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# Count Apartments II

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 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  $\mathbf{0}$ .

## **Input Format**

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

### Constraints

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

# **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

 1 1 2 8 10

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

f ⊌ in

Submissions: 385

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