83. Remove Duplicates from Sorted List

Ex-1 [①→①→②]
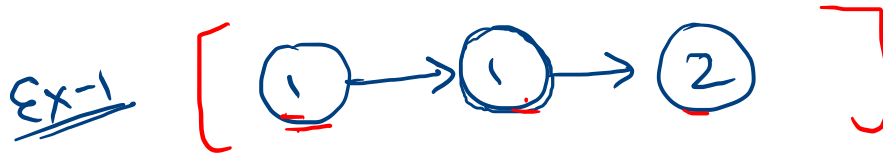
Sol¹: [1, 2]

Ex-2 ①→①→②→③→③ Sorted Duplicate

NULL

Sol¹: [①→②→③]

[Common sense] → Ex

Solⁿ:

head → 1 → 1 → 2 → 3 → 3 → NULL

curr (under first 1), Curr (under 2), curr (under 3)
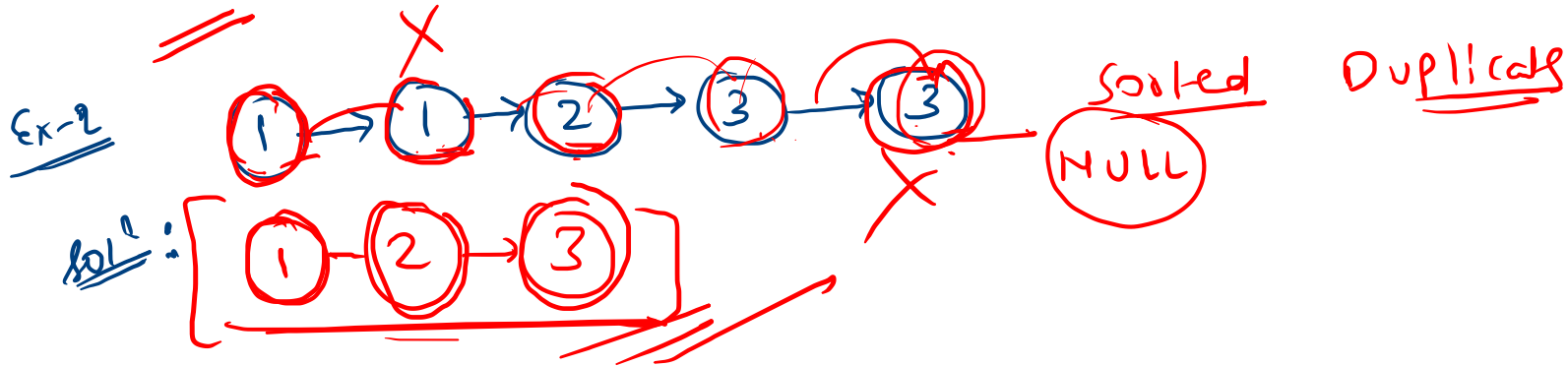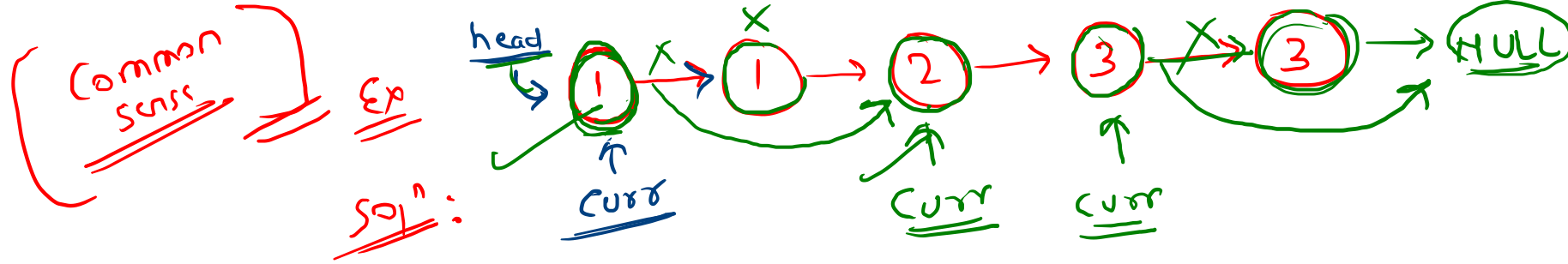
Idea: Simple

