**Vertical Order of Parent array Tree**

**Problem Statements :**

You are given an array that represents a tree in such a way that array indexes are values in tree nodes and array values give the parent node of that particular index (or node) . The value of the root node index would always be -1. Your work is to construct that tree and print vertical order traversal.

**Input Format :**

First line contains integer t as number of test cases.

Each test case contains two lines. First line contains an integer n which is length of the array and second line contains n space separated integer.

**Constraints :**

1 < t < 20

1< n < 50

**Output Format :**

For each test case print preorder traversal of the tree.

**Sample Input :**

1

7  
-1 0 0 1 1 3 5

**Sample Output :**

6

5

3

1

0 4

2

**Explanation :**

Tree Construction :

0  
 / \  
 1 2  
 / \  
 3 4  
 /  
 5   
 /  
6

**Time Limit :**

none