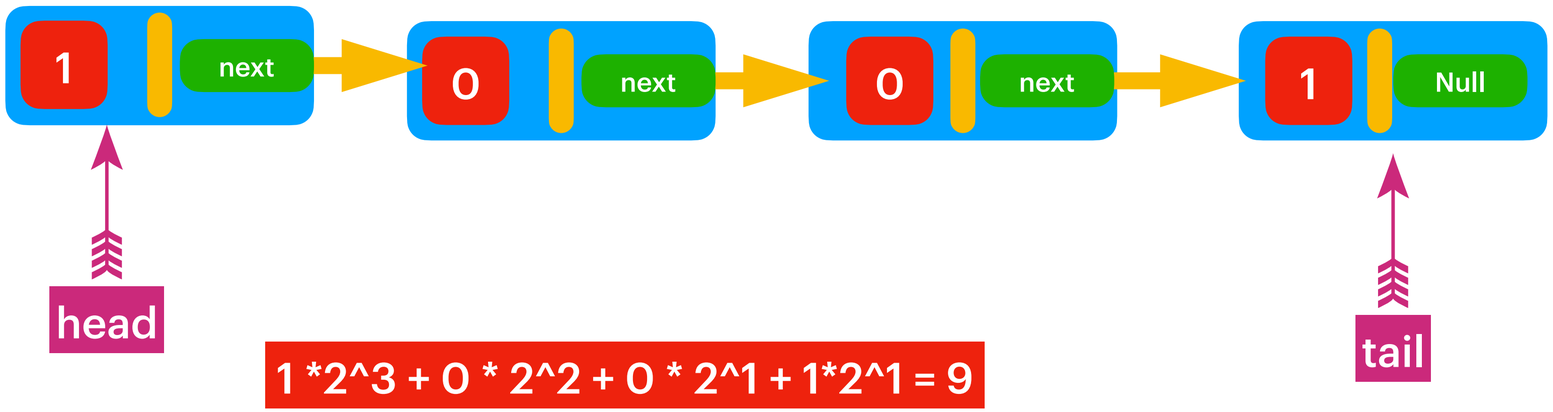
Convert Binary Number in a Linked List to Integer.

Given head which is a reference node to a singly-linked list. The value of each node in the linked list is either 0 or 1. The linked list holds the binary representation of a number.

Return the decimal value of the number in the linked list.



1 *2^3 + 0 * 2^2 + 0 * 2^1 + 1*2^1 = 9

Input: head = [1,1,0,1]
Output: 13
Explanation: (1101) in base 2 = (3)

Input: head = [1,0,1]
Output: 5
Explanation: (101) in base 2 = (5)

Input: head = [1,0,0,0]
Output: 8
Explanation: (10000) in base 2 = (8)

Input: head = [0,0]
Output: 0
Explanation: (0000) in base 2 = 0

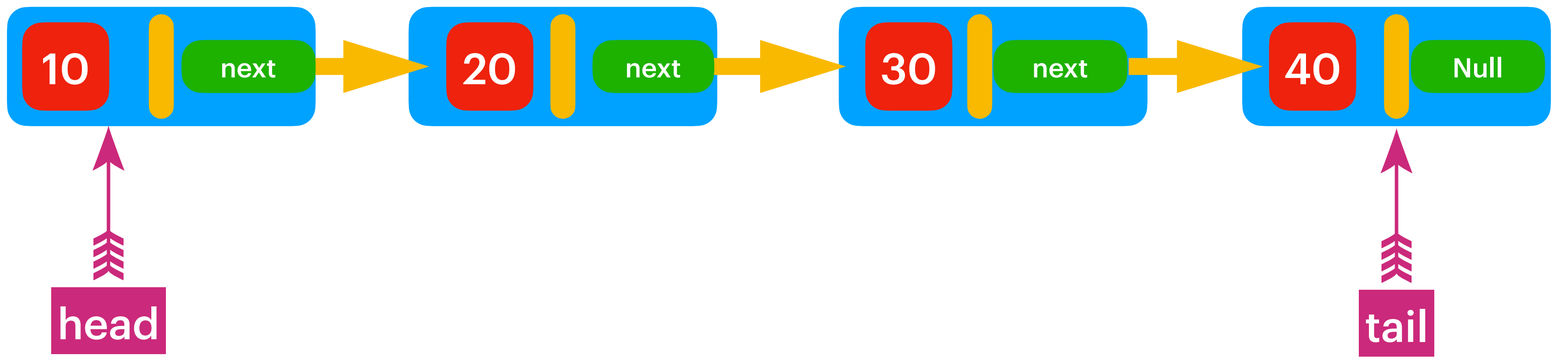
Input: head = [1]
Output: 1
Explanation: (1) in base 2 = 1

Print Immutable Linked List in Reverse

An immutable List can not be modified .

Ex: [10->20->30->40->null]

Output : 40,30,20,10



Reverse The LinkedList

Ex Input: [10->20->30->40->null]

Output : [40->30->20->10->null]

Hint :

After reverse for the CurrentNode, previous Node is going to be the nextNode.