

Shortest Path Problem 3 & 4

Refer to the statement of the Shortest Path Problem in the “Handouts” section.

3. Modify the memoized version of your program so that it prints the actual shortest path as well as its cost. The path should be output as the sequence of rows to choose, going from left to right on the original cost array.
4. In the first 3 problems, you implemented a “top down” approach to solve the problem. Many dynamic programming problems may be solved quite simply from the “bottom up.” Write a program to solve the shortest path problem using a bottom up approach. The path should be output as the sequence of rows to choose, going from left to right on the original cost array.