1.3.1

For the last label

1.3.2

Using dynamic programming to solve this issue. Use a 2d array to keep track of the result of for all possible ys at all possible positions. Also store back pointers along the way.

1.3.3

This algorithm is just a dynamic programming algorithm with time complexity and space complexity . The time complexity is so because for every spot in the 2d array, we need to spend to calculate the maximum score and we have spots in the array. And the array takes space so the space complexity is

1.3.4