

1h 19m
left

ALL



1

2

Every row corresponds to a subscriber and the value $M[i][j]$ determines if j has gifted a book by i . In the above example, user 1 has gifted a book to user 2 so they are connected. While person 2 has not received a book from anyone or gifted book to anyone. Therefore, there are 2 groups.

$M[i][j] = 1$ if $i == j$ (Each person is known to self)

Determine the number of groups represented in the matrix.

Note: The method signatures may vary slightly depending on the requirements of the chosen language. For example, C++ language will have an argument that represents the number of rows and columns in the matrix. Java will receive a list of lists rather than an array.

Function Description
Complete the function `countGroups` in the editor below.

`countGroups` has the following parameter(s):
`int related[n]:` an array of strings of binary digits representing connections of people

Language Java 8

Environment

Autocomplete
Ready

```
1  import java.io.*; ...
14
15  class Result {
16
17      /*
18       * Complete the 'countGroups' function
19       *
20       * The function is expected to return an integer
21       * The function accepts STRING_ARRAY related as parameter
22       */
23
24      public static int countGroups(List<String> related) {
25          // Write your code here
26
27      }
28
29  }
30
31  public class Solution { ...
```

Line: 23 Col: 1



Test Results

Custom Input