

Yandex (Hello Muscat Programming bootcamp 2019 by Moscow Workshops ICPC

Logout

Day 1 Div C. Dynamic Programming

9 Mar 2019, 20:45:53 start: 9 Mar 2019, 17:00:00 finish: 9 Mar 2019, 21:00:00

till the end: 00:14:04

start: 9 Mar 2019, 17:00:00 end: 9 Mar 2019, 21:00:00

duration: 04:00:00

D. Tortile

Time limit	1 second
Memory limit	64Mb
Input	standard input or input.txt
Output	standard output or output.txt

There is $N \times M$ rectangular grid. The turtle is in the leftmost top corner. Each cell of the grid contains a number. The turtle can make moves of two types: 1 step to the down or 1 step to the right in a move. The turtle finishes the path in the bottom rightmost cell. Let's calculate the sum of all numbers on visited cells (including the starting and finishing cell). Find the maximal possible value of this sum.

Input format

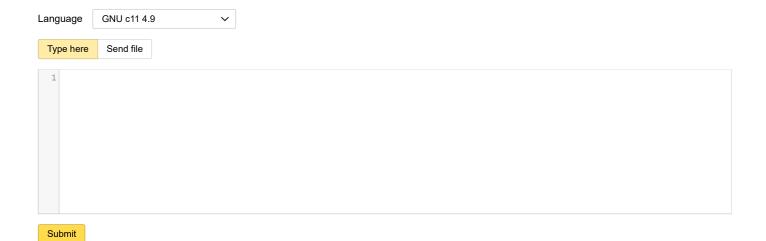
The first line contains two integer positive numbers N, M ($I \le N$, $M \le 100$). The following N lines contains the grid. Each of the lines contains Mintegers — numbers in the grid cells. All the numbers are integer and between θ and 239, inclusive.

Output format

Print the only number: maximal sum of all numbers on the turtle's path from the top leftmost cell to the bottom rightmost cell.

Sample

Input	Output
1 1	179
179	



3/9/2019

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