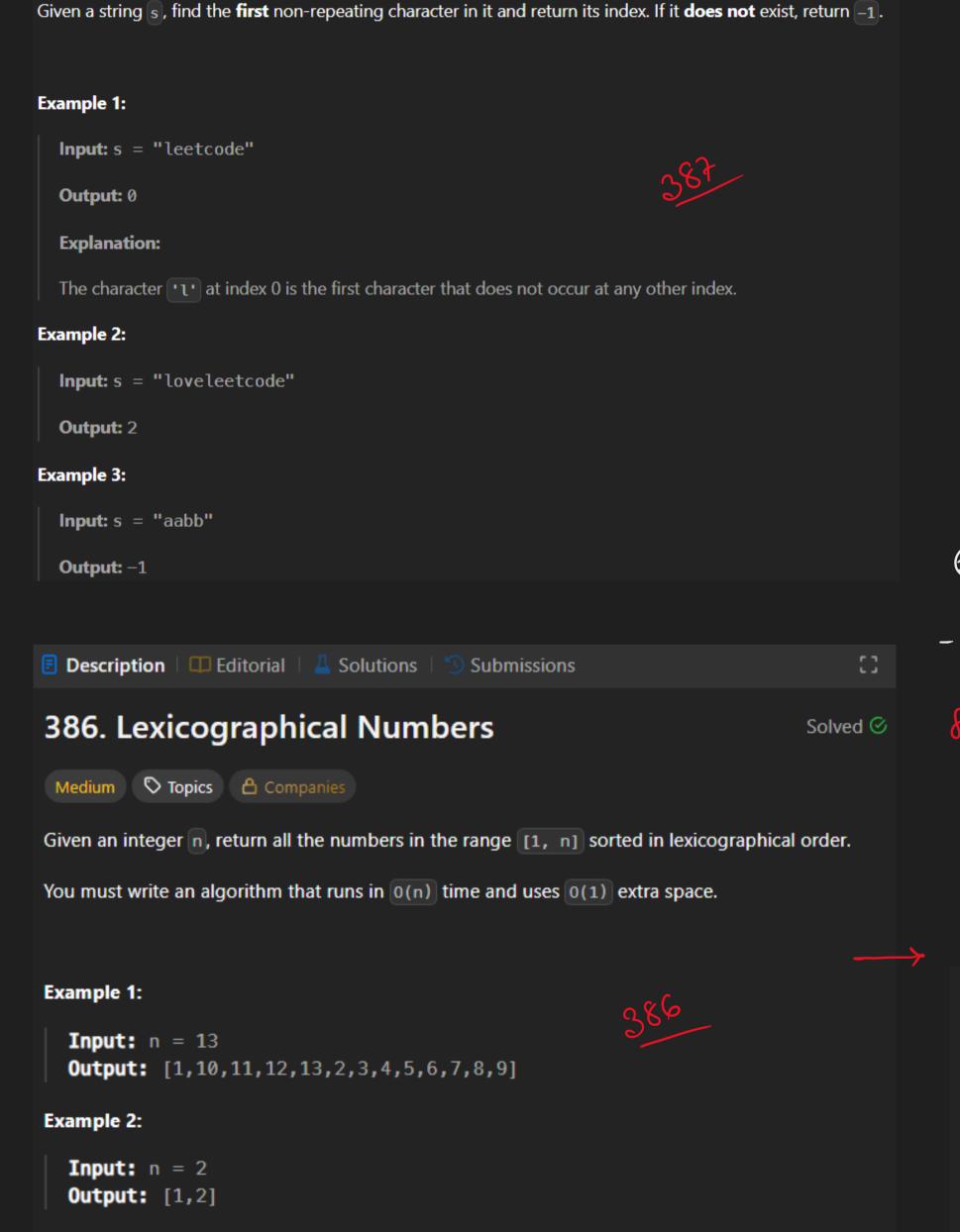
Weekly Contest - Warmup



387. First Unique Character in a String

Constraints:

• $1 <= n <= 5 * 10^4$

```
count frequency of each character
    1 \simclass Solution \{
            public int firstUniqChar(String s) {
                int[] freq = new int[26];
                for (char c : s.toCharArray())
                   freq[c-'a']++;
                for (int i=0; i<s.length(); i++)</pre>
                   if (freq[s.charAt(i)-'a'] == 1)
                       return i
                return -1;
                                                          (unw > n) return
   for (nom 21; num (10; num++)
           Here ( arr, nam, n)
1 class Solution {
      public List<Integer> lexicalOrder(int n) {
           List<Integer> answer = new ArrayList<>();
           for (int number = 1; number <= 9; number++)</pre>
              solve(answer, number, n);
           return answer;
       private void solve(List<Integer> answer, int number, int n) {
```

