Largest number in K swaps

Given a number K and string str of digits denoting a positive integer, build the largest number possible by performing swap operations on the digits of str at most K times.

Example 1:

Input: K = 4 str = "1234567"

Output: 7654321

Explanation: Three swaps can make the input 1234567 to 7654321, swapping 1 with 7, 2 with 6 and finally 3 with 5

Example 2:

Input:

K = 3 str = "3435335"

Output: 5543333

Explanation: Three swaps can make the input 3435335 to 5543333, swapping 3 with 5, 4 with 5 and finally 3 with 4

Your task: You don't have to read input or print anything. Your task is to complete the function findMaximumNum() which takes the string and an integer as input and returns a string containing the largest number formed by performing the swap operation at most k times.

Input Format

You use one of the following templates to write your code.

C template:

```
char* findMaximumNum(char *str, int k)
   {
        // code here.
   }
```

C++ template:

```
string findMaximumNum(string &str, int k)
    {
        // code here.
    }
```

Constraints

$1 \leq |str| \leq 30$ $1 \leq K \leq 10$

Output Format

just follow the problem description

Contest ends in 2 hours

Submissions: 0
Max Score: 3
Difficulty: Medium

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C

```c
#include <stdio.h>
#include <string.h>
#include <math.h>
#include <stdlib.h>

int main() {

    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}

```

Line: 1 Col: 1

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