Area of Component

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
```

Submissions: 167
Max Score: 20
Difficulty: Easy

Rate This Challenge:

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C++20

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

using namespace std;


int main()
{
    // Write your code here

    return 0;
}

```

Line: 1 Col: 1

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