Problem 67 - Maximum Path Sum II

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This document originally appeared as a blog post on my website. Find it at gautammanohar.com/euler/67.

1 Problem Statement

By starting at the top of the triangle below and moving to adjacent numbers on the row below, the maximal total from top to bottom is 23.

$$\begin{array}{c} \mathbf{3} \\ \mathbf{7}\ \ 4 \\ 2\ \ \mathbf{4}\ \ 6 \\ 8\ \ 5\ \ \mathbf{9}\ \ 3 \end{array}$$

Figure 1. Note that $3 + 7 + 4 + 9 = 23$.

Find the maximum path length for a given such triangle with 100 rows.

2 My Algorithm

Please see Problem 18, which has an identical solution.