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

**Note:**The algorithm should run in linear time and in O(1) space.

**Example 1:**

**Input:** [3,2,3]

**Output:** [3]

**Example 2:**

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

**Output:** [1,2]