CpSc 8400: Design and Analysis of Algorithms

Instructor: Dr. Brian Dean
Webpage: `http://www.cs.clemson.edu/~bcdean/`
Handout 13: Homework #6, Due Tuesday, April 5

Spring 2016
TTh 12:30-1:45
McAdams 119

6-1. Greedy Scheduling – An Alternate Objective. Please do problem 160 in the greedy algorithms chapter of the textbook draft.

6-2. Ballroom Matching Revisited. Please do problem 192(c) in the greedy algorithms chapter.

6-3. More DP Practice Problems – Packing Crates. Please do problem 209(b) in the dynamic programming chapter of the textbook draft.

6-4. Block Stacking. Please do problem 222 in the textbook draft. If your algorithm is at least as fast as the instructor's algorithm[1], you will receive full credit. Otherwise, you will receive a 1 point deduction for every factor of n in your running time in excess of the running time of the instructor's algorithm.

[1] Unfortunately, you don't know how fast the instructor's algorithm is; you do know, however, that the instructor is a fan of fast algorithms...