

□ Discuss (999+)

Submissions







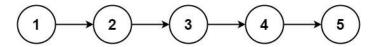


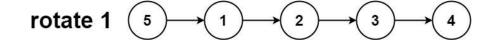
Description

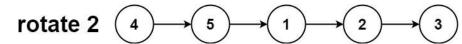
6 Solution

Given the head of a linked list, rotate the list to the right by k places.

Example 1:



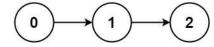




Input: head = [1,2,3,4,5], k = 2

Output: [4,5,1,2,3]

Example 2:



rotate 1 $(2) \rightarrow (0) \rightarrow (1)$

rotate 2 (1) (2) (0)

rotate 3 $0 \longrightarrow 1 \longrightarrow 2$

rotate 4 $(2) \longrightarrow (0) \longrightarrow (1)$

```
i Java
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              Autocomplete
              LISCHOULE(INC VAI) { CHIS.VAI = VAI, }
 8
              ListNode(int val, ListNode next) { this.val = val;
       this.next = next; }
9
        */
10
      class Solution {
11
12
13
           public ListNode rotateRight( ListNode head, int k ) {
14
               if (head == null | head.next == null)
15
                   return head;
16
               else if (k == 0)
17
18
                   return head;
19
20
               ListNode tempNode = head;
               int listSizeCounter = 0;
21
22
23
               while (tempNode != null) {
24
                   listSizeCounter++;
25
                   tempNode = tempNode.next;
               }
26
27
28
               k = k % listSizeCounter;
29
30
               if(k == 0)
31
                   return head;
32
33
               tempNode = head;
34
35
               for (int i = 0; i < listSizeCounter - k - 1; i++)</pre>
36
                   tempNode = tempNode.next;
37
38
               ListNode reverseStart = tempNode.next;
39
40
               tempNode.next = null;
41
               tempNode = reverseStart;
42
43
               while (tempNode != null && tempNode.next != null) {
44
                   tempNode = tempNode.next;
45
               }
46
47
               tempNode.next = head;
48
               head = reverseStart;
49
```

Submit