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961. N-Repeated Element in Size 2N Array

Solved

Easy | Topics | Companies

You are given an integer array `nums` with the following properties:

- `nums.length == 2 * n`.
- `nums` contains `n + 1` **unique** elements.
- Exactly one element of `nums` is repeated `n` times.

Return *the element that is repeated* `n` *times.*

Example 1:

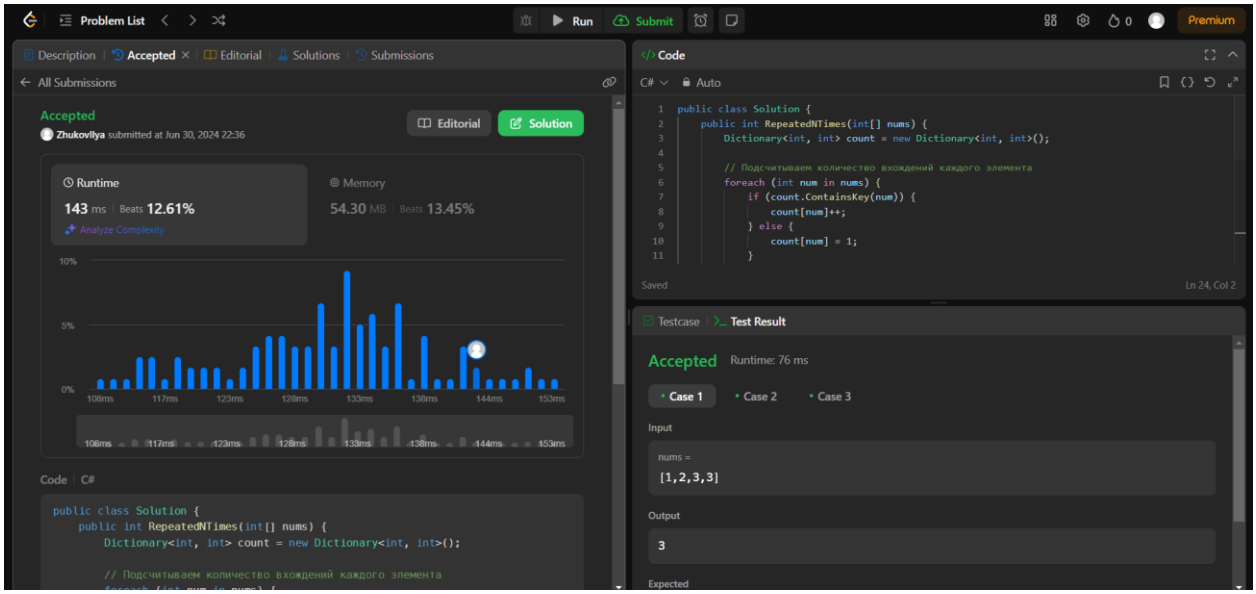
```
Input: nums = [1,2,3,3]
Output: 3
```

Example 2:

```
Input: nums = [2,1,2,5,3,2]
Output: 2
```

Example 3:

```
Input: nums = [5,1,5,2,5,3,5,4]
Output: 5
```



Код:

```
using System.Collections.Generic;

public class Solution
{
    public int RepeatedNTimes(int[] nums)
```

```
    {
        Dictionary<int, int> count = new Dictionary<int, int>();

        // Подсчитываем количество вхождений каждого элемента
        foreach (int num in nums)
        {
            if (count.ContainsKey(num))
            {
                count[num]++;
            }
            else
            {
                count[num] = 1;
            }
        }

        // Находим элемент, который встречается n раз
        foreach (KeyValuePair<int, int> pair in count)
        {
            if (pair.Value == nums.Length / 2)
            {
                return pair.Key;
            }
        }

        // Если такой элемент не найден (это должно быть невозможно по условиям
задачи), возвращаем -1
        return -1;
    }
}
```