9) [**61. Rotate List**](https://leetcode.com/problems/rotate-list/)  
CODE  
class Solution {

public:

ListNode\* rotateRight(ListNode\* head, int k) {

if (!head || !head->next || k == 0) return head;

int length = 1;

ListNode\* tail = head;

while (tail->next) {

tail = tail->next;

length++;

}

k %= length;

if (k == 0) return head;

tail->next = head;

int stepsToNewHead = length - k;

ListNode\* newTail = head;

for (int i = 1; i < stepsToNewHead; i++) {

newTail = newTail->next;

}

ListNode\* newHead = newTail->next;

newTail->next = nullptr;

return newHead;

}

