



## Erasing The array.



XBITS

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### The problem:

You are given a binary array **A** of **N** elements. The array consists of **0's** and **1's**. You can perform the following operations as many times as possible:

- Select a subarray starting from the first index that is inversion-free and delete it.

Determine the minimum number of operations to delete the entire array.

- Inversion free:

There are no two indices  $i$  and  $j$  in array **A** such that  $(i < j)$  and  $(A[i] > A[j])$ .

- Subarray:

A subarray is an array obtained after deleting some elements from the beginning (prefix) possibly 0 and deleting some elements from the end (suffix) possibly 0.

### The Example:

Enter array size: 4

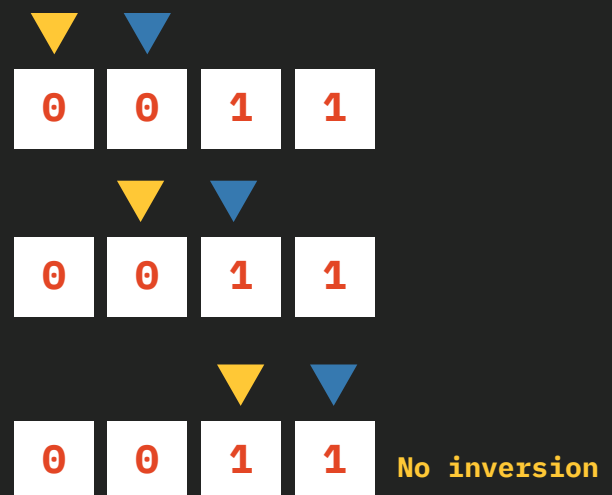
Enter the array elements: 0 0 1 1

The output is: 1

Enter array size: 2

Enter the array elements: 1 0

The output is: 2



All the array is inversion-free no sub-array is required, delete the array entirely and the minimum number of operation to do that is 1.

Thanks and best wishes,

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Ethical hacker and future security researcher **incha allah.**

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