3191. Minimum Operations to Make Binary Array Elements Equal to One I

Solved ●

Medium Hint

You are given a

binary array `nums`.

You can do the following operation on the array **any** number of times (possibly zero):

- Choose **any** 3 **consecutive** elements from the array and **flip all** of them.

Flipping an element means changing its value from 0 to 1, and from 1 to 0.

Return the **minimum** number of operations required to make all elements in `nums` equal to 1. If it is impossible, return -1.

Example 1:

> **Input:** nums = [0,1,1,1,0,0]
>
> **Output:** 3
>
> **Explanation:**
> We can do the following operations:
>
> - Choose the elements at indices 0, 1 and 2. The resulting array is `nums = [1,0,0,1,0,0]`.
> - Choose the elements at indices 1, 2 and 3. The resulting array is `nums = [1,1,1,0,0,0]`.
> - Choose the elements at indices 3, 4 and 5. The resulting array is `nums = [1,1,1,1,1,1]`.

Example 2:

> **Input:** nums = [0,1,1,1]
>
> **Output:** -1
>
> **Explanation:**
> It is impossible to make all elements equal to 1.

Constraints:

- `3 <= nums.length <= 10^5`
- `0 <= nums[i] <= 1`

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Yes No

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Hint 1

Hint 2

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