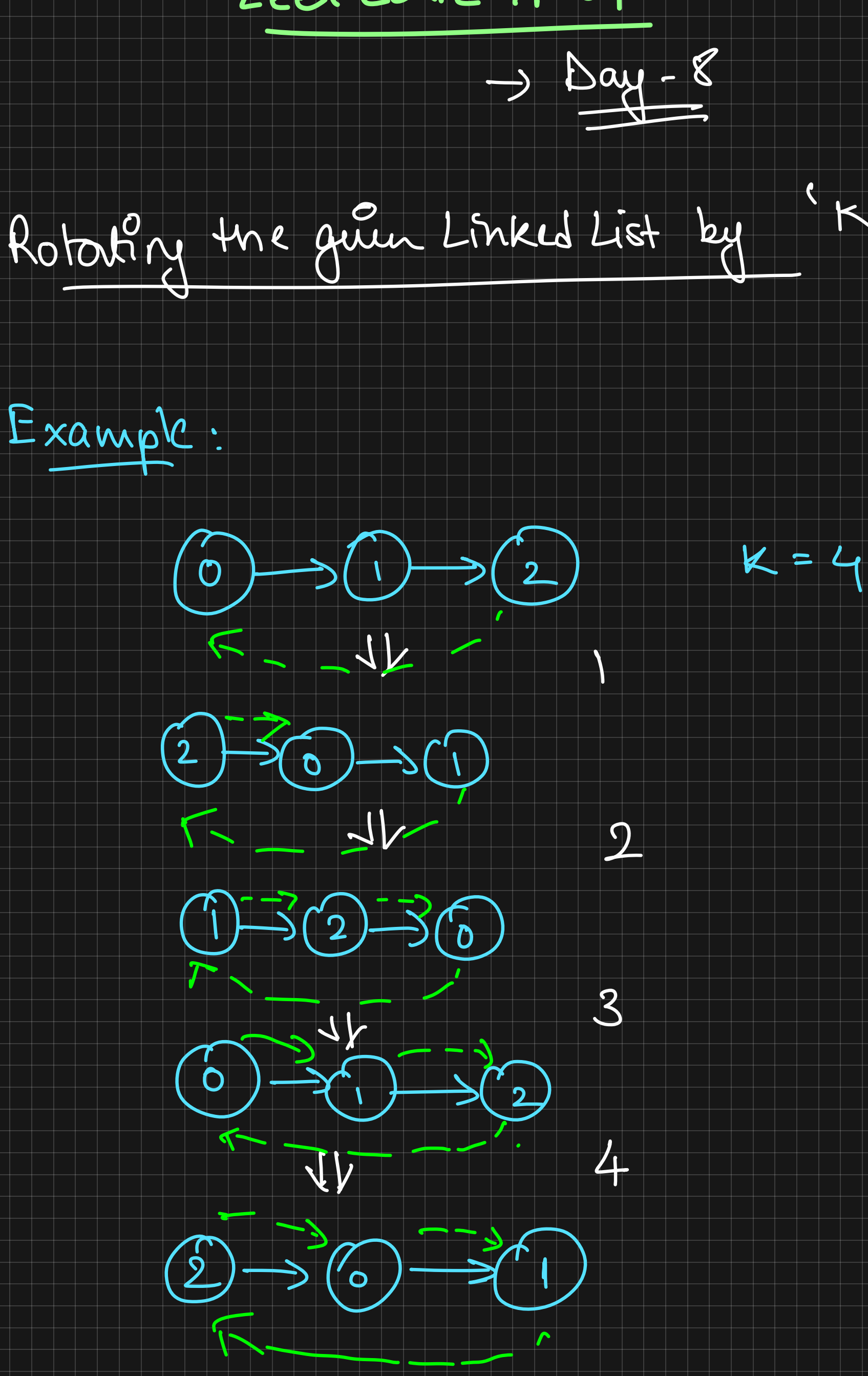
Leet Code #61

→ Day - 8

Rotating the given Linked List by 'k'

Example :



Approach

① Main Idea is to convert the singly linked list into a circular linked list.

② We find the length of the linked list

③ Initialize new variables, such as newHead and tail to denote the tail and the new Head of the resultant list.

④ Calculate k if it is larger than length of List. (Reducing it)

$k = k \% l$

⑤ Traverse to the location/Node from where the new Linked list should Start.

int pos = size - k

⑥ The Node next to the tail becomes the new Head.

⑦ Break the Circular Linked List back to a Singly Linked List by setting

tail ->next = NULL.

return the new Head.