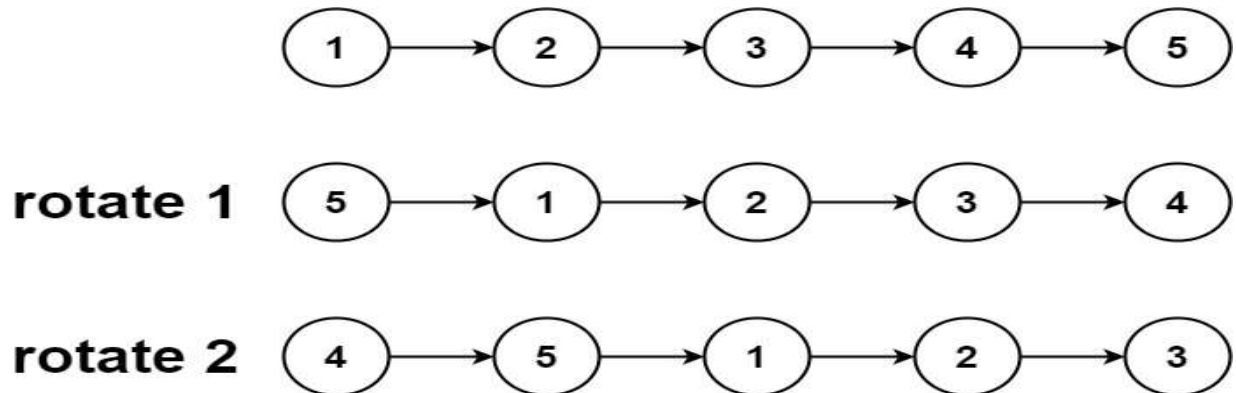


## Rotate List

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

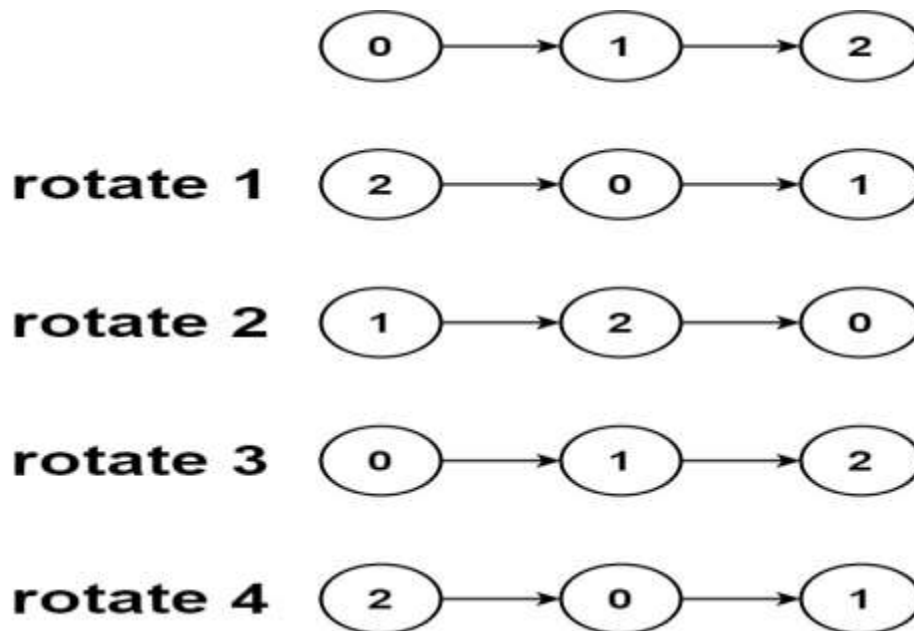
Example 1:



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

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

Example 2:



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].
- $-100 \leq \text{Node.val} \leq 100$
- $0 \leq k \leq 2 * 10^9$