Warmup A - Odd One Out

Given a list of **n** integers, one of which is different from the others in oddness. Find the one that is different.

Input

The first line contains the integer **T**, then **T** test cases follow.

Each test case begins with a single line containing the integer **N**, ($3 \leq$ **N** ≤ 100), the number of integers in the list.

The next line contains **N** space-separated positive integers not exceeding 100. It is guaranteed that exactly one of these numbers differs from the others in oddness.

Output

For each test case, output a line containing the index of the number that is different. Numbers are indexed from 1 in the input order.

Sample Input	Sample Output
2	3
5	2
2 4 7 8 10	
4	
1 2 1 1	