

B. Prison Transfer

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

The prison of your city has n prisoners. As the prison can't accommodate all of them, the city mayor has decided to transfer c of the prisoners to a prison located in another city.

For this reason, he made the n prisoners to stand in a line, with a number written on their chests. The number is the severity of the crime he/she has committed. The greater the number, the more severe his/her crime was.

Then, the mayor told you to choose the c prisoners, who will be transferred to the other prison. He also imposed two conditions. They are,

- The chosen c prisoners has to form a contiguous segment of prisoners.
- Any of the chosen prisoner's crime level should not be greater then t . Because, that will make the prisoner a severe criminal and the mayor doesn't want to take the risk of his running away during the transfer.

Find the number of ways you can choose the c prisoners.

Input

The first line of input will contain three space separated integers n ($1 \leq n \leq 2 \cdot 10^5$), t ($0 \leq t \leq 10^9$) and c ($1 \leq c \leq n$). The next line will contain n space separated integers, the i^{th} integer is the severity i^{th} prisoner's crime. The value of crime severities will be non-negative and will not exceed 10^9 .

Output

Print a single integer — the number of ways you can choose the c prisoners.

Examples

input
4 3 3 2 3 1 1
output
2
input
1 1 1 2
output
0
input
11 4 2 2 2 0 7 3 2 2 4 9 1 4
output
6

Codeforces Round #244 (Div. 2)

Finished

→ Virtual participation

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Start virtual contest

→ Problem tags

data structures | implementation

No tag edit access

→ Contest materials

- Announcement
- Tutorial