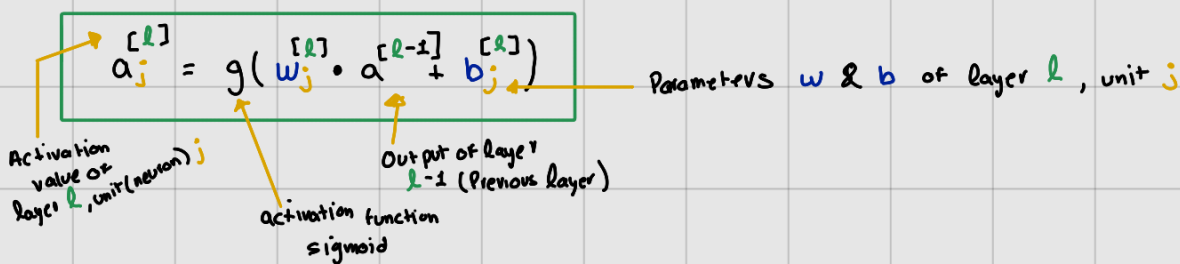
$$g(z) = \frac{1}{1 + e^{(-z)}}$$



Example

Complex Neural Network Layer

$$\vec{a}^{[3]} = g(\vec{w}_2 \cdot \vec{a}^{[2]} + b_2)$$



All of this process is a forward propagation

