1474. Delete N Nodes After M Nodes of a Linked List Premium

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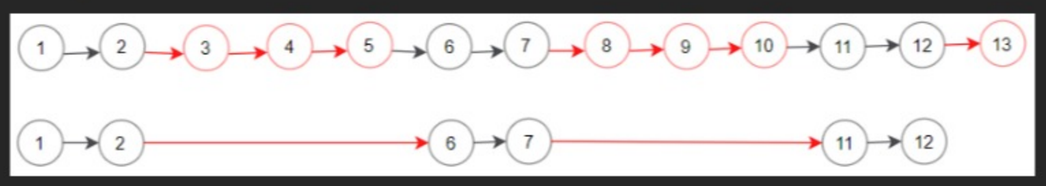
You are given the `head` of a linked list and two integers `m` and `n`.

Traverse the linked list and remove some nodes in the following way:

- Start with the head as the current node.
- Keep the first `m` nodes starting with the current node.
- Remove the next `n` nodes
- Keep repeating steps 2 and 3 until you reach the end of the list.

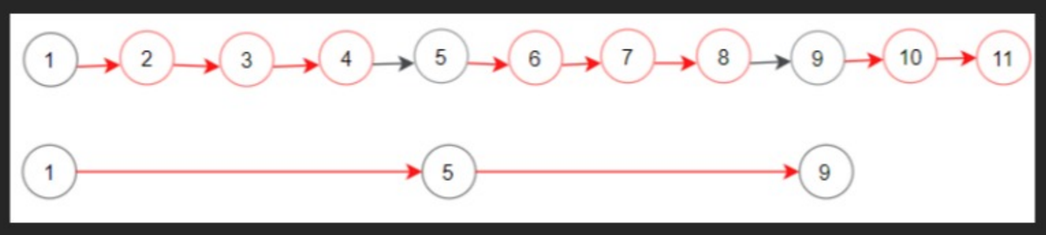
Return *the head of the modified list after removing the mentioned nodes.*

Example 1:




```
Input: head = [1,2,3,4,5,6,7,8,9,10,11,12,13], m = 2, n = 3
Output: [1,2,6,7,11,12]
Explanation: Keep the first (m = 2) nodes starting from the head of the linked List  (1 ->2) show in black nodes.
Delete the next (n = 3) nodes (3 -> 4 -> 5) show in read nodes.
Continue with the same procedure until reaching the tail of the Linked List.
Head of the linked list after removing nodes is returned.
```

Example 2:




```
Input: head = [1,2,3,4,5,6,7,8,9,10,11], m = 1, n = 3
Output: [1,5,9]
Explanation: Head of linked list after removing nodes is returned.
```

Constraints:

- The number of nodes in the list is in the range $[1, 10^4]$.
- $1 <= Node.val <= 10^6$
- $1 <= m, n <= 1000$

Follow up: Could you solve this problem by modifying the list in-place?

Seen this question in a real interview before? 1/5

Yes No

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Microsoft 2

Hint 1

Traverse the Linked List, each time you need to delete the next n nodes connect the nodes previous deleting with the next node after deleting.

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