



Description

Editorial

Solutions (4.4K)

Submissions

1290. Convert Binary Number in a Linked List to Integer

Hint

Easy



3.8K

147



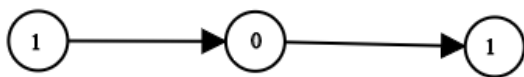
Companies

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.

The **most significant bit** is at the head of the linked list.

Example 1:



Input: `head = [1,0,1]`

Output: 5

Explanation: (101) in base 2 = (5) in base 10

Example 2:

Input: `head = [0]`

Output: 0



Solve today's Daily Challenge to refresh your streak!



reverseList

```

15     ListNode current = reverseNode;
16     int k=0;
17     int sum = 0;
18     while(current != null) {
19         int data = current.val;
20         sum = sum + data*(int)Math.pow(2, k);
21         current = current.next;
22     }
23     return sum;
24 }
25 return 0;
26 }
27 public ListNode reverseList(ListNode head) {
28     if(head != null) {
29         ListNode current = head;
30         ListNode next = null;
31         ListNode prev = null;
32         while(current != null) {
33             next = current.next;
34             current.next = prev;
35             prev = current;
36             current = next;
37         }
38         if(prev != null) {
39             head = prev;
40         }
41     }
  
```

Console ^



Run

Subr