Function Description

Complete the separateNumbers function in the editor below.

separateNumbers has the following parameter:

. s: an integer value represented as a string

Prints

- string: Print a string as described above. Return nothing.

Input Format

The first line contains an integer q, the number of strings to evaluate.

Each of the next q lines contains an integer string s to query.

Constraints

- $1 \le q \le 10$
- $1 \le |s| \le 32$
- $s[i] \in [0-9]$

Sample Input 0

```
7
1234
91011
99100
101103
610203
13
```

```
if(s.equals(validString))
V
              isValid = true;
             break:
     System.out.println(isValid ? "YES" + subString : "NO");
∨ public class Solution
     public static void main(String[] args) throws IOException {
          BufferedReader bufferedReader = new BufferedReader(new InputStreamReader
  (System.in));
          int q = Integer.parseInt(bufferedReader.readLine().trim());
          for (int altr = 0: altr < q: altr++) {
              String s = bufferedReader.readLine();
                                                                        Line: 58 Col: 1
```

validString+=Long.toString(++num);

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Run Code

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A numeric string, s, is beautiful if it can be split into a sequence of two or more positive integers, $a[1], a[2], \ldots, a[n]$, satisfying the following conditions:

1. a[i] - a[i-1] = 1 for any $1 < i \le n$ (i.e., each element in the sequence is 1more than the previous element).

2. No a[i] contains a leading zero. For example, we can split s=10203 into the sequence {1,02,03}, but it is not beautiful because 02 and 03 have leading zeroes.

3. The contents of the sequence cannot be rearranged. For example, we can split

s=312 into the sequence $\{3,1,2\}$, but it is not beautiful because it breaks our first constraint (i.e., $1-3 \neq 1$).

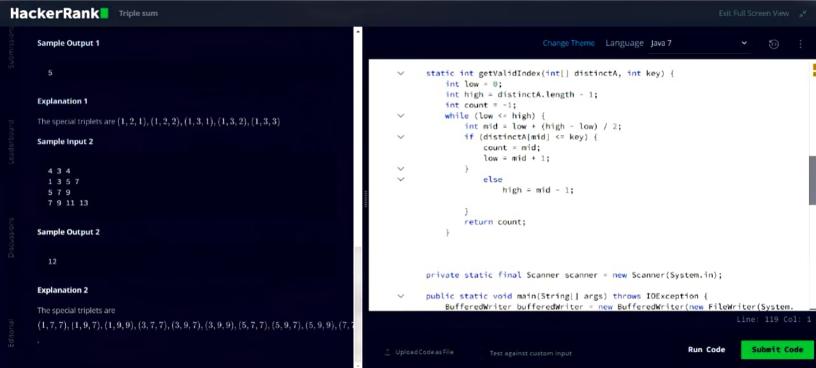
The diagram below depicts some beautiful strings:

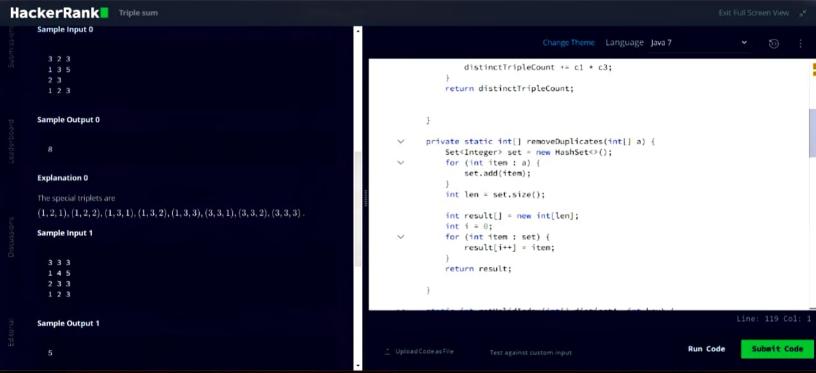
```
"1234" = "1" + "2" + "3" + "4"
"91011" = "9" + "10" + "11"
"99100" = "99" + "100"
```

Perform q queries where each query consists of some integer string s. For each query, print whether or not the string is beautiful on a new line. If it is beautiful, print YES x. where x is the first number of the increasing sequence. If there are multiple such

```
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  import java.io.*:
  import java.math.*;
  import java.security.*:
  import java.text.*;
  import java.util.*;
  import java.util.concurrent. :;
  import java.util.regex.*:
∨ class Result {
       * Complete the 'separateNumbers' function below.
       * The function accepts STRING s as parameter.
      public static void separateNumbers(String s)
      // Write your code here
          String subString = "";
          boolean isValid = false:
          for(int i=1:i<=s.length()/2:i++)
              subString = s.substring(0,i);
              Long num = Long.parseLong(subString):
              String validString = subString;
              while(validString.length() < s.length());</pre>
```

Line: 58 Col: 1





Given 3 arrays a, b, c of different sizes, find the number of distinct triplets (p, q, r)where p is an element of a, written as $p \in a$, $q \in b$, and $r \in c$, satisfying the criteria: $p \le q$ and $q \ge r$.

For example, given a = [3, 5, 7], b = [3, 6], and c = [4, 6, 9], we find four distinct triplets: (3, 6, 4), (3, 6, 6), (5, 6, 4), (5, 6, 6).

Function Description

Complete the triplets function in the editor below. It must return the number of distinct triplets that can be formed from the given arrays.

triplets has the following parameter(s):

. a, b, c: three arrays of integers

Input Format

The first line contains 3 integers lena, lenb, and lenc, the sizes of the three arrays. The next 3 lines contain space-separated integers numbering lena, lenb, and lenc respectively.

Constraints

 $1 \le lena, lenb, lenc \le 10^5$ $1 \le \text{ all elements in } a, b, c \le 10^8$

Output Format

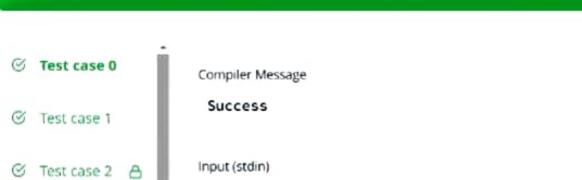
Print an integer representing the number of distinct triplets.

Change Theme Language Java 7 import java.jo.*: import java.math.*: import java.security.*; import java.text.*: import java.util.*: import java.util.concurrent.*: import java.util.regex.*; v public class Solution { // Complete the triplets function below. static long triplets(int[] a, int[] b, int[] c) { long distinctTripleCount = 0: int[] distinctA = removeDuplicates(a); int[] distinctB = removeDuplicates(b); int[] distinctC = removeDuplicates(c); Arrays.sort(distinctA); Arrays.sort(distinctB): Arrays.sort(distinctC); for(int q : distinctB) long c1 = getValidIndex(distinctA, q) + 1; long c3 = getValidIndex(distinctC, q) + 1;

Submit Code

Congratulations

You solved this challenge. Would you like to challenge your friends? If 💟 in









Test case 5



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Expected Output

Congratulations

You solved this challenge. Would you like to challenge your friends? f in

Test case 0

Test case 1

Test case 2 A

Test case 3

Test case 4 A

Test case 5 A

Test case 6

Compiler Message Success

Input (stdin)

0 1

Expected Output

1

2

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