→ if [Next node] is same → (SKIP)

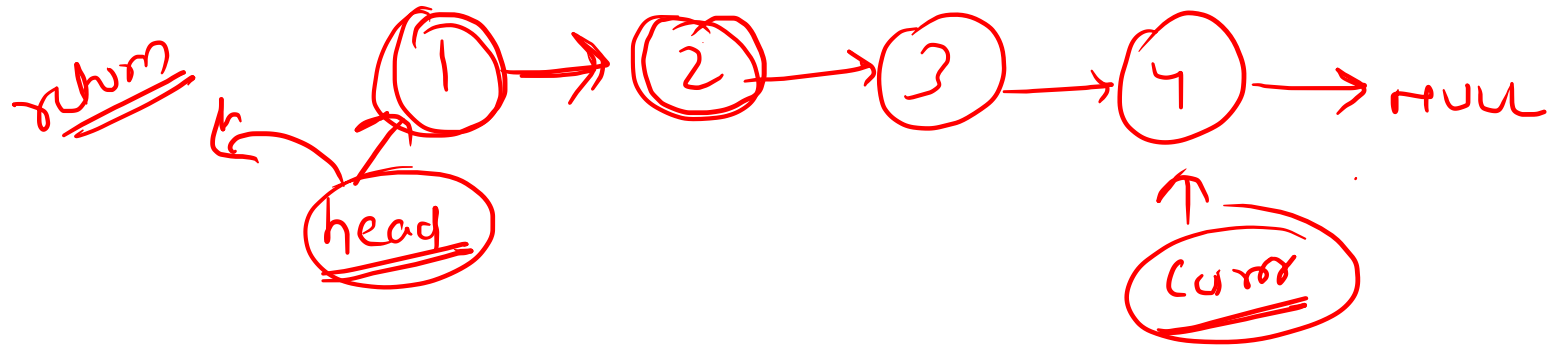→ if [next node] is (! Same) → [move ahead]

Sudo
Code

→ while ([curr != NULL] && [curr→next != NULL])
{
  [if (curr→data == curr→next→data)
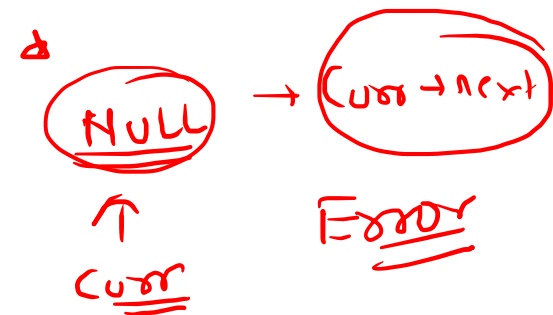   (curr→next) = curr→next→next;]

