



$$z^{(1)} = X \cdot W^{(1)} + b^{(1)} \in [m \times 50]$$

$$Q^{(1)} = f^{(1)}(z^{(1)}) \in [m \times 50]$$

$$z^{(2)} = Q^{(1)} \cdot W^{(2)} + b^{(2)} \in [m \times 10]$$

$$Q^{(2)} = f^{(2)}(z^{(2)}) \in [m \times 10]$$