

Homework Assignment 2

CS 430 Introduction to Algorithms
Fall Semester, 2010

Due: Wednesday, September 15

1. Problem 6.4-3 on page 160
2. Problem 7-4 on page 188. Add a part (d), as follows: Determine the *average stack depth*, assuming that all permutations are equally likely. (*Hint*: You need an analysis that is somewhat similar to that done in class on September 1.)
3. Problem 8.3-4 on page 200
4. Problem 8-3(b) on page 206
5. Problem 9.3-8 on page 223