

*arr.
head = new node.

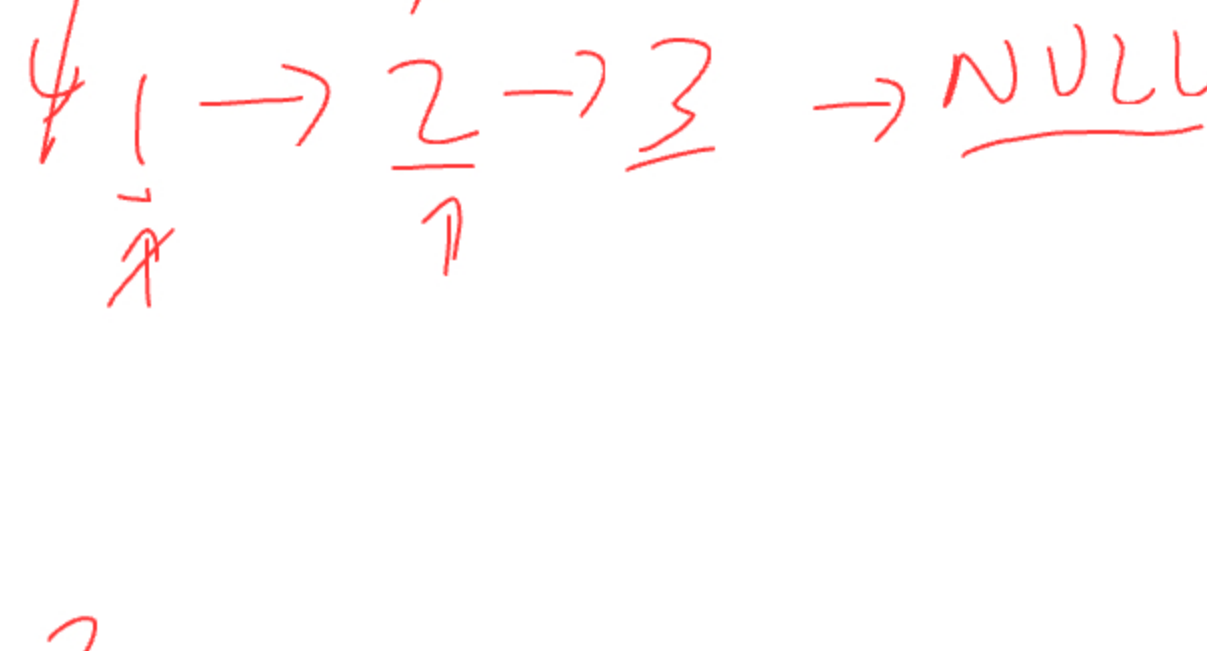
HEAD
0 → 1 → 2 → 3 → NULL



nh → next = head
head = nh

I/P head = NULL

O/P head 0 → NULL



1, 2, 3

