

137. Single Number II

Description

Given an integer array `nums` where every element appears **three times** except for one, which appears **exactly once**. *Find the single element and return it.*

You must implement a solution with a linear runtime complexity and use only constant extra space.

Example 1:

Input: `nums = [2,2,3,2]`

Output: `3`

Example 2:

Input: `nums = [0,1,0,1,0,1,99]`

Output: `99`

Constraints:

- $1 \leq \text{nums.length} \leq 3 \times 10^4$
- $-2^{31} \leq \text{nums}[i] \leq 2^{31} - 1$
- Each element in `nums` appears exactly **three times** except for one element which appears **once**.