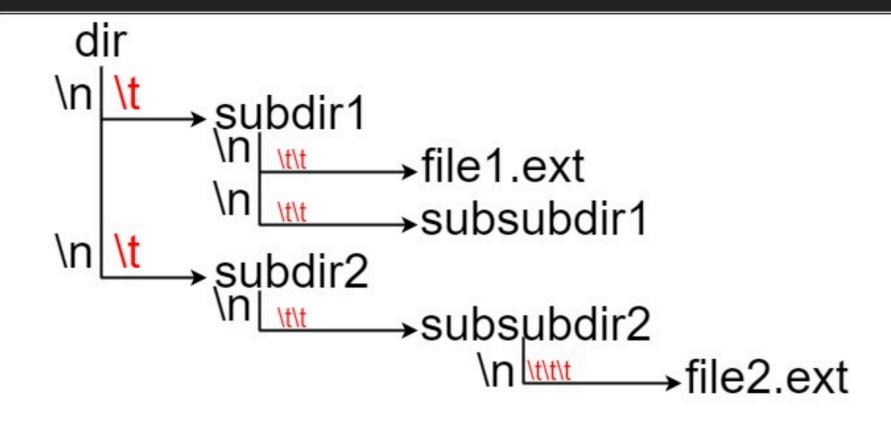
```
picture:
```

```
if (number > n) return;
           answer.add(number);
            number *= 10;
           for (int i=0; i<=9; i++) {
               if (number+i > n) return;
               solve(answer, number+i, n);
18 }
```

388. Longest Absolute File Path

Medium ♥ Topics 🖨 Companies

Suppose we have a file system that stores both files and directories. An example of one system is represented in the following



contains a file file1.ext and subdirectory subsubdir1. subdir2 contains a subdirectory subsubdir2, which contains a file file2.ext.

In text form, it looks like this (with \rightarrow representing the tab character):

```
dir \longrightarrow LO
→ subdir1 —→ L1
\rightarrow \rightarrow file1.ext \rightarrow \iota
\rightarrow \rightarrow subsubdir1 \rightarrow
→ subdir2 → L
\rightarrow \rightarrow subsubdir2 \longrightarrow L2
\rightarrow \rightarrow \rightarrow \rightarrow file2.ext \rightarrow \bot
```

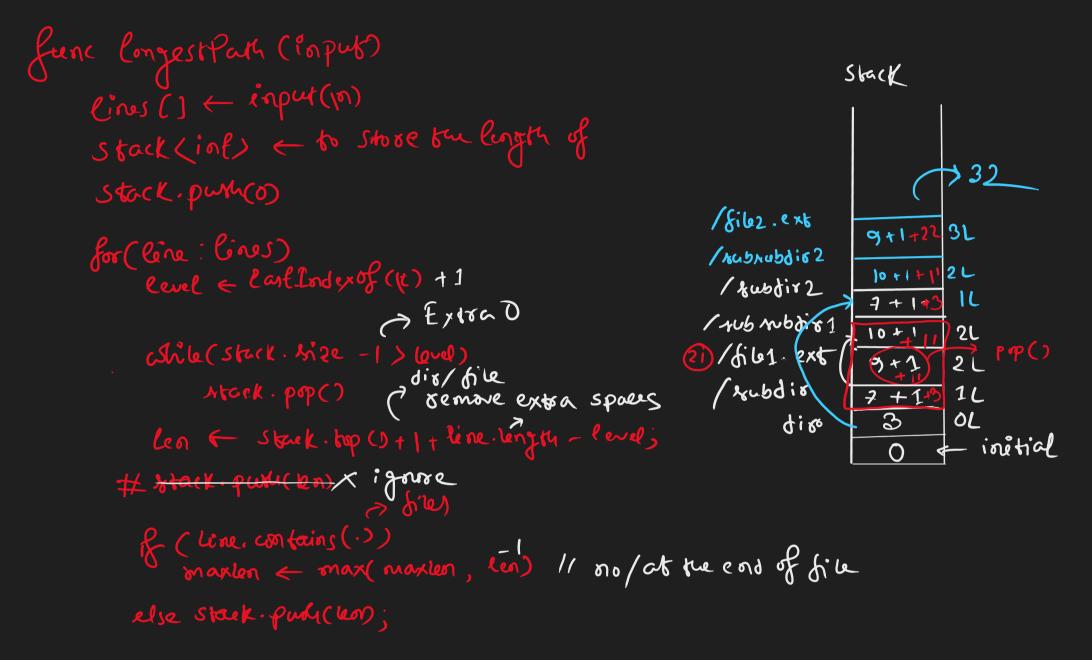
If we were to write this representation in code, it will look like this:

"dir\n\tsubdir1\n\t\tfile1.ext\n\t\tsubsubdir1\n\tsubdir2\n\t\tsubsubdir2\n\t\tfile2.ext". Note that the '\n' and '\t' are the new-line and tab characters.

Every file and directory has a unique absolute path in the file system, which is the order of directories that must be opened to reach the file/directory itself, all concatenated by '/'s'. Using the above example, the absolute path to file2.ext is "dir/subdir2/subsubdir2/file2.ext". Each directory name consists of letters, digits, and/or spaces. Each file name is of the form name.extension, where name and extension consist of letters, digits, and/or spaces.

Given a string input representing the file system in the explained format, return the length of the longest absolute path to a **file** in the abstracted file system. If there is no file in the system, return 0.

Note that the testcases are generated such that the file system is valid and no file or directory name has length 0.



public static int lengthLongestPath(String input) { 2 usages String[] lines = input.split(regex: "\n"); int maxLen = 0; Stack<Integer> stack = new Stack<>(); stack.push(item: 0); for (String line : lines) { System.out.println(line); int level = line.lastIndexOf(str: "\t") + 1; while (stack.size()-1 > level) int length = stack.peek() + 1 + line.length() - level; maxLen = Math.max(maxLen, length-1); // no / at the end of file