Count Apartments II

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 rooms in each of the apartments in that building. You can walk **left**, **right**, **up**, and **down** through the room cells. You can't pass through walls.

You need to print the count of the rooms in ascending order. If there are no apartments available in that building, then you should print 0.

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 rooms in each of the apartments in ascending order.

Sample Input 0

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

Sample Output 0

```
2 2 8
```

Sample Input 1

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

Sample Output 1

```
1 1 2 8 10
```

Submissions: 385
Max Score: 20
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