2487. Remove Nodes From Linked List

Solved

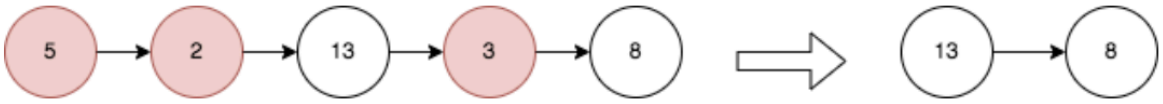
Medium | Topics | Companies | Hint

You are given the `head` of a linked list.

Remove every node which has a node with a greater value anywhere to the right side of it.

Return *the* `head` *of the modified linked list.*

Example 1:




```
Input: head = [5,2,13,3,8]
Output: [13,8]
Explanation: The nodes that should be removed are 5, 2 and 3.
- Node 13 is to the right of node 5.
- Node 13 is to the right of node 2.
- Node 8 is to the right of node 3.
```

Example 2:

```
/**
 * 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; }
 *     public init(_ val: Int, _ next: ListNode?) { self.val = val; self.next
= next; }
 * }
 */
class Solution {
    func removeNodes(_ head: ListNode?) -> ListNode? {
        guard let head = head else { return nil }

        head.next = removeNodes(head.next)
        return head.val < head.next?.val ?? 0 ? head.next : head
    }
}
```