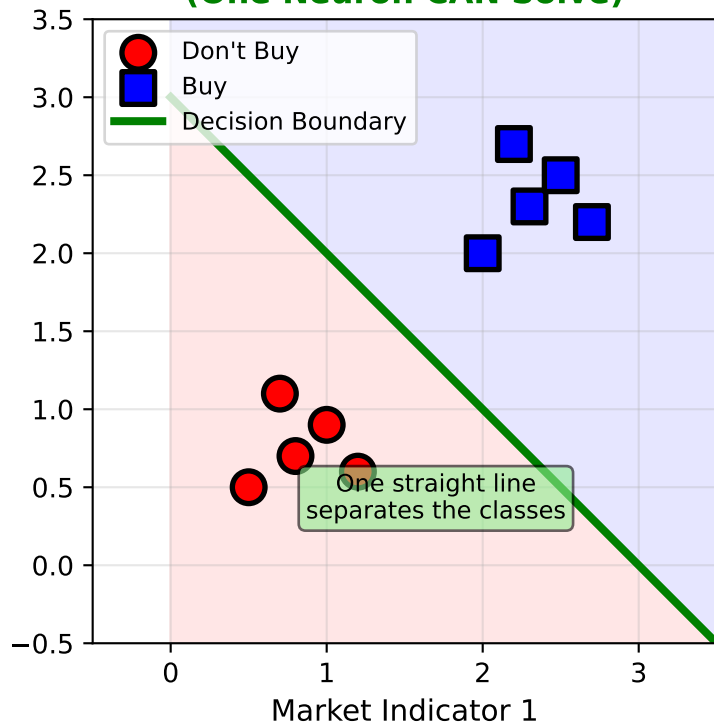
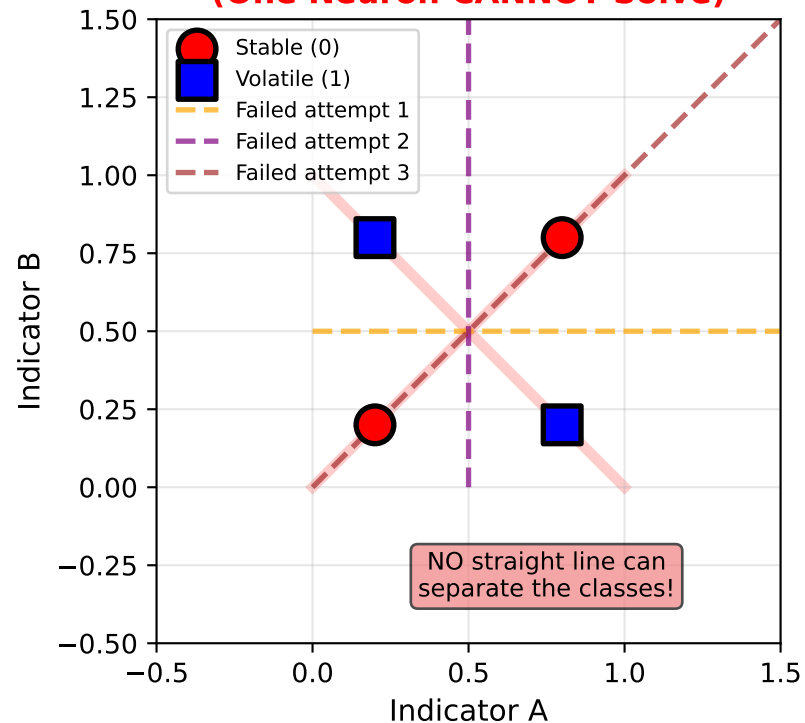


Why One Neuron Is Not Enough

**Linearly Separable Problem
(One Neuron CAN Solve)**



**Non-Linearly Separable Problem
(One Neuron CANNOT Solve)**



Solution: Use Multiple Layers (Hidden Layers) to Create Non-Linear Decision Boundaries