1505. Minimum Possible Integer After at Most K Adjacent Swaps On Digits

Description

You are given a string `num` representing **the digits** of a very large integer and an integer `k`. You are allowed to swap any two adjacent digits of the integer **at most** `k` times.

Return *the minimum integer you can obtain also as a string*.

Example 1:


```
Input: num = "4321", k = 4
Output: "1342"
Explanation: The steps to obtain the minimum integer from 4321 with 4 adjacent swaps are shown.
```

Example 2:

```
Input: num = "100", k = 1
Output: "010"
Explanation: It's ok for the output to have leading zeros, but the input is guaranteed not to have any leading zeros.
```

Example 3:

```
Input: num = "36789", k = 1000
Output: "36789"
Explanation: We can keep the number without any swaps.
```

Constraints:

- `1 <= num.length <= 3 * 10^4`
- `num` consists of only **digits** and does not contain **leading zeros**.
- `1 <= k <= 10^9`