

CS 365 – Randomized Algorithms

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Assignment #1 (Due 10/16/08)

The following problems are drawn from the course text-book. Note that I will use “Problem” to refer to the problems posed at the end of a chapter, and “Exercise” to refer to the exercises contained within the chapter text itself. Typically, the exercises within the chapter text are easy and you should be able to solve them while reading the chapter.

- 1) [10 points] Solve Exercise 1.9.
- 2) [20 points] Solve Problem 1.8.
- 3) [20 points] Solve Problem 1.9.
- 4) [20 points] Solve Problem 2.1.
- 5) [10 points] Solve Problem 2.3.
- 6) [20 points] Solve Problem 2.7.

Reading Assignment: First of all scan the appendices in the book and make sure that you know most of the material there. In class, we have covered Chapters 1, 2 and 10.2 from the book so far. Finish reading these chapters and start reading Chapters 3 and 4 in preparation for future classes.