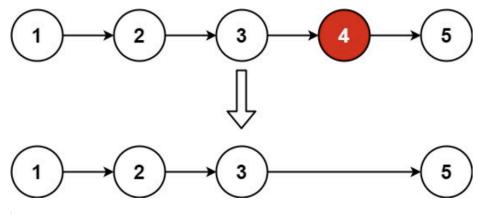


Given the head of a linked list, remove the nth node from the end of the list and return its head.

Example 1:



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

```
/**
* Definition for singly-linked list.
* public class ListNode {
    public var val: Int
     public var next: ListNode?
    public init() { self.val = 0; self.next = nil; }
     public init( val: Int) { self.val = val; self.next = nil; }
     self.next = next; }
* }
* /
class Solution {
  func removeNthFromEnd( head: ListNode?, nint: Int) ->
ListNode? {
      if(nint == 1 && head?.next == nil) {
         return nil
      }
      var fastptr = head
```

```
var ni = nint
      while(ni != 0) {
          fastptr = fastptr?.next
          ni = ni - 1
       }
      var slowptr = head
      var prev: ListNode? = slowptr
      if(fastptr == nil) {
          return head?.next
       }
      while(fastptr != nil) {
          fastptr = fastptr?.next
          prev = slowptr
          slowptr = slowptr?.next
       }
      prev?.next = slowptr?.next
      return head
  }
}
```