Description | My Submissions | Hints/Editorial | AC Submissions | My Notes (0)

Consecutive one

? Ask Doubt

Time-Limit: 2 sec Score: 100.00/100 Difficulty : ★★

Memory: 256 MB Accepted Submissions: 100 Relevant For: AZ-201 AZ-202

Description

Given a binary array of length **N**. The score of an array is the length of the longest continuous subsegment consisting of only one.

Find the maximum score possible if you can change at most **K** elements of the array.

Input Format

The first line contains an integer **T**, the number of test cases.
The first line of each test case contains two space-separated integer **N, K** where
The next line contains **N** space-separated integers which are either 0 or 1.

Output Format

For each test case print the maximum score possible if you can change at most **K** elements of the array in a new line.

Constraints

$1 \le T \le 10^4$
$1 \le N \le 10^5$
$0 \le K \le N$
Sum of N across all test cases $\le 10^6$.

Sample Input 1

Copy

```
5
10 2
1 0 1 1 0 1 1 0 0 1
10 1
1 1 0 1 0 0 0 1 0 0
10 3
1 0 0 1 1 0 1 1 0 1
10 3
1 1 1 0 0 0 1 1 1 1
10 3
1 1 0 0 1 1 0 0 1 1
```

Sample Output 1

Copy

C++14[GCC]

Submit

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