905. Sort Array By Parity

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Given an integer array nums, move all the even integers at the beginning of the array followed by all the odd integers.

Return any array that satisfies this condition.

Example 1:

Input: nums = [3,1,2,4]
Output: [2,4,3,1]

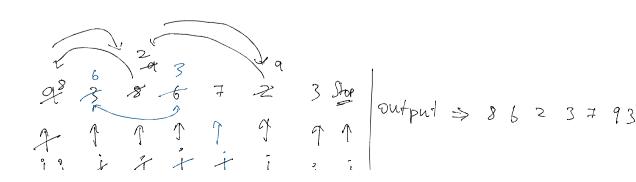
Explanation: The outputs [4,2,3,1], [2,4,1,3], and

[4,2,1,3] would also be accepted.

Example 2:

output

$$\begin{bmatrix} 2, 7, 3, 1 \end{bmatrix}$$



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* keep increment i 

* when i = even, swap (i,j) and i+1,j+7 [Peploding]
                                      7 1 1
         when i = = even , i++, j++ and swap (i, j)
           when old just it+
class Solution {
   public int[] sortArrayByParity(int[] nums) {
      int i = 0; // first unsolved
int j = 0; // first odd
      while(i < nums.length){
  if(nums[i] % 2 == 0){
    //even -> swap(i,j), i++, j++
             int temp = nums[i];
nums[i] = nums[j];
nums[j] = temp;
          j++;
} else {
             // odd -> i++
i++;
          }
      return nums;
```

}