```swift
import UIKit
/// 剑指 Offer 18. 删除链表的节点
/// 给定单向链表的头指针和一个要删除的节点的值，定义一个函数删除该节点。
/// 返回删除后的链表的头节点。
/// 输入: head = [4,5,1,9], val = 5
/// 输出: [4,1,9]
/// 解释: 给定你链表中值为 5 的第二个节点，那么在调用了你的函数之后，该链表应变为 4 -> 1 -> 9.
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
    }
    public init(_ val: Int, _ next: ListNode?) {
        self.val = val
        self.next = next
    }
}

class Solution {
    func deleteNode(_ head: ListNode?, _ val: Int) -> ListNode? {
        if head == nil { return head }

        if let firstVal = head?.val {
            if firstVal == val { return head?.next }
        }

        var first = head
        var second = head?.next
        while second != nil {
            if let nodeVal = second?.val {
                if nodeVal == val {
                    let temp = second?.next
                    first?.next = temp
                    second = second?.next
                    return head
                } else {
                    first = first?.next
                    second = second?.next
                }
            }
        }
        return head
    }
}
```