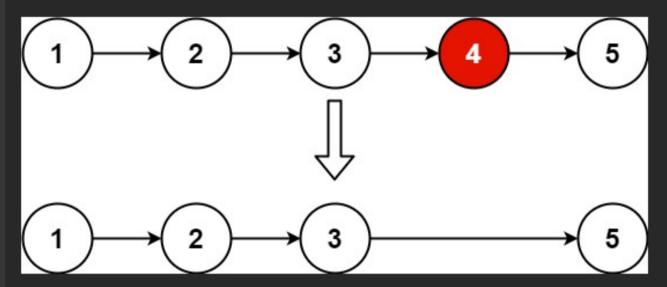
19. Remove Nth Node From End of List

Medium ⚠ 17.3K 🖓 712 🏠 💍

Companies

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: []

Bowe fooce:

Idea - find the Len of the Linked list

2/4 | vr

2 | 2 | 3 + 9

N-n=x

O(N) + O(X) O(N) + O(X) $O(N^{+}N^{-}N)$ $O(2N^{-}n)$ $O(2N^{-}n)$ $O(2N^{-}n)$

for (izo; Kx; i++)

for (izo; Kx; i++)

hup= next

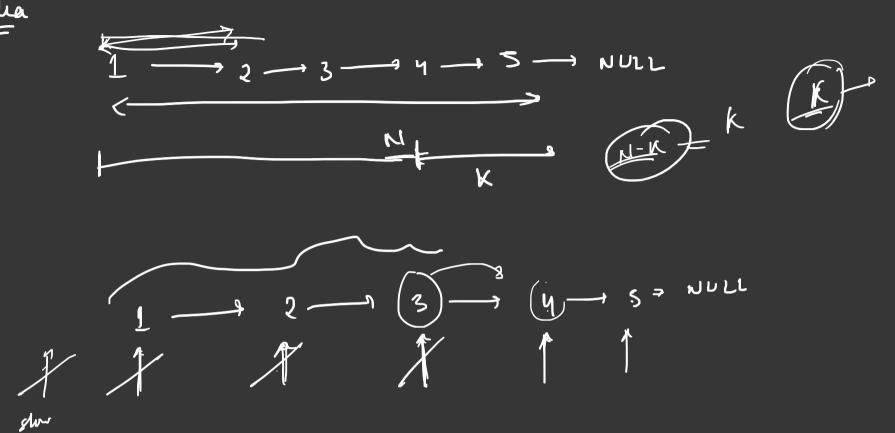
hup= next

he delen = temp= next

delete the todalete.

Worst Com

Idia



o love is Not we make two pointer, One show and fest idea is that we move furt pointer Knine frasters than show and is fest reach and show - next would me noch which is to be deleted.

Prudocodi: start = new Node() //dumny Made Slow = start, fest = start for (i=0; i(1/4; i++) fast fast - next; While (funt - nurt j. NULZ) Now you next fast - fast - mext 8hu - next = silon + wat - next sehm smA - next;

Time Complexity:

D(N)

S.C.: 0(1)