# Problem 2 – Stability Check

You are contracted by a building company to survey a piece of land and find out the most stable place for their building. You are given a map of the land represented as a matrix of numbers (where each number represents the stability of that cell) and the size of the building **B**.

Your task is to find the most stable area (**the square with biggest sum**) of **B** size in the matrix.

#### Input

* On the first input line you will receive an integer **B** – the size of the building.
* On the second input line you will receive an integer **N** – the size of the matrix.
* On each of the next N lines you’ll receive a row from the matrix where each value is seperated by a single space.

#### Output

* On the single output line you should print the **sum** **of the cells** that form the most stable (the one with the biggest sum) square of **B** size in the matrix.

#### Constraints

* The size of the matrix **N** will be a valid integer between **[1…300].**
* The size of the building **B** will be a valid integer between **[1…N]**.
* The value of each cell will be a valid integer between **[-232…232].**
* Time limit: **100 ms**. Allowed memory: **32 MB**.

#### Examples

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |
| 2  3  8 1 2  5 4 3  6 7 1 | 22 |  | 3  4  3 7 -11 4  1 5 15 2  3 9 -9 6  -7 4 8 8 | 48 |