

## **LAB-4**

### **Question 1: -**

(i) Write a program for matrix multiplication using recursion.

Matrix A: 2\*2

Matrix B: 2\*2

Output: - Enter elements in Matrix A:

12 56

45 78

Enter elements in Matrix B:

2 6

5 8

On matrix multiplication of A and B the result is:

304 520

480 894

### **Question 2: -**

Write a program for multiplication using Strassen method(recursive).

### **Solution 2: -**

Enter the 4 elements of first matrix: 1, 2, 3, 4

Enter the 4 elements of second matrix: 5,6,7,8

The first matrix is

1 2

3 4

The second matrix is

5 6

7 8

After multiplication using

19 22

43 50