Question 1

Write a python code for converting integer values to Indian currency notations, without using the currency libraries
Example:
input: 504678
output: 5,04,67

Question 2

You won’t get caught if you hide behind someone.”

Sang-Woo advises Gi-Hun to hide behind someone to avoid getting shot.

Gi-Hun follows Sang-Woo's advice and hides behind Ali, who saved his life earlier. Gi-Hun and Ali both have the same height, K

. Many players saw this trick and also started hiding behind Ali.

Now, there are N

players standing *between* Gi-Hun and Ali in a straight line, with the ith player having height Hi

. Gi-Hun wants to know the minimum number of players who need to get shot so that Ali is visible in his line of sight.

Note:

- Line of sight is a straight line drawn between the topmost point of two objects. Ali is visible to Gi-Hun if nobody between them crosses this line.
- Even if there are some players who have the same height as that of Gi-Hun and Ali, Ali will be visible in Gi-Hun's line of sight.
- Gi-Hun and Ali have the same height.

Input Format

- The first line of input contains a single integer T

, denoting the number of test cases. The description of T

- test cases follows.
- The first line of each test case contains two space-separated integers N and K
- , denoting the total number of players between Gi-Hun and Ali and the height of both of them respectively.
- The second line of each test case contains N
- space-separated integers, denoting the heights of the players between Gi-Hun and Ali.

Output Format

For each test case, output in a single line the minimum number of players who need to get shot so that Ali is visible in Gi-Hun's line of sight.

Constraints

- $1 \le T \le 105$

- $1 \le N \le 105$
- $1 \le K \le 106$
- $1 \le Hi \le 106$ for every $1 \le i \le N$
- .
- The sum of N across all test cases does not exceed $5 \cdot 105$
- .

Sample Input 1

```
3
4 10
2 13 4 16
5 8
9 3 8 8 4
4 6
1 2 3 4
```

Sample Output 1

```
2
1
0
```

Explanation

Test Case 1: Gi-Hun and Ali have height 10

. For Ali to be visible to Gi-Hun, the second person (with height 13) and the fourth person (with height 16) need to get shot. Hence, the minimum number of players who need to get shot is 2

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Test Case 2: Gi-Hun and Ali have height 8

. For Ali to be visible to Gi-Hun, the first person (with height 9) needs to get shot. Hence, the minimum number of players who need to get shot is 1

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Test Case 3: Nobody needs to get shot because everyone is shorter than Gi-Hun and Ali.