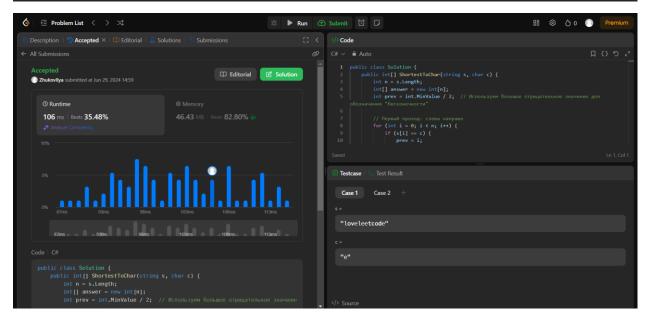
```
821. Shortest Distance to a Character
                                                                                Solved ©
Given a string s and a character c that occurs in s, return an array of integers answer where answer, length ==
s.length and answer[i] is the distance from index i to the closest occurrence of character c in s.
The distance between two indices i and j is abs(i - j), where abs is the absolute value function.
Example 1:
  Input: s = "loveleetcode", c = "e"
  Output: [3,2,1,0,1,0,0,1,2,2,1,0]
  Explanation: The character 'e' appears at indices 3, 5, 6, and 11 (0-indexed).
 The closest occurrence of 'e' for index 0 is at index 3, so the distance is abs(0
 The closest occurrence of 'e' for index 1 is at index 3, so the distance is abs(1
  -3) = 2.
 For index 4, there is a tie between the 'e' at index 3 and the 'e' at index 5,
 but the distance is still the same: abs(4 - 3) == abs(4 - 5) = 1.
  The closest occurrence of 'e' for index 8 is at index 6, so the distance is abs(8
Example 2:
  Input: s = "aaab", c = "b"
  Output: [3,2,1,0]
```



```
Код:
```

```
using System;
public class Solution
{
    public int[] ShortestToChar(string s, char c)
    {
        int n = s.Length;
}
```

```
int[] answer = new int[n];
int prev = int.MinValue / 2; // Используем большое отрицательное значение
для обозначения "бесконечности"
        // Первый проход: слева направо
        for (int i = 0; i < n; i++)</pre>
             if(s[i] == c)
                 prev = i;
            }
            answer[i] = i - prev;
        }
        prev = int.MaxValue / 2; // Используем большое положительное значение для
обозначения "бесконечности"
        // Второй проход: справа налево
        for (int i = n - 1; i \ge 0; i--)
             if (s[i] == c)
                 prev = i;
             answer[i] = Math.Min(answer[i], prev - i);
        }
        return answer;
    }
}
```