

```

1 class Solution:
2     def majorityElement(self, nums: List[int]) -> int:
3
4         comp = len(nums)/2
5
6         di = collections.Counter(nums)
7
8         for k,v in di.items():
9             if v > comp:
10                 return k

```

```

1  class Solution:
2
3      def majorityElement(self, nums: List[int]) -> int:
4
5          # base case: the only element in an array of size 1 is the majority
6          # element
7          if len == 1:
8              return nums[0]
9
10         # returns on left and right halves of this slice.
11         mid = (len(nums) // 2)
12         left = majorityElement(nums[:mid])
13         right = majorityElement(nums[mid:])
14
15         # if the two halves agree on the majority element, return it.
16         if left == right:
17             return left
18
19         # otherwise, count each element and return the "winner".
20         left_count = sum(1 for i in range(0, len(left)) if nums[i] == left)
21         right_count = sum(1 for i in range(0, len(right)) if nums[i] == right)
22
23         return left if left_count > right_count else right
24
25     return majority_element(nums)

```

```
1 class Solution:
2     def majorityElement(self, nums):
3         count = 0
4         candidate = None
5
6         for num in nums:
7             if count == 0:
8                 candidate = num
9             count += (1 if num == candidate else -1)
10
11         return candidate
```

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Testcase

Run Code Result

Debugger

Accepted Runtime: 53 ms

Your input
[3,7,3]

Output
3

Expected
3

Diff

Console

Run Code

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