I/P: 1 → 2 → 3 → N

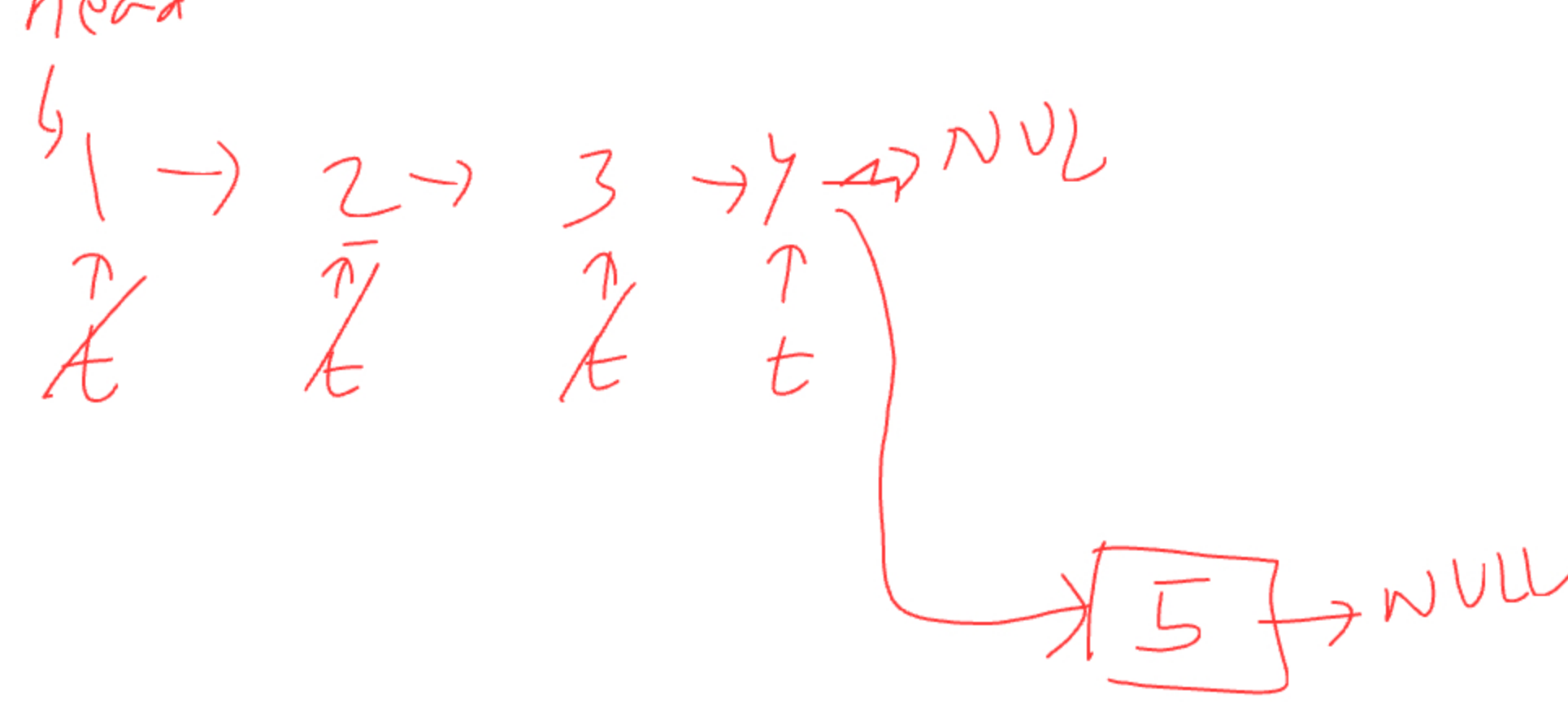
O/P: 1 → 2 → 3 → 4 → N

t
1 → 2 → 3 → N
4

temp → next = nh

3 → next = NULL

NULL → data
NULL → next } → NPE.



