**[Build the smallest](https://practice.geeksforgeeks.org/problems/build-the-smallest2841/1)**

Given a number **k** and string **num** of digits (0 to 9) denoting a positive integer. Find a string denoting the lowest integer number possible by removing **k** digits from **num**, without changing their order.  
**Note**: num will not contain any leading zero.

**Example 1:**

**Input:**

k = 2

num = "143729"

**Output:** "1329"

**Explanation:** 1329 is the minimum number

possible after removing '4' and '7'.

**Example 2:**

**Input:**

k = 3

num = "10056"

**Output:** "0"

**Explanation:** 0 is the minimum number

possible after removing '1' , '5' and '6'.

**Your Task:**  
You dont need to read input or print anything. Complete the function **buildLowestNumber()** which accepts string **num** and integer **k** as input parameters and returns a string denoting the smallest integer possible after removing **k** digits from **num** without changing the order.

**Expected Time Complexity:**O(Length of num)   
**Expected Auxiliary Space:**O(Length of num)

**Constraints:**  
1 <= Length of num <= 105  
0 <= k < Length of num