Most Frequent Item in BST

Given a binary search tree with duplicates, print the most frequent element in the BST. If there is more than one, print them in ascending order. The elements of the tree are given from left to right and level by level.

Input Format

The first line contains N, the number of elements in the list. Each of the next lines contains an integer represents an element in the traversal.

Input nodes may have zero, one or two children. If the number is -1, then the node is null.

Constraints

- $1 <= N, nums[i] <= 10^4$

Output Format

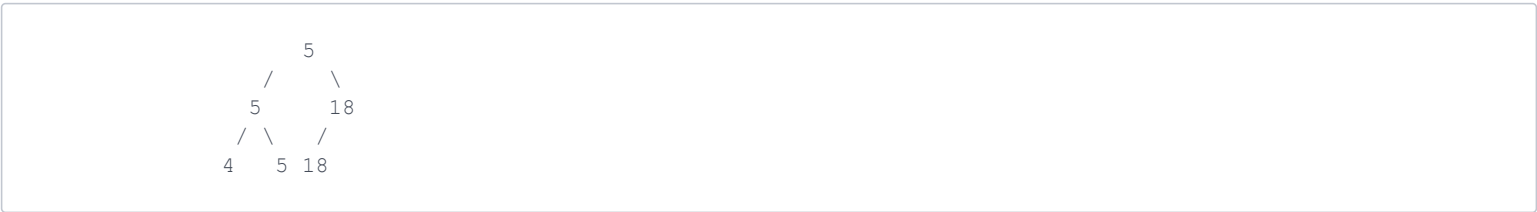Print the most frequent items one per line (sorted acendingly).

Sample Input 0

```
7
5
5
18
4
5
18
-1
```

Sample Output 0

```
5
```

Explanation 0

```
          5
        /    \
      5       18
     / \      /
    4   5   18
```

Sample Input 1

```
13
14
13
22
13
-1
```

```
22
29
-1
-1
-1
-1
28
29
```

Sample Output 1

```
13
22
29
```

Explanation 1

```
              14
             /  \
          13      22
         /       /  \
      13     22     29
                   /  \
                 28     29
```