



A B A B O O I I D I I

Example 2:

 $(A^{n}B)^{n}C = (A^{n}C)^{n}B$ if len(nums1) 2 = 0

2 1 3

nums 2 element will be canceled out

vise versa

```
© Runtime

1 ms | Beats 84.39% a)

Analyze Complexity

® Memory

36.69 MB | Beats 27.17%

20%

10%

5ms | 11ms | 16ms | 57ms | 62ms | 6
```

```
class Solution:
        def xorAllNums(self. nums1: List[intl. nums2: List[intl) -> int:
            if len(nums1) % 2 == 0 and len(nums2) % 2 == 0:
                return 0
            xor1. xor2 = 0. 0
            for n in nums1:
                xor1 = xor1 ^ n
 q
10
11
            for n in nums2:
12
                xor2 = xor2 ^n
13
            if len(nums1) % 2 == 0:
14
            elif len(nums2) % 2 == 0:
16
17
               return xor2
            else:
19
               return xor1 ^ xor2
20
21
```