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# Second Smallest Integer AZ101



? Ask Doubt

Time-Limit: 1 sec    Score: 100.00/100    Difficulty :

Memory: 256 MB    Accepted Submissions: 100

## Description

You are given an array of N integers. You have to find the second smallest integer in the given array.

## Input Format

The first line of the input contains one integer T - the number of test cases. Then T test cases follow.

The first line of each test case contains one integer N - the length of the array.

The second line of each test case contains N space-separated integers.

## Output Format

For each test case, print the second smallest integer in the given array. If it doesn't exist, print -1.

## Constraints

$1 \leq T \leq 10^5$

$1 \leq N \leq 10^5$

$0 \leq A_i \leq 10^5$

It is guaranteed that the sum of N over all test cases does not exceed  $10^5$

## Sample Input 1

Copy

```
3
5
3 4 1 7 7
5
1 5 1 2 1
3
1 1 1
```

## Sample Output 1

Copy

```
3
2
```

C++14[GCC] ▾



Submit

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