

@LeetCode

Given an array `A` of non-negative integers, return an array consisting of all the even elements of `A`, followed by all the odd elements of `A`.

You may return any answer array that satisfies this condition.

**Example 1:**

**Input:** `[3,1,2,4]`

**Output:** `[2,4,3,1]`

The outputs `[4,2,3,1]`, `[2,4,1,3]`, and `[4,2,1,3]` would also be accepted.

**Note:**

1. `1 <= A.length <= 5000`
2. `0 <= A[i] <= 5000`