## 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 $M$ 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 $N$ $M$ $K$ ($1 \le N \le 100; 0 \le M, K \le 100$).

The next line consists of $N$ integers $P_i$ ($1 \le P_i \le 100$).

### 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

```
7 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.

**Sample Input #3**

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

**Sample Output #3**

```
7
```

**Sample Input #4**

```
7 0 0
1 1 1 1 1 1 1
```

**Sample Output #4**

```
0
```