Problem Set 5:

Dynamic Programming III

Due: Thursday, February 13, 2014, at the beginning of class

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1. Work problem 15-3 on page 405 ("Bitonic euclidean traveling-salesman problem"). Your solution must be a bottom-up dynamic programming solution, and must illustrate all 4 steps of a dynamic programming solution.

2. Work problem 15-8, pages 409-410 ("Image compression by seam carving"). For part b, you must provide a dynamic programming solution, and show the 4 usual steps for your solution.