# Area of Component

Problem Submissions Leaderboard Discussions

### Problem Statement

You will be given a 2D matrix of size $N \times M$ 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. $1 \leq N, M \leq 10^3$

### Output Format

- Output the minimum area.

### Sample Input 0

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

### Sample Output 0

```
3
```

### Sample Input 1

```
3 3
---
---
---
```

Sample Output 1

```
-1
```

Submissions: 96
Max Score: 25
Difficulty: Easy

Rate This Challenge:

More

C++20

```cpp
#include <bits/stdc++.h>

using namespace std;



int main()
{
    // Write your code here

    return 0;
}

```

Line: 1 Col: 1

Upload Code as File  Test against custom input  Run Code  Submit Code