

6247. Remove Nodes From Linked List

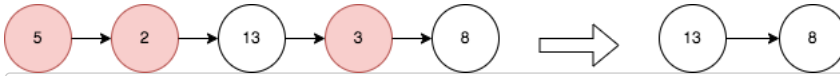
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You are given the `head` of a linked list.

Remove every node which has a node with a **strictly 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:

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

Output: [1,1,1,1]

Explanation: Every node has value 1, so no nodes are removed.

Constraints:

- The number of the nodes in the given list is in the range $[1, 10^5]$.
- $1 \leq \text{Node.val} \leq 10^5$

JavaScript



```

1 const getAllData = (list) => {
2   let res = [];
3   let current = list;
4   while (current) {
5     res.push(current.val);
6     current = current.next;
7   }
8   return res;
9 };
10
11 const createL = (a) => {
12   let tmp, node = null, n = a.length;
13   for (let i = n - 1; ~i; i--) {
14     if (!node) {
15       node = new ListNode(a[i]);
16     } else {
17       tmp = new ListNode(a[i]);
18       tmp.next = node;
19       node = tmp;
20     }
21   }
22   return node;
23 };
24
25 const removeNodes = (head) => {
26   let a = getAllData(head), n = a.length, res = [], max = Array(n).fill(0);
27   max[n - 1] = a[n - 1];
28   for (let i = n - 2; i >= 0; i--) max[i] = Math.max(max[i + 1], a[i]);
29   for (let i = 0; i < n; i++) {
30     if (max[i] <= a[i]) res.push(a[i]);
31   }
32   return createL(res);
33 };
  
```

☐ Custom Testcase

Use Example Testcases

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