

# Mock CCO '18 Contest 1 Problem 3 - A Segment Tree Problem

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Given a 1-indexed array of  $N$  integers, consider all subarrays of size  $M$ . A subarray is good if the range of the subarray is at most  $C$ . Compute all good subarrays.

## Constraints

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$$1 \leq N \leq 10^6$$

$$1 \leq M \leq 10^4$$

$$0 \leq C \leq 10^4$$

$$0 \leq l_i \leq 10^6$$

## Input Specification

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The first line will contain three space-separated integers,  $N$ ,  $M$ , and  $C$ .

The next line contains  $N$  space-separated integers, the  $l_i$  in order comprising the list.

## Output Specification

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Output, on separate lines, all starting indices of good subarrays. Print exactly one per line, and print them in increasing order.

If no subarrays are good, output `NONE`.

## Sample Input

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```
7 2 0
0 1 1 2 3 2 2
```

## Sample Output

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```
2
6
```