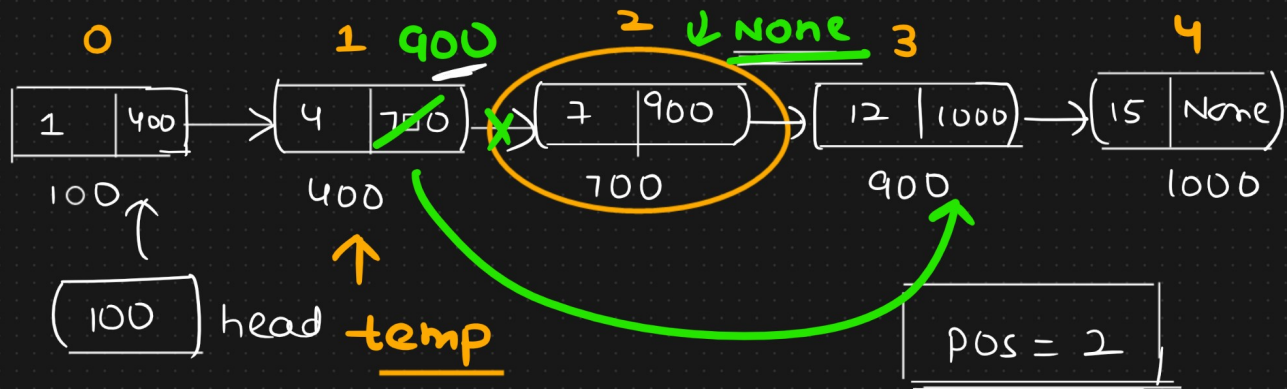


## Deletion of a node (Linked List)



$\text{temp} = \text{self.head}$   $\text{m} - 1$   
( $\text{m}$ )

$\text{temp} = 400$   
 ~~$\text{temp} = 100$~~

$i = 0$ ,

for  $i$  in range( $\text{pos} - 1$ ):

$\text{temp} = \text{temp.next}$

if  $\text{temp}$  is None:

return

900

↓

(900)

$\text{tempPtr}$

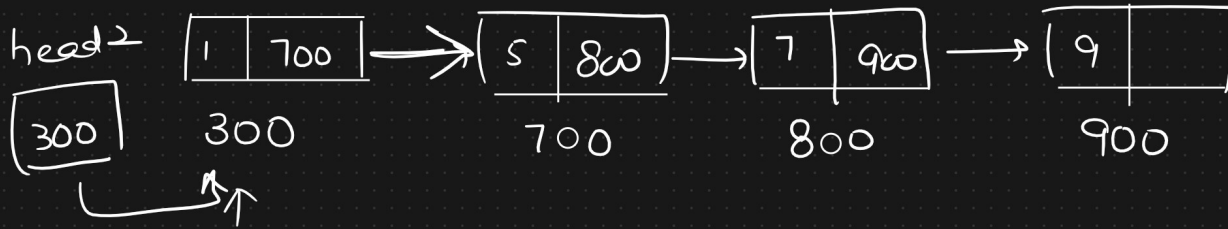
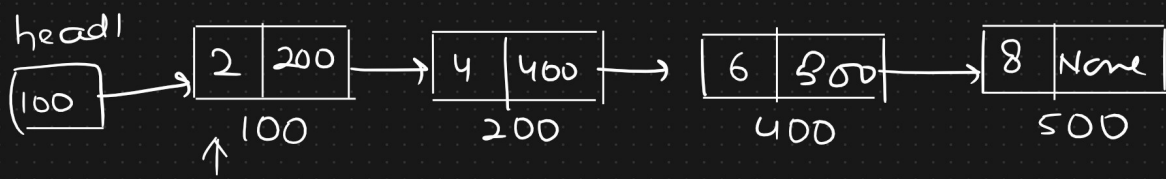
$= \text{temp.next.next}$  ↗

$\text{temp.next} = \text{None}$

$\text{temp.next} = \text{tempPtr}$

<https://discord.com/invite/wyEAPaQEBN>

↳ Please join



temp = 300

It's a Palindrome

Original Linked List → 1 → 0 → 0 → 1

Reversal



Reversal Linked

1 → 0 → 0 → 1

List



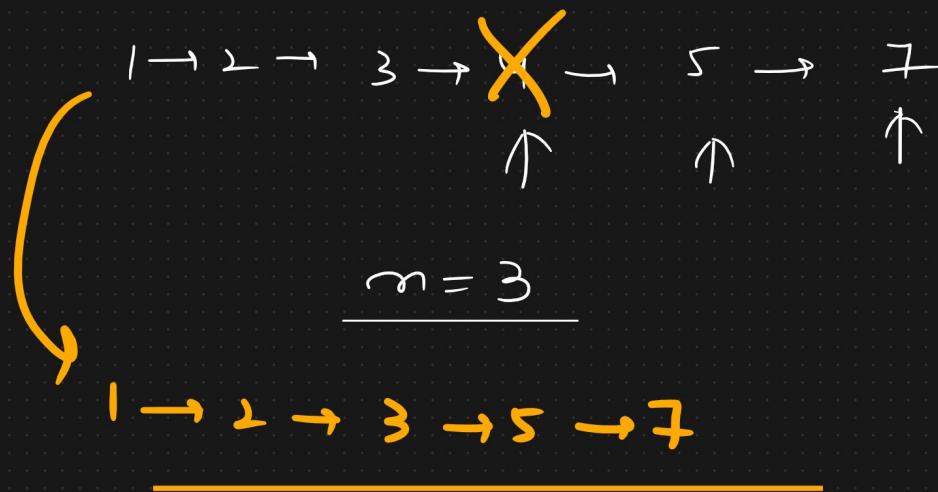
Palindrome

Sort colors

0 → 1 → 0 → 2 → 1 → 0



0 → 0 → 0 → 1 → 1 → 2



1 → 2 → 3 → 4 → 5 → Yes

otherwise  
↳ No

Floyd's cycle detection algo

↳ Skip List → Advance Data Structure

(Optimise the searching in Linked List)

↳ Stack & Queue Data Structure