CSE 421
Introduction to Algorithms
Problem Set No. 2
Due: Monday, 1/25/99

Winter 1999

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Handout 3
1/19/99

Reading Assignment Update:

Week 0. Background and Review: Ch 1, 2 (except you may skip little-o and ω for now), 11–13. Spend 5 minutes skimming Chapter 5 so you can refer back when needed. Review balanced search trees (e.g., AVL trees, splay trees, red-black trees (ch 14), and/or B-trees (ch 19)), and sorting (ch 7–9), as covered in your version of CSE 326.

Weeks 1–2. Divide and Conquer: Ch. 31 thru 31.2, excluding pages 735–7. Skim Ch. 3; we'll return to pick up details here as needed. Read Ch 4 thru 4.3. Read 35.4 pp 908–912.

I have decided to skip Chapters 10 and 32 (listed on the syllabus), at least for now.


Problem Set No. 2:

Reminder: You are encouraged to work with other students in solving the exercises and problems, but you should write up the solutions by yourself, without using any notes from your conversations with other students.

1. p 60, 4.2-1. You may assume n is a power of 2.
2. p 61, 4.2-3. You may assume n is a power of 2.
3. p 64, 4.3-1.
5. p 912, 35.4-2.