**Approach 1: Binary representation**

1. Start from head
2. For each val multiply progressively by 2
3. Return result

**CODE:**

temp=head

decimal = 0

while temp:

decimal = decimal \* 2 + temp.val

temp = temp.next

return decimal

* Time complexity: O(N)
* Space complexity: O(1)

**Approach 2: Bitwise Operation**

1. Num = num << 1 | next num

**CODE:**

num = head.val

while head.next:

num = (num << 1) | head.next.val

head = head.next

return num

* Time complexity: O(N)
* Space complexity: O(1)