## Problem B Diet Plan

You have a diet plan for the next $N$ days (numbered from 1 to $N$ ). During day $i$, you need to drink exactly $P_{i}$ mL of milk. Alternatively, you can consume a biscuit instead, as a replacement for milk on that day.

Currently, you only have $M \mathrm{~mL}$ of milk and $K$ biscuits. If there is not enough milk to drink on a day and you run out of biscuits, then your diet plan stops.

Determine the maximum number of days you can maintain your diet plan.

## Input

The first line consists of three integers $N M K(1 \leq N \leq 100 ; 0 \leq M, K \leq 100)$.
The next line consists of $N$ integers $P_{i}\left(1 \leq P_{i} \leq 100\right)$.

## Output

Output a single integer representing the maximum number of days you can maintain your diet plan.

## Sample Input \#1

```
7 100 2
70 30 20 40 50 40 10
```


## Sample Output \#1

5

Explanation for the sample input/output \#1
You can consume a biscuit on day 1 and 4 to maintain your diet plan for 5 days.

## Sample Input \#2

```
70 1
70 30 40 20 50 10 60
```


## Sample Output \#2

3

Explanation for the sample input/output \#2
You can consume a biscuit on day 1 to maintain your diet plan for 3 days.
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## Sample Input \#3

```
7 0 100
100 100 100 100 100 100 100
```


## Sample Output \#3

```
7
```


## Sample Input \#4

```
700
1 1 1 1 1 1 1
```


## Sample Output \#4

```
0
```

