# 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 $N$, $M$ ($1 \le N,M \le 100$). The following $N$ lines contains the grid. Each of the lines contains $M$ integers — numbers in the grid cells. All the numbers are integer and between $0$ 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<br>179 | 179 |

Language GNU c11 4.9

Type here Send file

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1
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Submit

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