5

data = 5

I/P: 1 → 2 → 3 → 4 → 6 → N

data = 5
pos = 4

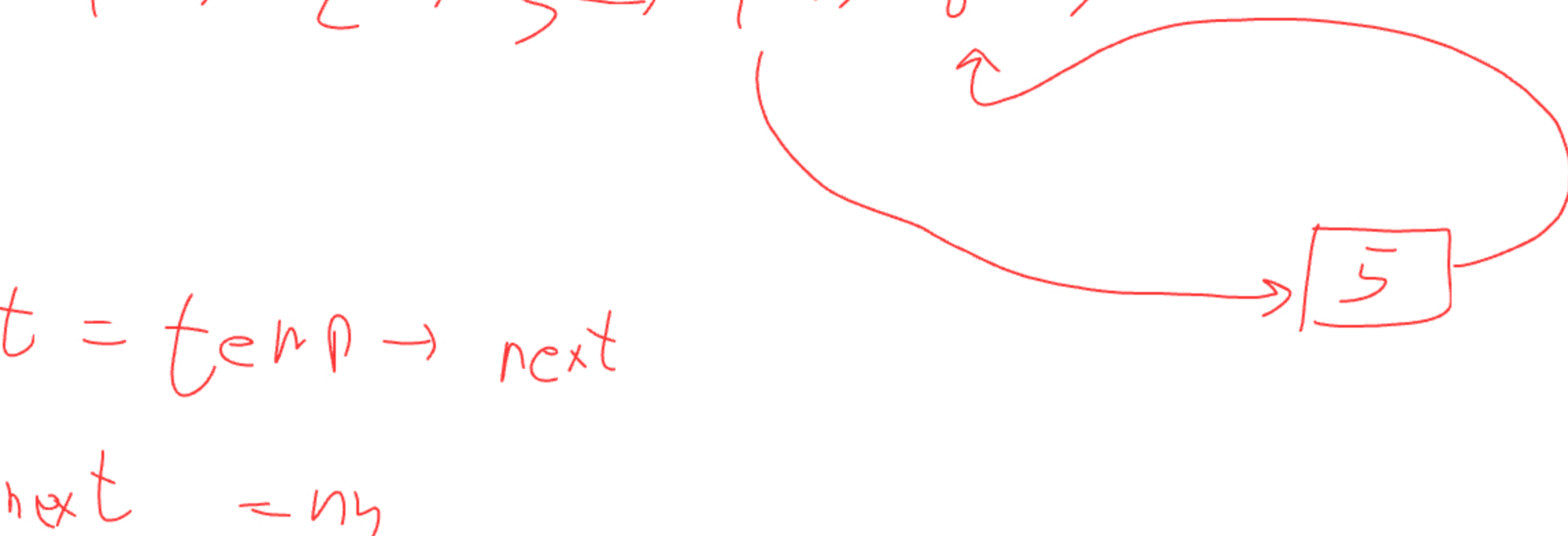
O/P: 1 → 2 → 3 → 4 → 5 → 6 → N

h 1 → 2 → 3 → 4 → 6 → N

t2 = temp → next

temp → next = nh

nh → next = t2



nh → next = temp → next

temp → next = nh

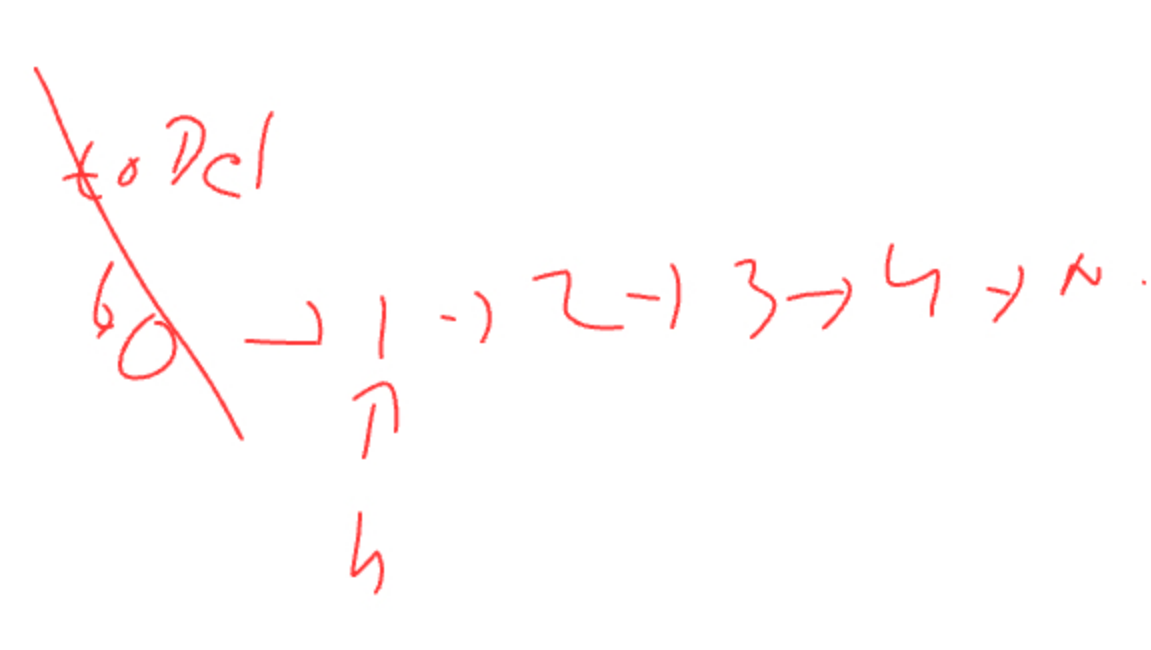
I/P: 0 → 1 → 2 → 3 → 4 → N

O/P: 1 → 2 → 3 → 4 → N

toDel = head

