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1. NEURAL NETWORK

Build an Artificial Neural Network by implementing the **Backpropagation algorithm** and test the same using appropriate data sets (any data).

2. PERCEPTRON CLASSIFIER

Train the network for implementing perceptron classifier for the following logic functions.

(i) AND (ii) OR

The AND logic		
X1	X2	target
0	0	0
0	1	0
1	0	0
1	1	1

The OR logic		
X1	X2	target
0	0	0
0	1	1
1	0	1
1	1	1

3. CHECK IF SINGLE LAYER PERCEPTRON CAN BE USED TO IMPLEMENT XOR LOGIC FUNCTION.

(XOR gate -needs a hidden layer)

The XOR logic		
X1	X2	Target
0	0	0
0	1	1
1	0	1
1	1	0