There is a minesweeper grid of size **AxB**, where **M** denotes a Mine and **N** denotes a neutral ground. Find the two largest plus(+) sign that can be formed by avoiding the mines and display the product of their areas, if area of 1 **N** is 1.

**Note :-** The two pluses should not overlap.

**Function Description**

The first line of input will provide **A** and **B**.

The next **A** number of lines of input will provide the values of each row in the Matrix.

Display the product of the two largest plus(+) signs that can be formed by avoiding the mines.

**Input Format**

5 6

NNNNNN

NMMMNM

NNNNNN

NNMMNM

NNNNNN

**Output Format**

5

**Sample Input**

6 6

MNMMNM

NNNNNN

MNMMNM

NNNNNN

MNMMNM

MNMMNM

**Sample Output**

25

**Explanation**

There are two pluses of area 5, hence both of them are the 2 largest pluses in the field, the product of two 5 is 25.