# Robb Stark and The Mysterious Message

"*The King in the North*" Robb Stark marches towards South to take King's Landing and avenge the execution of his father, Lord Ned Stark. He needs helps from House Martells from South to beat the powerful Lannisters. So, he sends Theon Greyjoy to Oberyn Martell for help. However, he does not trust Theon, thus he encrypts the message in form of a sequence of numbers, such one number represents a word.

Robb loves trees, specially, binary search trees. So, he changes of the order of the words such that these numbers follow a *preorder* traversal pattern of BST. This message can be decrypted by converting it to *postorder* traversal. Oberyn does not like the BST, so he tells you to decrypt the message for him.

**Input format:**

First line contains number of test cases. For each test case, the first line contains an integer N (2 <= N <= 50000), the number of words in message. Second line contains N integers. Mi <= 10^6.

**Output format:**

Print each number in new line and one blank line after result of each test case.

**Sample Input:**

```
2
5
4 3 5 2 6
5
3 1 2 5 4
```

**Sample Output:**

```
2
3
6
5
4

2
1
4
5
3
```