# Lab: Multidimensional Lists

Problems for in-class lab for the [Python Advanced Course @SoftUni](https://softuni.bg/courses/python-advanced). Submit your solutions in the SoftUni judge system at <https://judge.softuni.bg/Contests/1834>

## Square with Maximum Sum

Write a program that **read a matrix** from console. Find biggest sum of **2x2 submatrix** and print it to console.

### Input

On first line you will get matrix sizes in format **rows, columns.**

One next **rows** lines you will get elements for each **column** separated with coma.

### Output

Print **biggest top-left** square, which you find and sum of its elements.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 3, 6  7, 1, 3, 3, 2, 1 1, 3, 9, 8, 5, 6 4, 6, 7, 9, 1, 0 | 9 8  7 9  33 |
| 2, 4  10, 11, 12, 13  14, 15, 16, 17 | 12 13  16 17  58 |

### Hints

* Be aware of **IndexError**
* If you find more than one max square, print the top-left one