Problem Link:

<https://leetcode.com/problems/convert-binary-number-in-a-linked-list-to-integer/?envType=daily-question&envId=2025-07-14>

Solution:

/\*\*

\* Definition for singly-linked list.

\* struct ListNode {

\* int val;

\* ListNode \*next;

\* ListNode() : val(0), next(nullptr) {}

\* ListNode(int x) : val(x), next(nullptr) {}

\* ListNode(int x, ListNode \*next) : val(x), next(next) {}

\* };

\*/

class Solution {

public:

int getDecimalValue(ListNode\* head) {

int s = 0;

while(head)

{

s = (s << 1) | head->val;

head = head->next;

}

return s;

}

};