VSU COPP
A - ‘Matrix Element Sum’

Problem description

After becoming famous, the CodeBots decided to move into a new building together. Each of the rooms has a different cost, and some of them are free, but there's a rumour that all the free rooms are haunted! Since the CodeBots are quite superstitious, they refuse to stay in any of the free rooms, or any of the rooms below any of the free rooms.

Given $matrix$, a rectangular matrix of integers, where each value represents the cost of the room, your task is to return the total sum of all rooms that are suitable for the CodeBots (ie: add up all the values that don't appear below a 0).

Input

An x *and* y value representing the x x y size of matrix

A 2-dimensional array of integers representing the cost of each room in the building. A value of 0 indicates that the room is haunted.

Output

Print a single floating-point number, the median of the array. The total price of all the rooms that are suitable for the CodeBots to live in.

Constraints

- $1 \leq x \leq 5$,
- $1 \leq y \leq 5$,
- $0 \leq matrix[x][y] \leq 10$.

Sample input/output

Sample input and output for this problem:

Input	Output
5 3 3 4 0 3 4 2 5 3 3 1 0 4 4 3 0	27
3 3 5 4 3 4 1 0 0 5 2	22

Problem Credits

- **Code Signal**
- https://app.codesignal.com/arcade/intro/level-2/xskq4ZxLyqQMCLshr