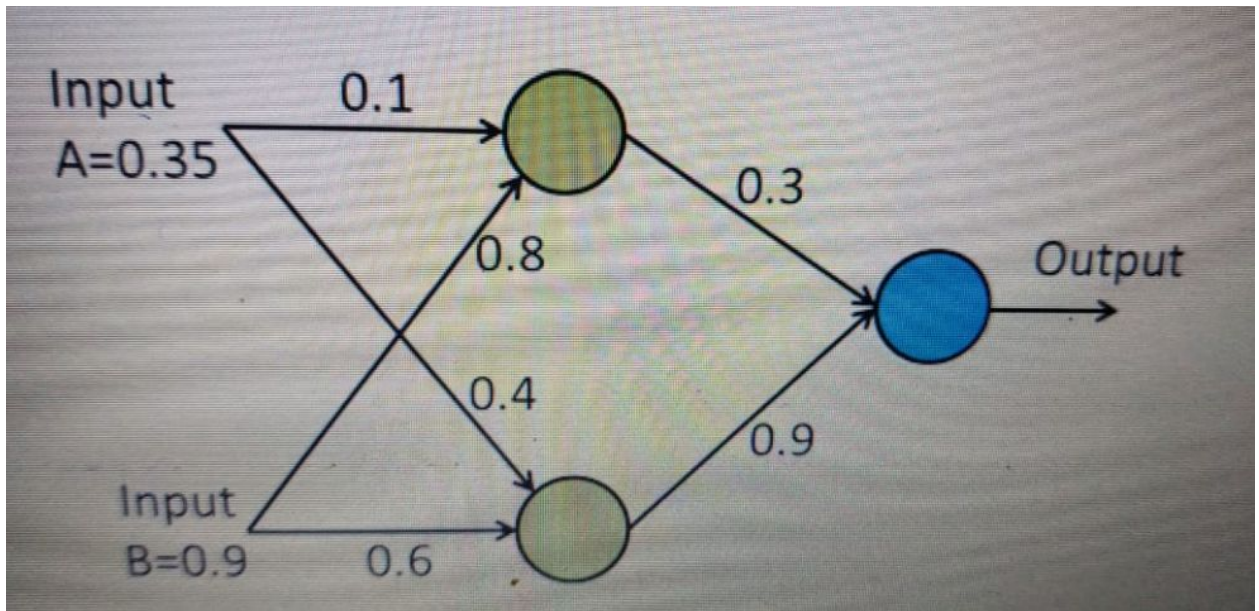# Digital Image Processing
Lab Assignment-4

1. Implement Back propagation algorithm in Neural Network consisting of 2 input nodes, 2 hidden nodes, 1 output node, learning rate=0.01 using sigmoid function as an activation function.

2. Implement Linear Regression using SGD with mean absolute error loss function for the following dataset.

x	y
1	1
2	3
4	3
3	2
5	5