

## 547. Number of Provinces

Medium

8K

304



Companies

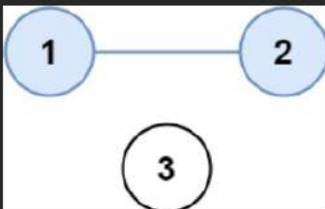
There are  $n$  cities. Some of them are connected, while some are not. If city  $a$  is connected directly with city  $b$ , and city  $b$  is connected directly with city  $c$ , then city  $a$  is connected indirectly with city  $c$ .

A **province** is a group of directly or indirectly connected cities and no other cities outside of the group.

You are given an  $n \times n$  matrix `isConnected` where `isConnected[i][j] = 1` if the  $i^{\text{th}}$  city and the  $j^{\text{th}}$  city are directly connected, and `isConnected[i][j] = 0` otherwise.

Return the total number of **provinces**.

Example 1:



Input: `isConnected = [[1,1,0],[1,1,0],[0,0,1]]`

Output: 2

Example 2:



Java Auto

```

18
19     visited[node] = true;
20     // dfs on neighbors
21     int[] matrix = graph[node];
22     for (int i = 0; i < matrix.length; i++) {
23         if (i == node) continue;
24         if (matrix[i] == 1) {
25             // is neighbor
26             dfs(graph, i, visited);
27         }
28     }
29 }
30 }
31
  
```

Testcase Result

Accepted Runtime: 0 ms

Case 1 Case 2

Input

`isConnected =`  
`[[1,1,0],[1,1,0],[0,0,1]]`

Output

2

Expected

2

Console



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Description

Editorial

Solutions (12.3K)

Submissions

## 66. Plus One

Easy



7.3K

4.9K



Companies

You are given a **large integer** represented as an integer array `digits`, where each `digits[i]` is the  $i^{\text{th}}$  digit of the integer. The digits are ordered from most significant to least significant in left-to-right order. The large integer does not contain any leading `0`'s.

Increment the large integer by one and return *the resulting array of digits*.

## Example 1:

**Input:** `digits = [1,2,3]`**Output:** `[1,2,4]`**Explanation:** The array represents the integer 123.Incrementing by one gives  $123 + 1 = 124$ .Thus, the result should be `[1,2,4]`.

## Example 2:

**Input:** `digits = [4,3,2,1]`**Output:** `[4,3,2,2]`**Explanation:** The array represents the integer 4321.Incrementing by one gives  $4321 + 1 = 4322$ .Thus, the result should be `[4,3,2,2]`.

## Example 3:

**Input:** `digits = [9]`**Output:** `[1,0]`**Explanation:** The array represents the integer 9.Incrementing by one gives  $9 + 1 = 10$ .Thus, the result should be `[1,0]`.

Java Auto

```
1 class Solution {
2     public int[] plusOne(int[] digits) {
3         int n = digits.length;
4         for(int i=n-1; i >=0; i--){
5             if(digits[i] !=9){
6                 digits[i]++;
7                 break;
8             }else{
9                 digits[i] = 0;
10            }
11        }
12        if (digits[0] == 0){
13            int[] res = new int[n+1];
```

Testcase

Result

Accepted Runtime: 0 ms

Case 1

Case 2

Case 3

Input

digits =  
[1,2,3]

Output

[1,2,4]

Expected

[1,2,4]

Console



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[Description](#)[Editorial](#)[Solutions \(11.4K\)](#)[Submissions](#)

## 58. Length of Last Word

Easy

3.3K

174



Companies

Given a string `s` consisting of words and spaces, return the length of the **last** word in the string.

A word is a maximal **substring** consisting of non-space characters only.

### Example 1:

**Input:** `s = "Hello World"`**Output:** 5**Explanation:** The last word is "World" with length 5.

### Example 2:

**Input:** `s = " fly me to the moon "`**Output:** 4**Explanation:** The last word is "moon" with length 4.

### Example 3:

**Input:** `s = "luffy is still joyboy"`**Output:** 6**Explanation:** The last word is "joyboy" with length 6.

### Constraints:

- `1 <= s.length <= 104`
- `s` consists of only English letters and spaces `' '`.

Java | Auto

```
1 class Solution {
2     public int lengthOfLastWord(String s) {
3         String str=s.trim();
4         int count=0;
5         for(int i=str.length()-1;i>=0;i--){
6             if(str.charAt(i)!=' '){
7                 count++;
8             }
9             else{
10                break;
11            }
12        }
13        return count;
14    }
15 }
```

Testcase

Result

Accepted

Runtime: 0 ms

Case 1

Case 2

Case 3

Input

`s =`  
`"Hello World"`

Output

5

Expected

5

Console

Run

Submit