

Problem Statement

You need to take a singly linked list of integer values as input. Afterward, you will be given an integer value **X**. Your task is to determine whether **X** is present in the linked list or not. If it is present, print its first index from the left side; otherwise, print -1. Assume that the linked list's index starts with 0.

Note: You must use a singly linked list; otherwise, you will not receive marks.

Input Format

- First line will contain **T**, the number of test cases.
- First line of each test case will contain the values of the singly linked list, and will terminate with -1.
- Second line of each test case will contain **X**.

Constraints

1. $1 \leq T \leq 100$
2. $1 \leq N \leq 10^5$; Here N is the maximum number of nodes of the linked list.
3. $-10^9 \leq V \leq 10^9$; Here V is the value of each node.
4. $-10^9 \leq X \leq 10^9$

Output Format

- Output the index of **X** in the linked list.

Sample Input 0

```
4
1 2 3 4 5 -1
3
1 2 3 -1
5
1 -1
1
10 20 -1
20
```

Sample Output 0

```
2
-1
0
1
```