

22C:31 Homework 5

Due in class on Thursday, April 22nd

This homework will be graded out of 60 points and it is worth 6% of your grade. The Teaching Assistant will grade some 6 out of the 8 problems, with each problem worth 10 points.

The textbook has some very interesting problems on dynamic programming. The early problems mostly requires “1-dimensional” dynamic programming solutions. Solve the first 9 of the problems at the back of Chapter 6, with the exception of Problem 3, which I solved in class. For each problem, write your solution in the step-by-step fashion that I have been following in class. For Problems 1-2 provide a running time analysis of your algorithm. For the rest, this is unnecessary.
