



(/en/),  
v1.1.0

CSD Testing System

(/en/)

# The maximal element among columns' minimal elements

Cost: 2 | Solved: 63

**Memory limit:** 256 MBs

**Time limit:** 1 s

**Input:** input.txt

**Output:** output.txt

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## Task:

You are given a matrix. Find its maximal element among columns' minimal elements.

*All columns are vertical.*

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## Input:

The first line contains two natural numbers  $n$  and  $m$  ( $n \leq 1000$ ,  $m \leq 100$ ) – the quantity of rows and columns of the matrix.

The next  $n$  lines contain  $m$  integer numbers – the values of the matrix elements.

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## Output:

The maximal element among columns' minimal elements.

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## Example:

Input	Output
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3 3 1 2 3 4 5 6 7 8 9	3
1 1 -1	-1