**SOLUTION**

class Solution {

public:

string removeKdigits(string num, int k) {

if(k == num.length())

return "0";

int i = 0;

while(k > 0){

i = (i > 0)? (i-1) : 0;

while(i < num.length()-1 && num[i] <= num[i+1] )

i++;

num.erase(num.begin() + i);

k--;

}

auto nz = num.find\_first\_not\_of("0");

num.erase(0 , nz);

if(num.length() == 0)

return "0";

return num;

}

};

**TIME COMPLEXITY: O(N)**

**SPACE COMPLEXITY: O(1)**