

905. Sort Array By Parity

```
1 class Solution:
2     def sortArrayByParity(self, A: List[int]) -> List[int]:
3         size = len(A)
4         res = [None] * size
5         start = 0
6         end = size - 1
7         for val in A:
8             if val % 2 == 1:
9                 res[end] = val
10                end = end - 1
11            else:
12                res[start] = val
13                start = start + 1
14        return res
```

[https://leetcode.com/problems/sort-array-by-parity/discuss/170760/Very-simple-C%2B%2BPythonJava-O\(n\)-soln-\(Avoid-in-place-swapping-as-the-input-is-passed-as-reference\)](https://leetcode.com/problems/sort-array-by-parity/discuss/170760/Very-simple-C%2B%2BPythonJava-O(n)-soln-(Avoid-in-place-swapping-as-the-input-is-passed-as-reference))