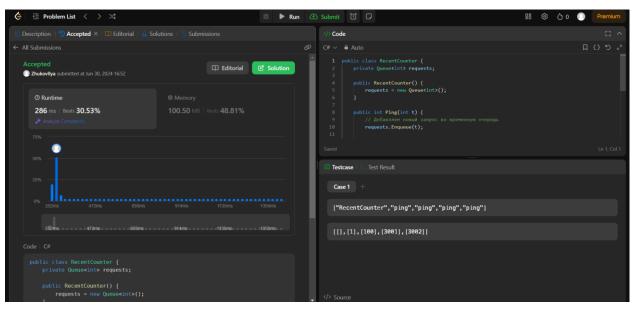
```
■ Description | ⑤ Accepted × | □ Editorial | ▲ Solutions | ⑤ Submissions
933. Number of Recent Calls
                                                                                         Solved ©
You have a RecentCounter class which counts the number of recent requests within a certain time frame.
Implement the RecentCounter class:

    RecentCounter() Initializes the counter with zero recent requests.

• int ping(int t) Adds a new request at time t, where t represents some time in milliseconds, and
  returns the number of requests that has happened in the past 3000 milliseconds (including the new
  request). Specifically, return the number of requests that have happened in the inclusive range [[t - 3000,
It is guaranteed that every call to ping uses a strictly larger value of t than the previous call.
Example 1:
  Input
  ["RecentCounter", "ping", "ping", "ping", "ping"]
  [[], [1], [100], [3001], [3002]]
  Output
  [null, 1, 2, 3, 3]
  Explanation
  RecentCounter recentCounter = new RecentCounter();
  recentCounter.ping(1); // requests = [1], range is [-2999,1], return 1
```



Код:

```
using System.Collections.Generic;
public class RecentCounter
{
    private Queue<int> requests;
```

```
public RecentCounter()
{
    requests = new Queue<int>();
}

public int Ping(int t)
{
    // Добавляем новый запрос во временную очередь
    requests.Enqueue(t);

    // Удаляем все запросы, которые не попадают в интервал [t - 3000, t]
    while (requests.Count > 0 && requests.Peek() < t - 3000)
    {
        requests.Dequeue();
    }

    // Возвращаем количество запросов в интервале
    return requests.Count;
}
</pre>
```