

(1) \rightarrow (2) \rightarrow (4) \rightarrow (3) trivially
 (5) \rightarrow (6) \rightarrow (4) thought
 (7) \rightarrow (10) \rightarrow (7) process

Case (2) \Rightarrow

$(9 \rightarrow 9 \rightarrow 9 \rightarrow 9 \rightarrow 9 \rightarrow 9 \rightarrow 9)$
 $(9 \rightarrow 9 \rightarrow 9 \rightarrow 9)$

$(8 \rightarrow 9 \rightarrow 9 \rightarrow 9 \rightarrow 0 \rightarrow 6 \rightarrow 1)$

8, 9, 9, 9, 0, 6, 1

5 → 6 → 7

3 → 7 → 9

~~6~~ → ~~9~~ → 0 → ~~8~~

13 → $n/10 = 3$

$n \% 10 = 1$

2 → 4 → 3

5 → 6 → 4

new node

try each
Thought
Process

(7)



temp

newNode = next = temp

temp = newNode

sum = 0;

while (l1 != null & l2 != null)

sum = l1.val + l2.val + sum;

if (sum < 10)

newNode = node list(sum)

sum = 0;

else {

newNode = new Node(sum/10)

sum = sum / 10;

}

[

if (AnsNode == null) {

AnsNode = newNode;

}

else

{

$\text{new Node.next} = \text{AnsNode}$
 $\text{AnsNode} = \text{new Node}$

}

$l_1 = l_1 \rightarrow \text{next}$

$l_2 = l_2 \rightarrow \text{next}$

} while end.

while ($l_1 \neq \text{null}$) {

$\text{sum} = \text{sum} + l_1 \rightarrow \text{val}$

if ($\text{sum} > 9$) {

$\text{new Node} = \text{new Node} (\text{sum} \% 10)$

```

    sum = sum / 10;
} else { newnode = new Node(sum);
        sum = 0;
} newnode.next = AnsNode;
AnsNode = newnode;
l1 = l1.next;

```

```

} while (l2 != null) {
    sum = sum + l2.val;
    if (sum > 9) {
        newnode = new Node(sum / 10);
    }
}

```

Sum = Sum / 10;

} else {
newNode = new (S_n)

Sum = 0;

}
newNode->next = AnsNode
AnsNode = newNode;

l2 = l2->next;

}

}