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Color Balls

? Ask Doubt

Time-Limit: 2 sec

Score: 1.00/100

Difficulty :

Memory: 256 MB

Accepted Submissions: 100

Relevant For:

AZ-201

AZ-202

AZ-301

Description

You are given N balls and an integer K . The color of each ball is given in an array A . A basket is filled if it contains at least K balls of different colors. Find the maximum number of filled baskets you can get if you optimally put the balls in the baskets.

Input Format

- The first line contains T , the number of test cases ($1 \leq T \leq 100000$).
- The first line contains three space-separated integers N, K where $1 \leq N \leq 10^5, 1 \leq K \leq N$.
- Next line contains N space-separated integers ($0 \leq A_i \leq 1e9$).
- Sum of N across all test cases $\leq 10^6$.

Output Format

For each test case output the maximum number of filled baskets in a new line.

Sample Input 1

Copy

```
3
5 5
1 2 3 4 5
5 2
1 2 3 4 5
6 3
1 2 2 1 3 3
```

Sample Output 1

Copy

```
1
2
2
```

Note

1st test case:

C++14[GCC] ▾

Submit

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