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All Contests > Mid Term Exam | Introduction to Algorithms | Batch 03 > Area of Component

Area of Component

Problem	Submissions	Leaderboard	Discussions	

Problem Statement

You will be given a 2D matrix of size **NxM** which will contain only dot(.) and minus(-) where dot(.) means you can go in that cell and minus(.) means you can't.

You can move in only 4 directions (Up, Down, Left and Right).

The area of a component is the number of dots(.) in that component that can be accessible. You need to tell the minimum area of all available components.

Note: If there are no components, print -1.

Input Format

- First line will contain N and M.
- Next you will be given the 2D matrix.

Constraints

1.1 <= N, M <= 1000

Output Format

• Output the minimum area.

Sample Input 0

6 5 ..-.. ----.-...

Sample Output 0

3

Sample Input 1

3 3

Sample Output 1

-1

```
f ⊌ in
                                                                                                           Submissions: 167
                                                                                                           Max Score: 20
                                                                                                           Difficulty: Easy
                                                                                                           Rate This Challenge:
                                                                                                           \triangle \triangle \triangle \triangle \triangle \triangle
                                                                                                           More
                                                                                             C++20
                                                                                                                                   \Diamond
   1 ▼#include <bits/stdc++.h>
   2
   3
       using namespace std;
   4
   5
   6
   7
       int main()
   8 ▼{
            // Write your code here
   9
  10
  11
            return 0;
  12 }
  13
                                                                                                                          Line: 1 Col: 1
<u>♣ Upload Code as File</u> Test against custom input
                                                                                                         Run Code
                                                                                                                          Submit Code
```

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