Yonge St.

Problem

Submissions

Discussion Coming Soon

Türkçesi için tıklayınız

The longest street in the world is Yonge Street in Toronto, Canada. The shops on this street are represented by numbers according to the types of shops. Toronto mayor Oguzhan wants to demolish some of the different types of shops that are next to each other to make the street look more orderly, and combine the same types of shops into one. The maximum number of shops that Oguzhan can demolish according to the budget allocated is limited and cannot exceed this number. Oguzhan wants to know how many same type shop can be combined and turn into one big shop.

Input Format

S : Number of adjacent shops on the street.

T : Maximum number that represents type of shop.

D : Maximum number of shops that Oguzhan can demolish according to the budget.

$First\ line$: S, T and D.

$Second\ line$: S integers from 1 to T.

Output Format

Maximum number of shops of the same type that can be combined side by side.

Constraints

$1 <= S <= 10^5$

$1 <= T <= 1000$

$0 <= D <= S$

Sample Input 1

```
3 2 0
2 1 2
```

Sample Output 1

```
1
```

Explanation 1

D is zero it means budget isn't enough to demolish any shop.

Sample Input 2

```
4 3 1
3 2 3 1
```

Sample Output 2

```
2
```

Explanation 2

Oguzhan demolished shop at index 1 and now shops look like this 3 3 1. So 2 same type shop combined.

Sample Input 3

Sample Output 3

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

```
3
```

Explanation 3

Oguzhan demolished shop at index 2 and now shops look like this 1 1 1 3. So 3 same type shop combined.

C++ Bright **Memory Limit (kB) :** 512000 **Time Limit (s) :** 1

```cpp
//Brace your keyboard
//inzva community built algoleague for every algorithm enthusiast hungry for self-improvement and fri

#include <bits/stdc++.h>

using namespace std;

int main() {
// write your code here

    return 0;
}

```

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