**Justin\_LinkedList\_TwoPointers\_0019. Remove Nth Node From End of List**

**Concept:**

用 2 個 pointer，先讓 first 走 n 步，再讓second開始一起走

直到沒有first.next

最後 second.next = second.next.next

**Code:**

# Definition for singly-linked list.

# class ListNode:

# def \_\_init\_\_(self, val=0, next=None):

# self.val = val

# self.next = next

class Solution:

def removeNthFromEnd(self, head: ListNode, n: int) -> ListNode:

if not head:

return head

first = head

second = head

while n > 0:

first = first.next

n -= 1

if not first:

return head.next

while first.next:

first = first.next

second = second.next

second.next = second.next.next

return head