# multi layer perceptron (Sigmoid function):

## Lap Example: (LR = 0.01, Epochs = 1000, layers = 3,4)

### Runs:

Run 1 : File name (“weights\_3.txt”)

A screenshot of a computer

Description automatically generated

Run 2 : File name (“weights\_4.txt”)

A screenshot of a computer

Description automatically generated

Run 3 : File name (“weights\_2.txt”)  
A screenshot of a computer

Description automatically generated

Run 4 : File name (“weights\_1.txt”)  
A screenshot of a computer

Description automatically generated

## Another Examples: (LR = 0.02, Epochs = 500, layers = 5,5)

### Runs:

Run 1

A screenshot of a computer

Description automatically generated

Run 2

A screenshot of a computer

Description automatically generated

## Another Examples: (LR = 0.001, Epochs = 1000, layers = 3)

### Runs:

Run 1

A screenshot of a computer program

Description automatically generated

Run 2

A screenshot of a computer

Description automatically generated

## Another Examples: (LR = 0.05, Epochs = 1000, layers = 3,4,5)

### Runs:

Run 1

A screenshot of a computer

Description automatically generated

Run 2

A screenshot of a computer

Description automatically generated