Description   Solution   Discuss (999+)   Submissions

1004. Max Consecutive Ones III

Medium   👍 5545   👎 66   ♡ Add to List   ⬆ Share

Given a binary array `nums` and an integer `k`, return *the maximum number of consecutive* `1` *'s in the array if you can flip at most* `k` `0` *'s*.

Example 1:

```
Input: nums = [1,1,1,0,0,0,1,1,1,1,0], k = 2
Output: 6
Explanation: [1,1,1,0,0,1,1,1,1,1,1]
Bolded numbers were flipped from 0 to 1. The longest subarray is underlined.
```

Example 2:

```
Input: nums = [0,0,1,1,0,0,1,1,1,0,1,1,0,0,0,1,1,1,1], k = 3
Output: 10
Explanation: [0,0,1,1,1,1,1,1,1,1,1,1,0,0,0,1,1,1,1]
Bolded numbers were flipped from 0 to 1. The longest subarray is underlined.
```

Constraints:

- $1 <= nums.length <= 10^5$
- `nums[i]` is either `0` or `1`.
- `0 <= k <= nums.length`

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