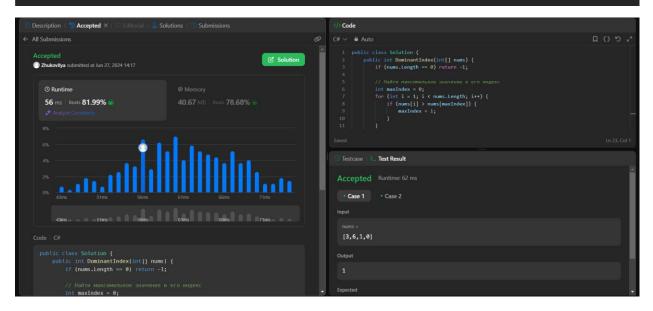
```
747. Largest Number At Least Twice of Others
                                                                                     Solved ©
Easy 🗘 Topics 🙃 Companies 🗘 Hint
You are given an integer array nums where the largest integer is unique.
Determine whether the largest element in the array is at least twice as much as every other number in the array.
If it is, return the index of the largest element, or return 1 otherwise.
Example 1:
  Input: nums = [3,6,1,0]
  Output: 1
  Explanation: 6 is the largest integer.
  For every other number in the array x, 6 is at least twice as big as x.
  The index of value 6 is 1, so we return 1.
Example 2:
  Input: nums = [1,2,3,4]
  Output: -1
  Explanation: 4 is less than twice the value of 3, so we return -1.
```



Код:

```
public class Solution
{
   public int DominantIndex(int[] nums)
   {
      if (nums.Length == 0) return -1;

      // Найти максимальное значение и его индекс int maxIndex = 0;
      for (int i = 1; i < nums.Length; i++)
      {
        if (nums[i] > nums[maxIndex])
        {
            maxIndex = i;
      }
}
```

```
}

// Проверить, является ли максимальное значение хотя бы в два раза больше
всех остальных
    for (int i = 0; i < nums.Length; i++)
    {
        if (i != maxIndex && nums[maxIndex] < 2 * nums[i])
        {
            return -1;
        }
    }

    return maxIndex;
}
```