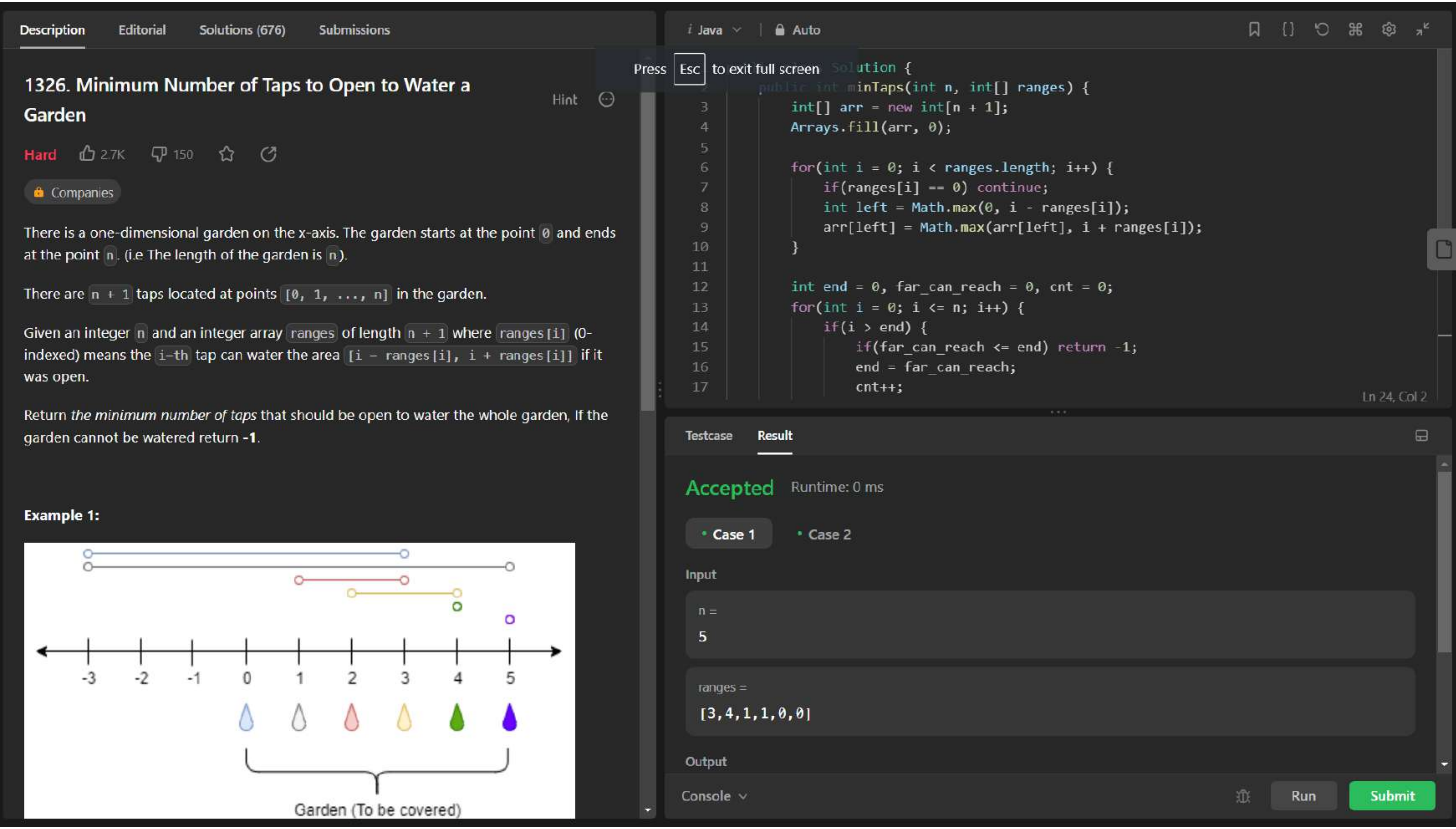


1326. Minimum Number of Taps to Open to Water a Garden

There is a one-dimensional garden on the x-axis. The garden starts at the point `0` and ends at the point `n`. (i.e The length of the garden is `n`).

There are `n + 1` taps located at points `[0, 1, ..., n]` in the garden.

Given an integer `n` and an integer array `ranges` of length `n + 1` where `ranges[i]` (0-indexed) means the `i-th` tap can water the area `[i - ranges[i], i + ranges[i]]` if it was open.

Return *the minimum number of taps* that should be open to water the whole garden, If the garden cannot be watered return **-1**.

Example 1:

```java
        Solution {
    public int minTaps(int n, int[] ranges) {
        int[] arr = new int[n + 1];
        Arrays.fill(arr, 0);

        for(int i = 0; i < ranges.length; i++) {
            if(ranges[i] == 0) continue;
            int left = Math.max(0, i - ranges[i]);
            arr[left] = Math.max(arr[left], i + ranges[i]);
        }

        int end = 0, far_can_reach = 0, cnt = 0;
        for(int i = 0; i <= n; i++) {
            if(i > end) {
                if(far_can_reach <= end) return -1;
                end = far_can_reach;
                cnt++;
```

