

## A. Juicer

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

Kolya is going to make fresh orange juice. He has  $n$  oranges of sizes  $a_1, a_2, \dots, a_n$ . Kolya will put them in the juicer in the fixed order, starting with orange of size  $a_1$ , then orange of size  $a_2$  and so on. To be put in the juicer the orange must have size not exceeding  $b$ , so if Kolya sees an orange that is strictly greater he throws it away and continues with the next one.

The juicer has a special section to collect waste. It overflows if Kolya squeezes oranges of the total size strictly greater than  $d$ . When it happens Kolya empties the waste section (even if there are no more oranges) and continues to squeeze the juice. How many times will he have to empty the waste section?

### Input

The first line of the input contains three integers  $n, b$  and  $d$  ( $1 \leq n \leq 100\,000$ ,  $1 \leq b \leq d \leq 1\,000\,000$ ) — the number of oranges, the maximum size of the orange that fits in the juicer and the value  $d$ , which determines the condition when the waste section should be emptied.

The second line contains  $n$  integers  $a_1, a_2, \dots, a_n$  ( $1 \leq a_i \leq 1\,000\,000$ ) — sizes of the oranges listed in the order Kolya is going to try to put them in the juicer.

### Output

Print one integer — the number of times Kolya will have to empty the waste section.

### Examples

<b>input</b>
2 7 10 5 6
<b>output</b>
1
<b>input</b>
1 5 10 7
<b>output</b>
0
<b>input</b>
3 10 10 5 7 7
<b>output</b>
1
<b>input</b>
1 1 1 1
<b>output</b>
0

### Note

In the first sample, Kolya will squeeze the juice from two oranges and empty the waste

### AIM Tech Round 3 (Div. 2)

Finished

### → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

### → Problem tags

implementation

No tag edit access

section afterwards.

In the second sample, the orange won't fit in the juicer so Kolya will have no juice at all.