head = head → next

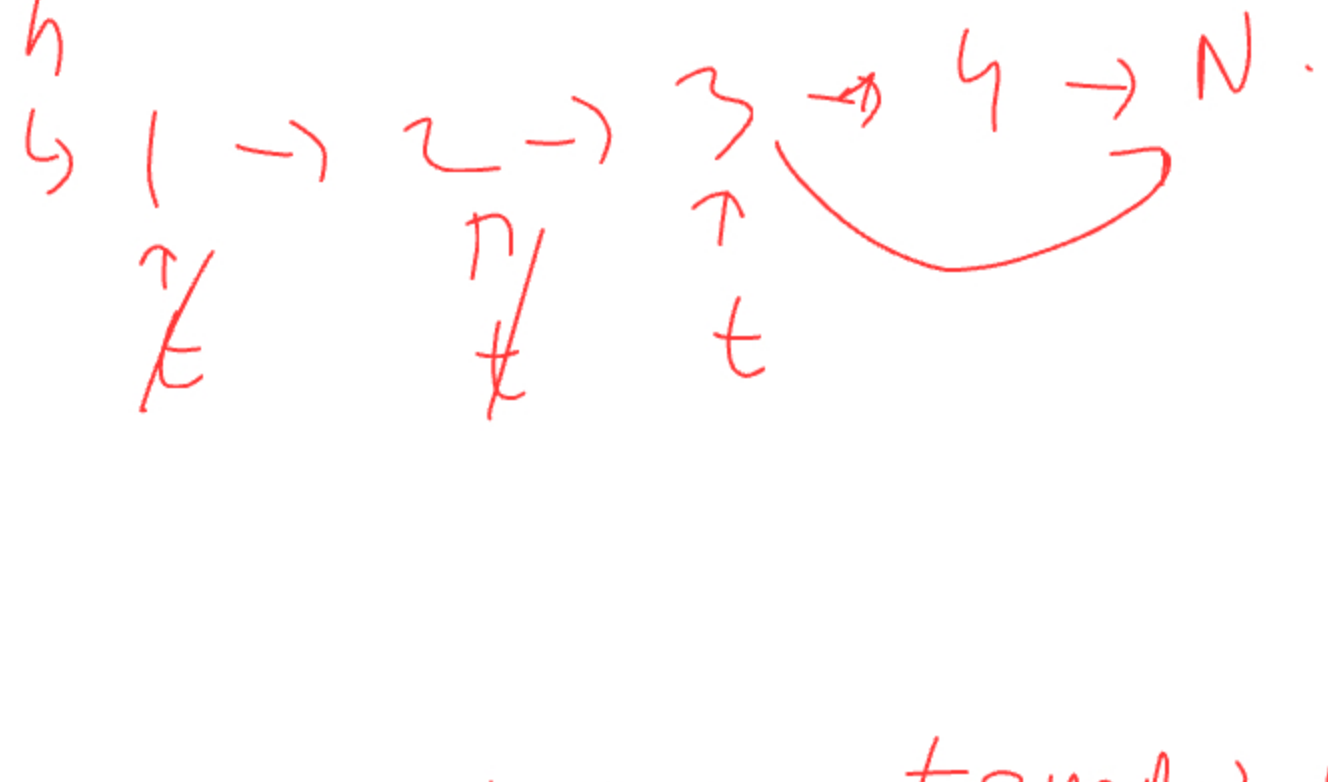
delete (toDel)



I/P: 1 → 2 → 3 → 4 → N

O/P: 1 → 2 → 3 → N

temp → next → next 1 = NULL



toDel = temp → next

temp → next = NULL

del (toDel)

I/P: 1 → 2 → 3 → 4 → 5 → N

pos = 2

O/P: 1 → 2 → 4 → 5 → N

(pos - 1) hops

h 1 → 2 → 3 → 4 → 5 → N

toDel = temp → next

temp → next = temp → next → next

del (toDel)

