# subarrays

Given an array and an integer k, find the maximum for each and every contiguous subarray of size k.

## Input

the number n denoting number of elements in the array then after a new line we have the numbers of the array and then k in a new line

```
n < 10<sup>6</sup>
k < 10<sup>5</sup>
1 <= k <= n
```

and each element of the array is between 0 and 10<sup>6</sup>

(**Edited:** In fact,  $n \le 10^5$ )

## **Output**

print the output array

## **Example**

#### Input:

9 1 2 3 1 4 5 2 3 6 3

#### **Output:**

3345556