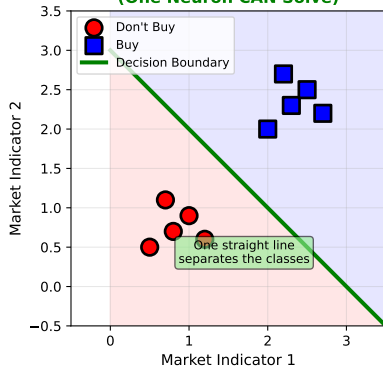


## Topic 06: Linear Limitation

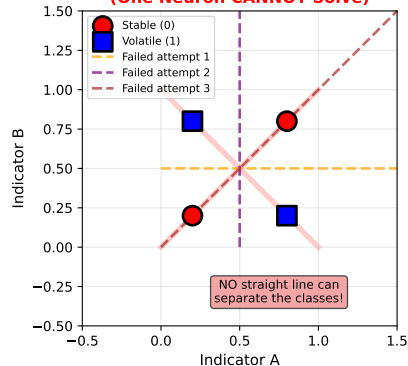
Neural Networks - From Brain to Business

### 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**