CS 5633: Analysis of Algorithms

Exam 1, Practice Problems

Page and problem numbers are with respect to the 3rd edition of our text book.

- Analyzing Algorithms
 - Page 22: 2.1-3,4
 - Page 29: 2.2-1,2,3,4
 - Pages 39-40: 2.3-3,4,5,6 and 2-1,2,3
- Asymptotic Notation
 - Pages 52-53: 3.1-1,3,4,5,6
 - Pages 61-62: 3-2,3,4
- Divide-and-Conquer and Recurrences
 - Page 87: 4.3-1,2,3,4,6,7,8
 - Pages 92-93: 4.4-1,2,3,4,5,6,7
 - Pages 96-97: 4.5-1,2,3
 - Pages 107-108: 4-1,3,4
 - Pages 82-83: 4.2-1,2,4,5,6,7
- Probability and Randomized Algorithms
 - Page 1194: C.2-1
 - Pages 1200-1201: C.3-1,2,3,4
 - Page 122: 5.2-1,2,3,4
 - Page 143: 5-2
- Quicksort
 - Pages 173-174: 7.1-1,2,3,4
 - Page 178: 7.2-1,2,3
 - Page 189: 5-2