

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class LinkedList {
4   constructor(value) {
5     this.value = value;
6     this.next = null;
7   }
8 }
9
10 // O(n) time | O(1) space
11 function removeKthNodeFromEnd(head, k) {
12   let counter = 1;
13   let first = head;
14   let second = head;
15   while (counter <= k) {
16     second = second.next;
17     counter++;
18   }
19   if (second === null) {
20     head.value = head.next.value;
21     head.next = head.next.next;
22     return;
23   }
24   while (second.next !== null) {
25     second = second.next;
26     first = first.next;
27   }
28   first.next = first.next.next;
29 }
30
31 exports.LinkedList = LinkedList;
32 exports.removeKthNodeFromEnd = removeKthNodeFromEnd;
33
```

Solution 1

Solution 2

Solution 3

```
1 // This is an input class. Do not edit.
2 class LinkedList {
3   constructor(value) {
4     this.value = value;
5     this.next = null;
6   }
7 }
8
9 function removeKthNodeFromEnd(head, k) {
10   // Write your code here.
11 }
12
13 // Do not edit the line below.
14 exports.LinkedList = LinkedList;
15 exports.removeKthNodeFromEnd = removeKthNodeFromEnd;
16
```

**Run or submit code when you're ready.**