  else
    curr = (curr→next)
}

curr → next ... nest

curr → 1 → 2 → 3
         curr ... cur

data ↓ next data
  ○ → ○
  ↑
curr

$$(\ Curr \rightarrow next = Curr \rightarrow next \rightarrow next)$$

Curr → next

Curr

Curr → next

return

head

Curr

1 → 2 → 3 → 4 → NULL
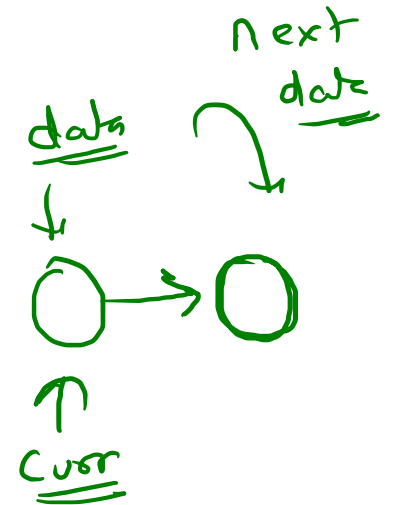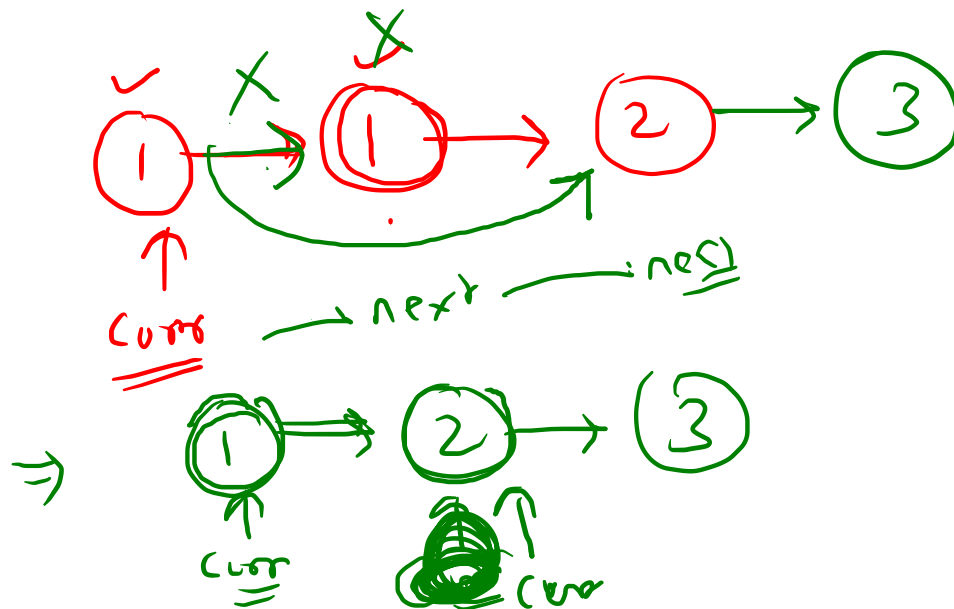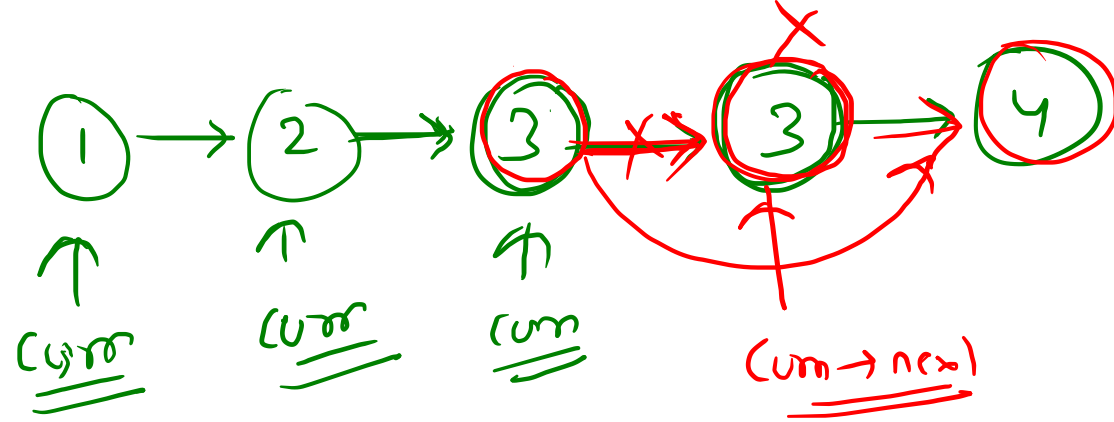
Segmentation Fault (C++)

Null pointer Exception (JAVA)   ] if (Curr != NULL)

Garbage Collection Handle automatic in (JAVA)

Memory leak solve in (C++)

NULL → (Curr → next)

↑
Curr

Error

Node* temp = Curr → next;

delete (temp);

Curr != NULL &&

(Curr → next → Val)

X0 24r

① → ① → ② → ③

curr

Curr
next   delete

dele

if (Curr == NULL)

return Head ;