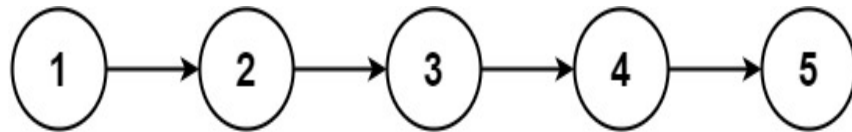


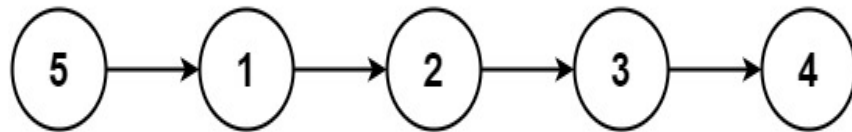
61. Rotate List

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

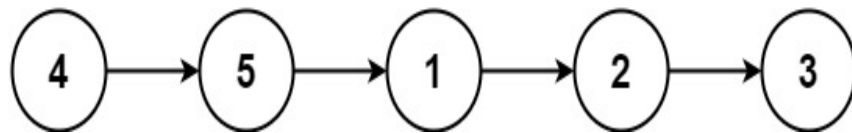
Example 1:



rotate 1



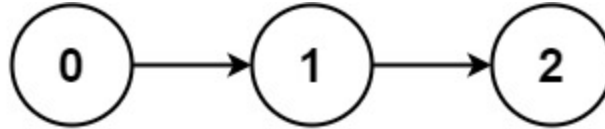
rotate 2



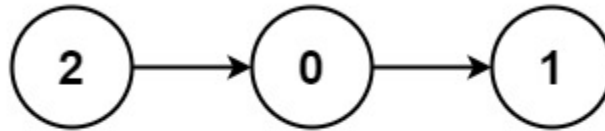
Input: head = [1,2,3,4,5], k = 2

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

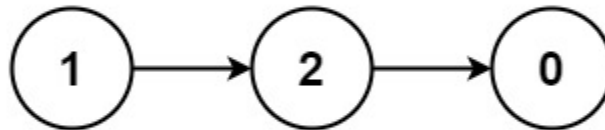
Example 2:



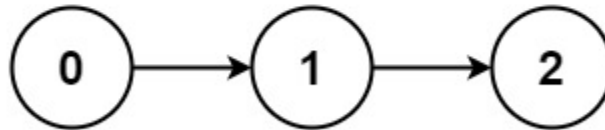
rotate 1



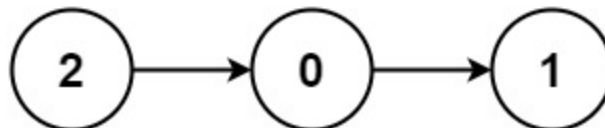
rotate 2



rotate 3



rotate 4



Input: head = [0,1,2], k = 4

Output: [2,0,1]

Constraints:

The number of nodes in the list is in the range $[0, 500]$.

$-100 \leq \text{Node.val} \leq 100$

$0 \leq k \leq 2 * 10^9$