605. Can Place Flowers

Solved

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You have a long flowerbed in which some of the plots are planted, and some are not. However, flowers cannot be planted in **adjacent** plots.

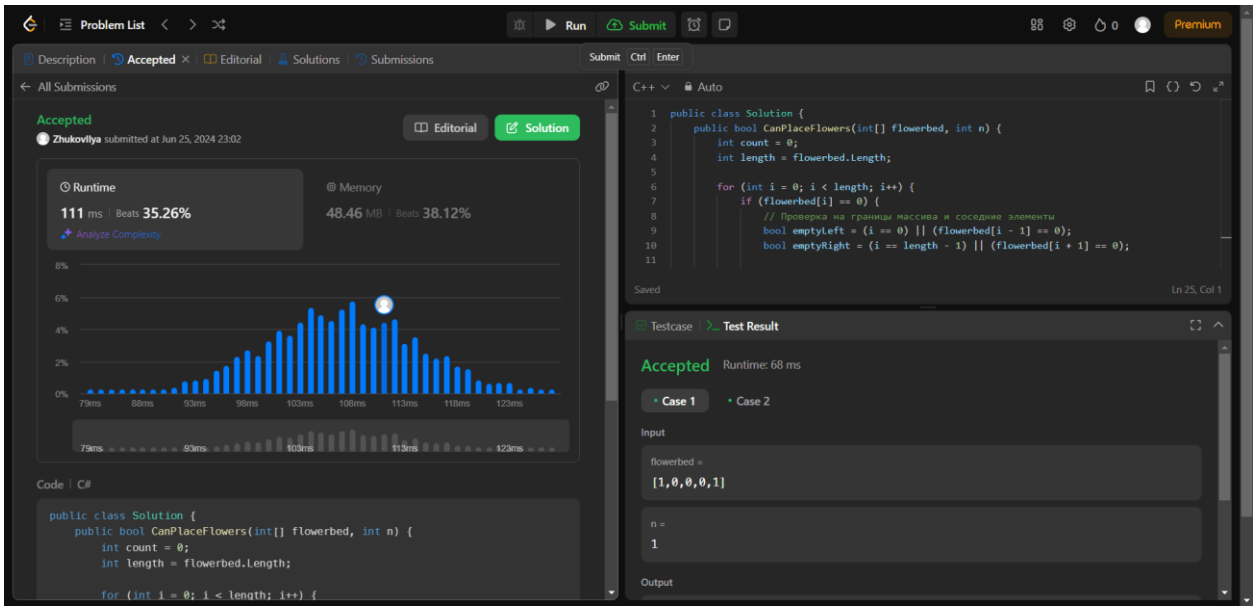
Given an integer array `flowerbed` containing `0`'s and `1`'s, where `0` means empty and `1` means not empty, and an integer `n`, return `true` *if* `n` *new flowers can be planted in the* `flowerbed` *without violating the no-adjacent-flowers rule and* `false` *otherwise.*

Example 1:

> **Input:** flowerbed = [1,0,0,0,1], n = 1
> **Output:** true

Example 2:

> **Input:** flowerbed = [1,0,0,0,1], n = 2
> **Output:** false



Код:

```
public class Solution
{
    public bool CanPlaceFlowers(int[] flowerbed, int n)
    {
        int count = 0;
        int length = flowerbed.Length;

        for (int i = 0; i < length; i++)
        {
            if (flowerbed[i] == 0)
            {
                // Проверка на границы массива и соседние элементы
                bool emptyLeft = (i == 0) || (flowerbed[i - 1] == 0);
```

```
                bool emptyRight = (i == length - 1) || (flowerbed[i + 1] == 0);

                if (emptyLeft && emptyRight)
                {
                    flowerbed[i] = 1;
                    count++;
                    if (count >= n)
                    {
                        return true;
                    }
                }
            }
        }

        return count >= n;
    }
}
```