Illinois Institute of Technology
Department of Computer Science

Homework Assignment 1

CS 430 Introduction to Algorithms
Spring Semester, 2017

Due: Wednesday, January 18—All homework must be turned in via Blackboard.

Remember the Honesty Pledge!

1. Problem 2.3-3 on page 39

2. Problem 2.3-4 on page 39

3. Problem 2-3(a) on page 41

4. Problem 3-3(a), second row only, on pages 61–62; justify your answers!

5. Problem 4-3(c) on page 108; solve this problem two ways: first with the master theorem on page 94, and then using secondary recurrences (pages 15–16 in the January 11 notes)