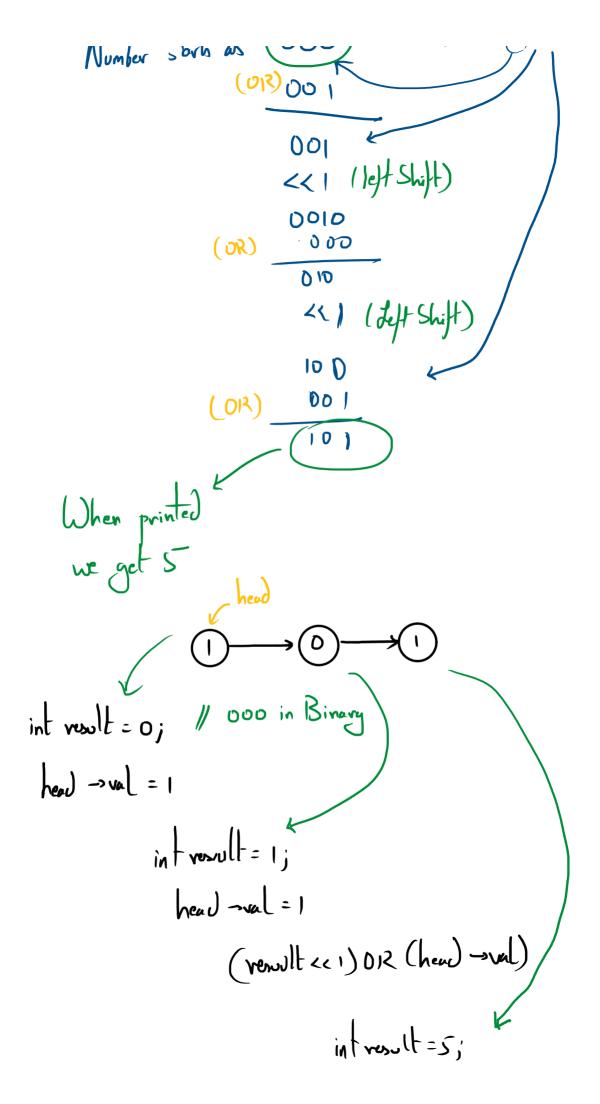
1230
Convert Binary Number in a Linked List to Integer:
-> hiven: allead of a Single dinked dist -> Each value is a lit of a number
-> Each value is a lit of a number
-> Result is the rumbor in decimal.
Ans > -> Reverse the Linked List
Ans > Reverse the Linked List -> Stevente Through the value and calculate the decimal number
1) over inal list
1
1 × veresed List
\downarrow
$Res = 1 \times 2^{0} + 0 \times 2^{1} + 1 \times 2^{2}$
= <i>S</i>
Better Way -> Bit Manipulation:
L> No Entra Space or Reversing the list
Enplanation of Bit Manipulation: intres = 0;
Number start as 0000 we need (1)01
• • • • • • • • • • • • • • • • • • •



intresult=5;

hew = al = 1

(result = 1) or (hew > ral)