SSN College of Engineering

Department of CSE

Exercise 3

- 1. Use import matplotlib.pyplot as plt and plot the graph for n and complexity for the following recurrence relations:
 - a. T(n) = T(n-1) + n
 - b. $T(n) = T(n-1) + n^2$
 - c. T(n) = T(n-1) + logn
 - d. T(n) = T(n/2) + logn
 - e. $T(n) = T(\sqrt{n}) + \log n$
- 2. Implement Strassen Matrix multiplication