

# Largest Area in Matrix

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Write a program that finds the largest area of equal neighbour elements in a rectangular matrix and prints its size.

## Input

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- On the first line you will receive the numbers **N** and **M** separated by a single space
- On the next **N** lines there will be **M** numbers separated with spaces - the elements of the matrix

## Output

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- Print the size of the largest area of equal neighbour elements

## Constraints

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- $3 \leq N, M \leq 1024$
- Time limit: **0.35s**
- Memory limit: **24MB**

## Sample tests

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Input	Output
5 6	13
1 3 2 2 2 4	
3 3 3 2 4 4	
4 3 1 2 3 3	
4 3 1 3 3 1	
4 3 3 3 1 1	

\_Hint: you can use the algorithm [Depth-first search](#) or [Breadth-first search](#).\_