- * Single number :-
- → We are given a non-empty integer array where every element appears twice except for one.
- -> Return that single element.

* Test Cases :-

Input :- [2,2,1]

Input :- [4,1,2,1,2]

Input: - [1]

Output: - 4

Output :- 4

Output :- 1

* Constraints:

- -> Linear runtime required
- -> Constant entra space original

* Solution:

- -> If there were no spore constraints, we could have essed a frequency map approach.
- -> A better approach can be using bitures XOR operator.

XOR

a	Ь	result
0	0	0
0	1	ı
ı	٥	ľ
-	t	0

If we NOR two lame values - 0,

XOR with O returns the game value.

4 10 = 4

ave = [4,1,2,1,3,2,3]

→ If we XDR all elements (4 1 1 1 2 1 1 1 3 1 2 1 3), the elements which are

repeating surce will return D.

-> Repeating elements will cancel out each attur.

TC = O(n)SC = O(i)

-> Ultimately, we will be deft with a single element.