Aslı, Deren and Rainy Days (Easy)

Time Limit: 1.0s **Memory Limit:** 256M

Deren and Aslı are best friends and have missed each other a lot. They now have an opportunity to see each other. They can meet up once in the upcoming $\mathbf{N}$ day period. However, it is going to rain each of these days. So they want to meet up on a day where it does not rain too much. They also want to see each other as soon as possible. So, they have come up with a solution. They say that the ith day is optimal if, on day number i, it rains less than the previous $\mathbf{a}$ days and the next $\mathbf{b}$ days. Can you find the earliest optimal day so that Aslı and Deren can see each other and be happy?

The days are numbered from 1 to $\mathbf{N}$. They are available only on those $\mathbf{N}$ days, so they don't take any other day into account. It is guaranteed that there exists a solution.

Input:

The first line contains three integers, $\mathbf{N}$, $\mathbf{a}$, and $\mathbf{b}$. The second line will contain $\mathbf{N}$ distinct integers $r_1, r_2, \ldots, r_n$ where r_i represents the amount of rain on the ith day.

- $1 \leq \mathbf{N} \leq 10^5$
- $0 \leq \mathbf{a}, \mathbf{b} \leq 7$
- $1 \leq r_i \leq 10^9$

Output:

Print a single integer, the index of the earliest optimal day.

Examples:

Input:

```
10 2 2
8 9 5 7 6 3 2 1 10 4
```

Output:

```
3
```

Input:

```
10 2 3
8 9 5 7 6 3 2 1 10 4
```

Output:

```
8
```

Input:

```
6 6 6
6 5 4 3 2 1
```

Output:

```
6
```

Explanations:

In the first test case, the 3rd day is valid (where it rains 5 units). Because there aren't any less-rainy-days in the previous 2 days or in the next 2 days. In the second test case, the 8th day is valid (where it rains 1 unit). Because there aren't any less-rainy-days in the previous 2 days or in the next 3 days (The days after the $\mathbf{N}$th day are out of their scope so they are not taken into consideration.). And in the third test case, the 6th day is valid (where it rains 1 unit). Because there aren't any less-rainy-days in the previous 6 days or in the following 6 days.