5704. Maximum Score of a Good Subarray

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You are given an array of integers `nums` **(0-indexed)** and an integer `k`.

The **score** of a subarray `(i, j)` is defined as `min(nums[i], nums[i+1], ..., nums[j]) * (j - i + 1)`. A **good** subarray is a subarray where `i <= k <= j`.

Return *the maximum possible **score** of a **good*** subarray.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Hard

Example 1:

```
Input: nums = [1,4,3,7,4,5], k = 3
Output: 15
Explanation: The optimal subarray is (1, 5) with a score of min(4,3,7,4,5) * (5-1+1) = 3 * 5 = 1
```

Example 2:

```
Input: nums = [5,5,4,5,4,1,1,1], k = 0
Output: 20
Explanation: The optimal subarray is (0, 4) with a score of min(5,5,4,5,4) * (4-0+1) = 4 * 5 = 20.
```

Constraints:

- $1 <= nums.length <= 10^5$
- $1 <= nums[i] <= 2 * 10^4$
- $0 <= k < nums.length$

JavaScript ▼

```
1 ▾ /**
2    * @param {number[]} nums
3    * @param {number} k
4    * @return {number}
5    */
6 ▾ var maximumScore = function(nums, k) {
7
8   };
```

☐ **Custom Testcase**   (Use Example Testcases)

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