COMPSCI 242-001 Data Structures and Algorithms (Spring 2004)

Homework 1 (70 points), Due on 1/27/2004 (Tuesday)


2. Exercise 2.2-1 on page 27 of the textbook.

3. Exercise 2.3-2 on page 36 of the textbook.

4. Exercise 2.3-4 on page 37 of the textbook.

5. Problem 2-1 parts a, b, c on page 37 of the textbook.

6. Please use the basic definition of $\Theta$ notation to prove $n^2/3 - 12 = \Theta(n^2)$.

7. Exercise 3.1-4 on page 50 of the textbook, and please justify your answer.