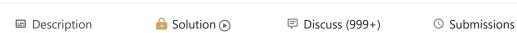




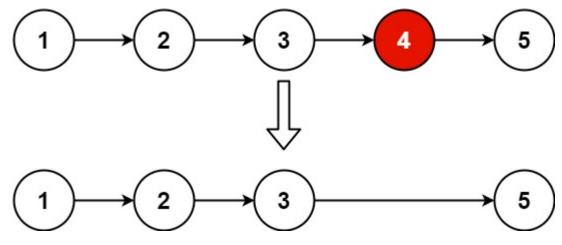
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19. Remove Nth Node From End of List

Given the head of a linked list, remove the nth node from the end of the list and return its head.

Example 1:



Input: head = [1,2,3,4,5], n = 2

Output: [1,2,3,5]

Example 2:

Input: head = [1], n = 1
Output: []

Example 3:

Input: head = [1,2], n = 1
Output: [1]

Constraints:

- The number of nodes in the list is sz.
- 1 <= sz <= 30
- 0 <- Nodo val <- 100

i Java *i* {} 5 ⊕ □ Autocomplete 1 ▼ 2 * Definition for singly-linked list. * public class ListNode { int val; 4 ListNode next; ListNode() {} ListNode(int val) { this.val = val; } 8 ListNode(int val, ListNode next) { this.val = val; this.next = next; } * } 9 */ 10 11 ▼ class Solution { 12 13 ▼ public ListNode removeNthFromEnd(ListNode head, int n) { 14 15 ListNode slowPointer = head; 16 ListNode fastPointer = head; 17 18 //If there is only 1 element then return null 19 if(head.next == null) 20 return null; 21 22 ▼ for(int i = 0; i < n; i++){ 23 fastPointer = fastPointer.next; 24 25 26 //Need to concerned only when n = listSize. In that case we have to remove head. 27 // And in that case fastPointer will be null. Return just the second node. 28 if(fastPointer == null) 29 return head.next; 30 31 ▼ while(fastPointer.next != null){ 32 slowPointer = slowPointer.next; 33 fastPointer = fastPointer.next; 34 35 36 37 slowPointer.next = slowPointer.next.next; 38 39 return head; 40 41

Your previous code was restored from your local storage. Reset to default