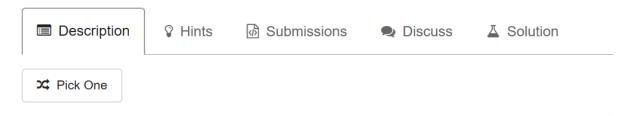
## 19. Remove Nth Node From End of List



Given a linked list, remove the *n*-th node from the end of list and return its head.

## Example:

```
Given linked list: 1->2->3->4->5, and n=2.

After removing the second node from the end, the linked list becomes 1->2->3->5.
```

## Note:

Given *n* will always be valid.

## Follow up:

Could you do this in one pass?

Date / 612 1コーフローフローフロー N=2、即門除日 大部トカナニー (为什么n+1). 国方要12書 国山南) 大尼昌 塔(U)タア)月配合教。 fo 早 P. next=0.null. 僧. cur. next=EUr. next.ne 但其中有 ID 一口 B n=2 、结果这女2 图的果中亚特第一步了。p=null.
12i) Veturn head.nxt

```
public class L19 {
     public class ListNode {
              int val;
              ListNode next;
              ListNode(int x) { val = x; }
          }
     public ListNode removeNthFromEnd(ListNode head, int n) {
         if(head == null)
             return null;
            ListNode p = head;
            for(int i = 0; i < n; i ++) {</pre>
                p = p.next;
                if(p == null) {
                     if(i == n-1) {
                         return head.next;
                     }else {
                         return null;
                     }
                 }
            ListNode cur = head;
            while (p.next != null) {
                p = p.next;
                cur = cur.next;
            cur.next = cur.next.next;
            return head;
    }
```