# **Happy Tree Family**



Print all direct relations of a node in a tree. If it is a root node, give its parent the value -1. If the *node* is not found in the *tree*, print "404 Not Found".

### Input Format

The first line contains **N** (how many numbers/nodes in the tree)

The second line contains N-values of X (nodes) in the tree

The third line contains **M** (how many **X**'s to look up for direct relations)

The next M-lines contain the value of the X's to be looked up.

#### **Constraints**

- $1 \le N, M \le 1000$
- $-10000 \le X \le 10000$

### **Output Format**

M lines stating the direct relations (parent and child nodes) of the queried node.

# Sample Input 0

```
10
10 6 19 2 7 22 16 20 13 9
3
10
6
13
```

## Sample Output 0

```
-1 6 19
10 2 7
16
```