

First element to occur k times

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Problems

Given an array of **N** integers. The task is to find the first element that occurs **K** number of times. If no element occurs **K** times the print **-1**.

Input:

The first line of input contains an integer **T** denoting the number of test cases. Then **T** test cases follow. The first line of each test case contains an integer **N** denoting the size of an array and the number **K**. The second line of each test case contains **N** space separated integers denoting elements of the array **A[]**.

Output:

For each test case in a new line print the required answer.

Constraints:

$1 \leq T \leq 100$

$1 \leq N, K \leq 10^5$

$1 \leq A \leq 10^6$

Example:

Input :

```
1
7 2
1 7 4 3 4 8 7
```

Output :

```
7
```

Explanation:

Both 7 and 4 occur 2 times. But 7 is the first that occurs 2 times.

**** For More Input/Output Examples Use 'Expected Output' option ****

Contributor: Sujnesh Mishra

Author: [sujnesh \(https://auth.geeksforgeeks.org/user/sujnesh/practice/\)](https://auth.geeksforgeeks.org/user/sujnesh/practice/)