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Count Apartments

Problem Submissions Leaderboard Discussions

Problem Statement

You are given an $N \times M$ sized 2D matrix that represents a map of a building. Each cell represents a wall or a room. The connected rooms are called apartments. Your task is to count the number of apartments in that building. You can walk **left**, **right**, **up**, and **down** through the room cells. You can't pass through walls.

Input Format

- The first input line has two integers N and M: the height and width of the map.
- Then there are N lines of M characters describing the map. Each character is either .(room) or #(wall).

Constraints

1. $1 \leq N, M \leq 1000$

Output Format

- Output the number of apartments

Sample Input 0

```
5 8
########
#..#...#
####.#.#
#..#...#
########
```

Sample Output 0

```
3
```

Sample Input 1

```
6 8
.#.#####
.#.###..
#..#...#
#.##....
```

```
..##.###
#.#.##.#
```

Sample Output 1

```
5
```

Submissions: 395
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

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