1787. Make the XOR of All Segments Equal to Zero

Description

You are given an array `nums` and an integer `k`. The XOR of a segment `[left, right]` where `left <= right` is the `XOR` of all the elements with indices between `left` and `right`, inclusive: `nums[left] XOR nums[left+1] XOR ... XOR nums[right]`.

Return *the minimum number of elements to change in the array* such that the `XOR` of all segments of size `k` is equal to zero.

Example 1:

```
Input: nums = [1,2,0,3,0], k = 1
Output: 3
Explanation: Modify the array from [ 1 , 2 ,0, 3 ,0] to from [ 0 , 0 ,0, 0 ,0].
```

Example 2:

```
Input: nums = [3,4,5,2,1,7,3,4,7], k = 3
Output: 3
Explanation: Modify the array from [3,4, 5 , 2 , 1 ,7,3,4,7] to [3,4, 7 , 3 , 4 ,7,3,4,7].
```

Example 3:

```
Input: nums = [1,2,4,1,2,5,1,2,6], k = 3
Output: 3
Explanation: Modify the array from [1,2, 4, 1,2, 5 ,1,2, 6 ] to [1,2, 3 ,1,2, 3 ,1,2, 3 ].
```

Constraints:

- `1 <= k <= nums.length <= 2000`
- $0 <= nums[i] < 2^{10}$