Given an integer array of size n, find all elements that appear more than ⌊ n/3 ⌋ times.

**Example 1:**

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

**Example 2:**

Input: nums = [1]  
Output: [1]

**Example 3:**

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

**Constraints:**

* 1 <= nums.length <= 5 \* 104
* -109 <= nums[i] <= 109

**Follow up:** Could you solve the problem in linear time and in O(1) space?