

 $\text{Input Layer} \in \mathbb{R}^{12} \qquad \qquad \text{Hidden Layer} \in \mathbb{R}^{10} \qquad \qquad \text{Hidden Layer} \in \mathbb{R}^{8} \qquad \qquad \text{Hidden Layer} \in \mathbb{R}^{10} \qquad \qquad \text{Output Layer} \in \mathbb{R}^{2}$