Given a triangle, find the minimum path sum from top to bottom. Each step you may move to adjacent numbers on the row below.

For example, given the following triangle

[

[**2**],

[**3**,4],

[6,**5**,7],

[4,**1**,8,3]

]

The minimum path sum from top to bottom is 11 (i.e., **2** + **3** + **5** + **1** = 11).

**Note:**

Bonus point if you are able to do this using only *O*(*n*) extra space, where *n* is the total number of rows in the triangle.