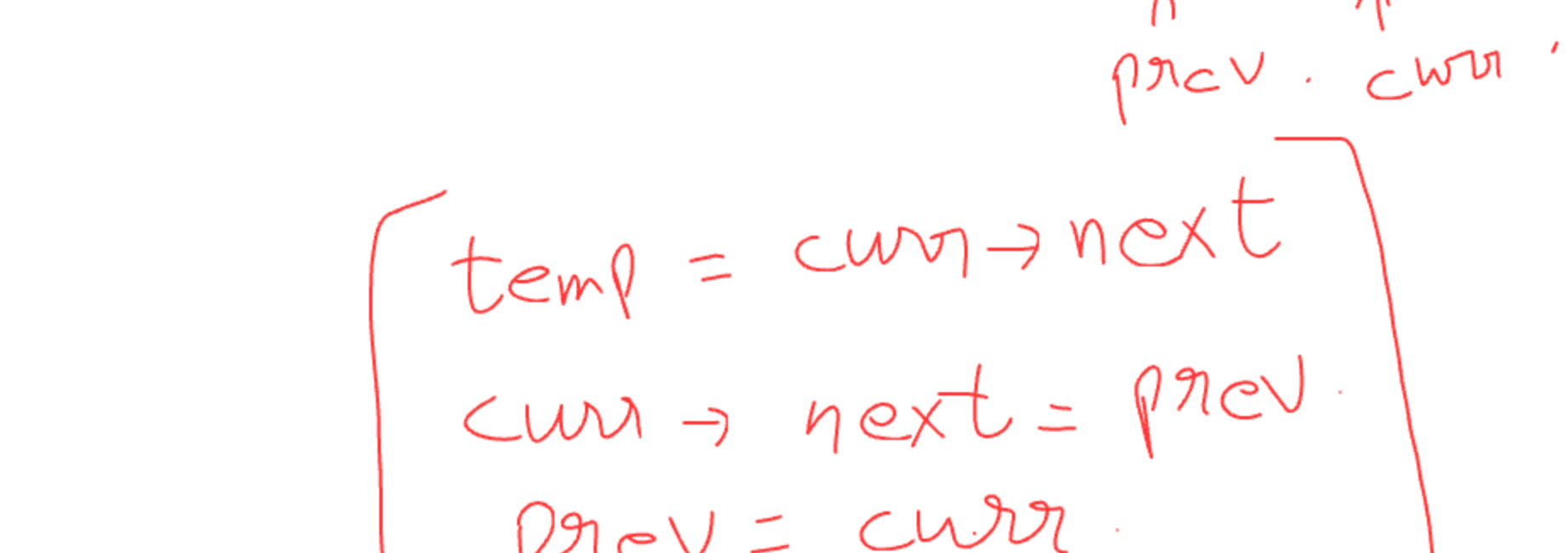
1 → 2 → 3 → 4 → 5 → 6 → 7 → N

1 → 2 → 3 → 4 → 5 → 6 → 7 → N

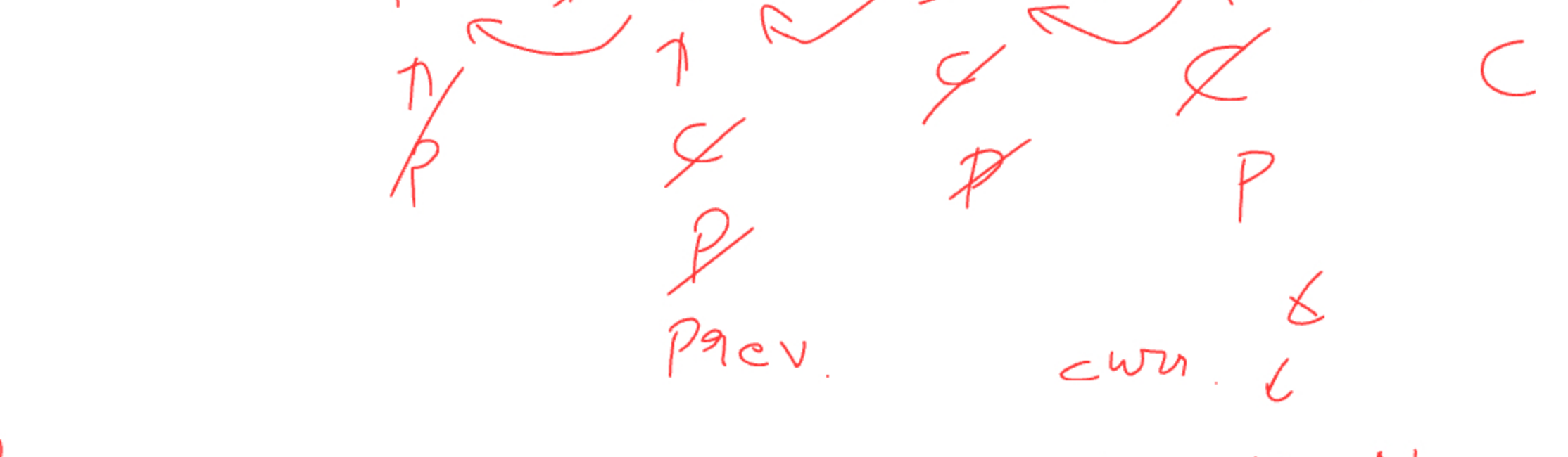
I/P: 1 → 2 → 3 → 4 → 5 → N

O/P: 5 → 4 → 3 → 2 → 1 → N

N ← 1 ← 2 ← 3 ← 4 ← 5



temp = curr → next
curr → next = prev
prev = curr
curr = temp



N ← 1 ← 2 ← 3 ← 4 → 5 → N