Accepted Runtime: 0 ms

Input

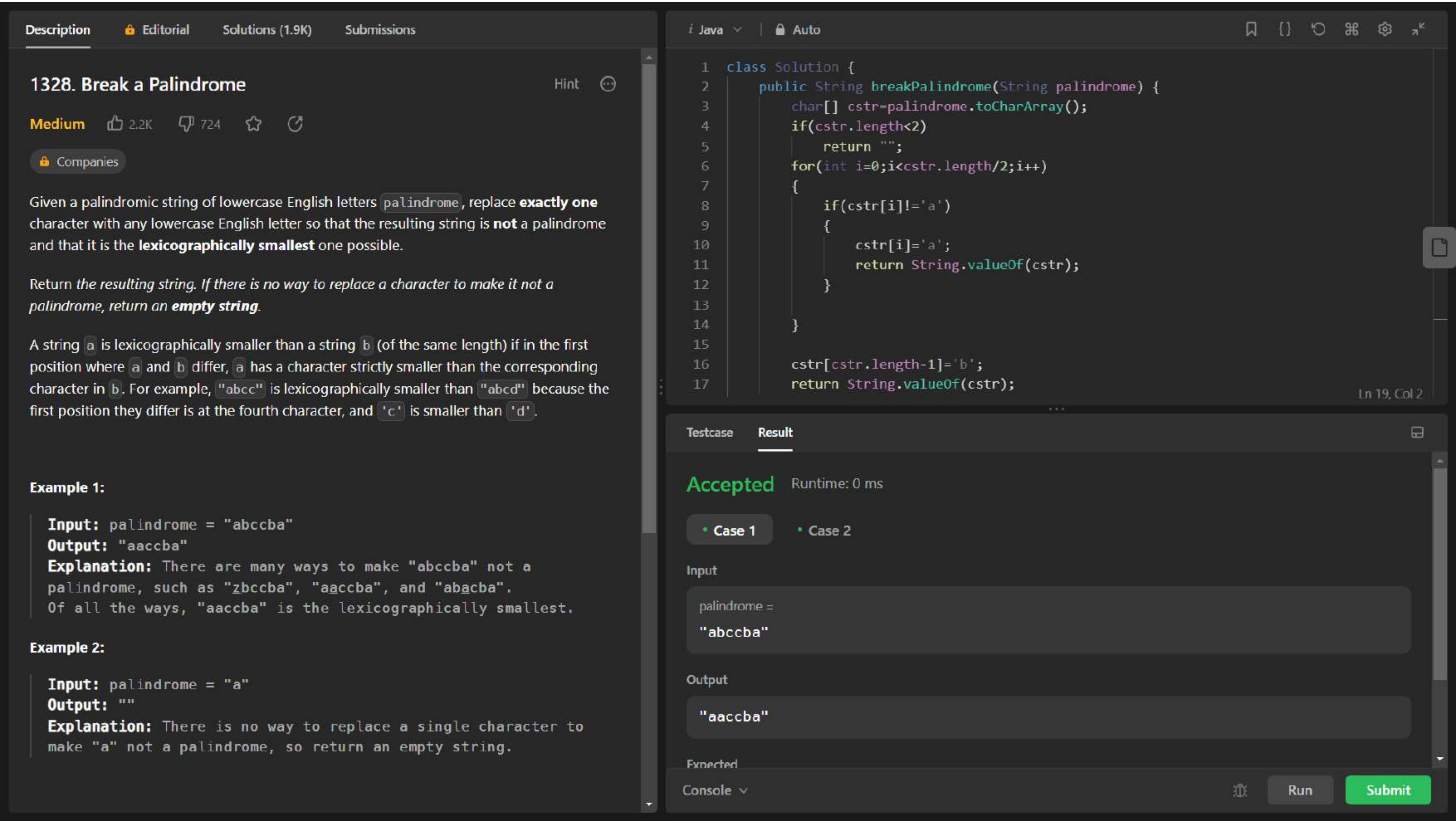
n =

5

ranges =

[3,4,1,1,0,0]

Output



1328. Break a Palindrome

Given a palindromic string of lowercase English letters `palindrome`, replace **exactly one** character with any lowercase English letter so that the resulting string is **not** a palindrome and that it is the **lexicographically smallest** one possible.

Return *the resulting string. If there is no way to replace a character to make it not a palindrome, return an **empty string**.*

A string `a` is lexicographically smaller than a string `b` (of the same length) if in the first position where `a` and `b` differ, `a` has a character strictly smaller than the corresponding character in `b`. For example, `"abcc"` is lexicographically smaller than `"abcd"` because the first position they differ is at the fourth character, and `'c'` is smaller than `'d'`.

Example 1:

```
Input: palindrome = "abccba"
Output: "aaccba"
Explanation: There are many ways to make "abccba" not a
palindrome, such as "zbccba", "aaccba", and "abacba".
Of all the ways, "aaccba" is the lexicographically smallest.
```

Example 2:

```
Input: palindrome = "a"
Output: ""
Explanation: There is no way to replace a single character to
make "a" not a palindrome, so return an empty string.
```

```java
class Solution {
    public String breakPalindrome(String palindrome) {
        char[] cstr=palindrome.toCharArray();
        if(cstr.length<2)
            return "";
        for(int i=0;i<cstr.length/2;i++)
        {
            if(cstr[i]!='a')
            {
                cstr[i]='a';
                return String.valueOf(cstr);
            }

        }

        cstr[cstr.length-1]='b';
        return String.valueOf(cstr);
```

Accepted Runtime: 0 ms

• Case 1 • Case 2

Input

palindrome =

"abccba"

Output

"aaccba"

Expected