Problem statement Send feedback

You are given an array/list 'ARR' of integers of length 'N'. You are supposed to find all the elements that occur strictly more than floor(N/3) times in the given array/list.

## **Detailed explanation** (Input/output format, Notes, Images)

#### Constraints:

```
1 <= T <= 100
3 <= N <= 5000
1 <= ARR[i] <= 10^5
```

Time Limit: 1 sec

# Sample Input 1:

```
2
7
3 2 2 1 5 2 3
5
7 4 4 9 7
```

# **Sample Output 1:**

2 4 7

## **Explanation of Sample Input 1:**

In the first test case, floor(N/3) = floor(7/3) is equal to 2, and 2 occurs 3 times which is strictly more than N/3. No other element occurs more than 2 times.

In the second test case, floor(N/3) = floor(5/3) is equal to 1, and 4 and 7 both occur 2 times. No other element occurs more than once.

## Sample Input 2:

```
2
6
1 2 4 4 3 4
4
6 6 6 7
```

# Sample Output 2:

4

#### **Explanation of Sample Input 2:**

In the first test case, floor(N/3) = floor(6/3) is equal to 2, and 4 occurs 3 times which is strictly more than N/3. No other element occurs more than 2 times.

In the second test case, floor(N/3) = floor(4/3) is equal to 1, and 6 occurs 3 times. No other element occurs more than once.