771. Jewels and Stones

Solved

Easy | Topics | Companies | Hint

You're given strings `jewels` representing the types of stones that are jewels, and `stones` representing the stones you have. Each character in `stones` is a type of stone you have. You want to know how many of the stones you have are also jewels.

Letters are case sensitive, so `"a"` is considered a different type of stone from `"A"`.

Example 1:

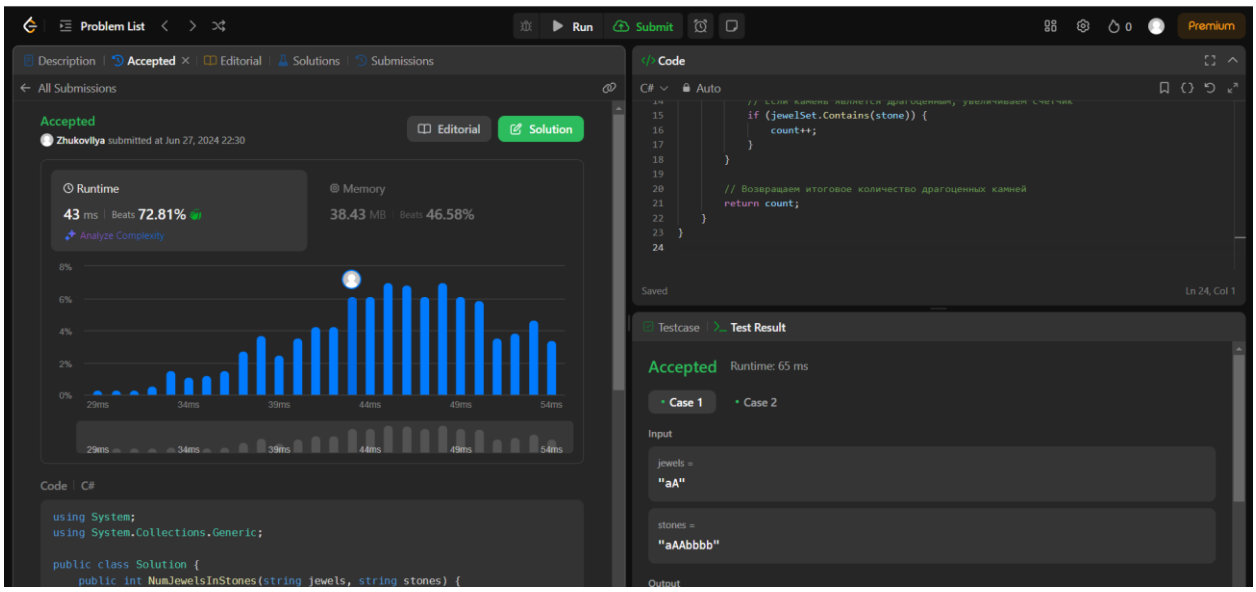
> **Input:** jewels = "aA", stones = "aAAbbbb"
> **Output:** 3

Example 2:

> **Input:** jewels = "z", stones = "ZZ"
> **Output:** 0

Constraints:

- `1 <= jewels.length, stones.length <= 50`
- `jewels` and `stones` consist of only English letters.



Код:

```
using System;
using System.Collections.Generic;

public class Solution
{
    public int NumJewelsInStones(string jewels, string stones)
    {
```

```
        // Создаем HashSet для типов драгоценных камней
        HashSet<char> jewelSet = new HashSet<char>(jewels);

        // Инициализируем счетчик для подсчета количества драгоценных камней
        int count = 0;

        // Проходим по каждому камню в строке stones
        foreach (char stone in stones)
        {
            // Если камень является драгоценным, увеличиваем счетчик
            if (jewelSet.Contains(stone))
            {
                count++;
            }
        }

        // Возвращаем итоговое количество драгоценных камней
        return count;
    }
}
```