

Q1: Given a stack, sort it such that top of the stack has the greatest element.

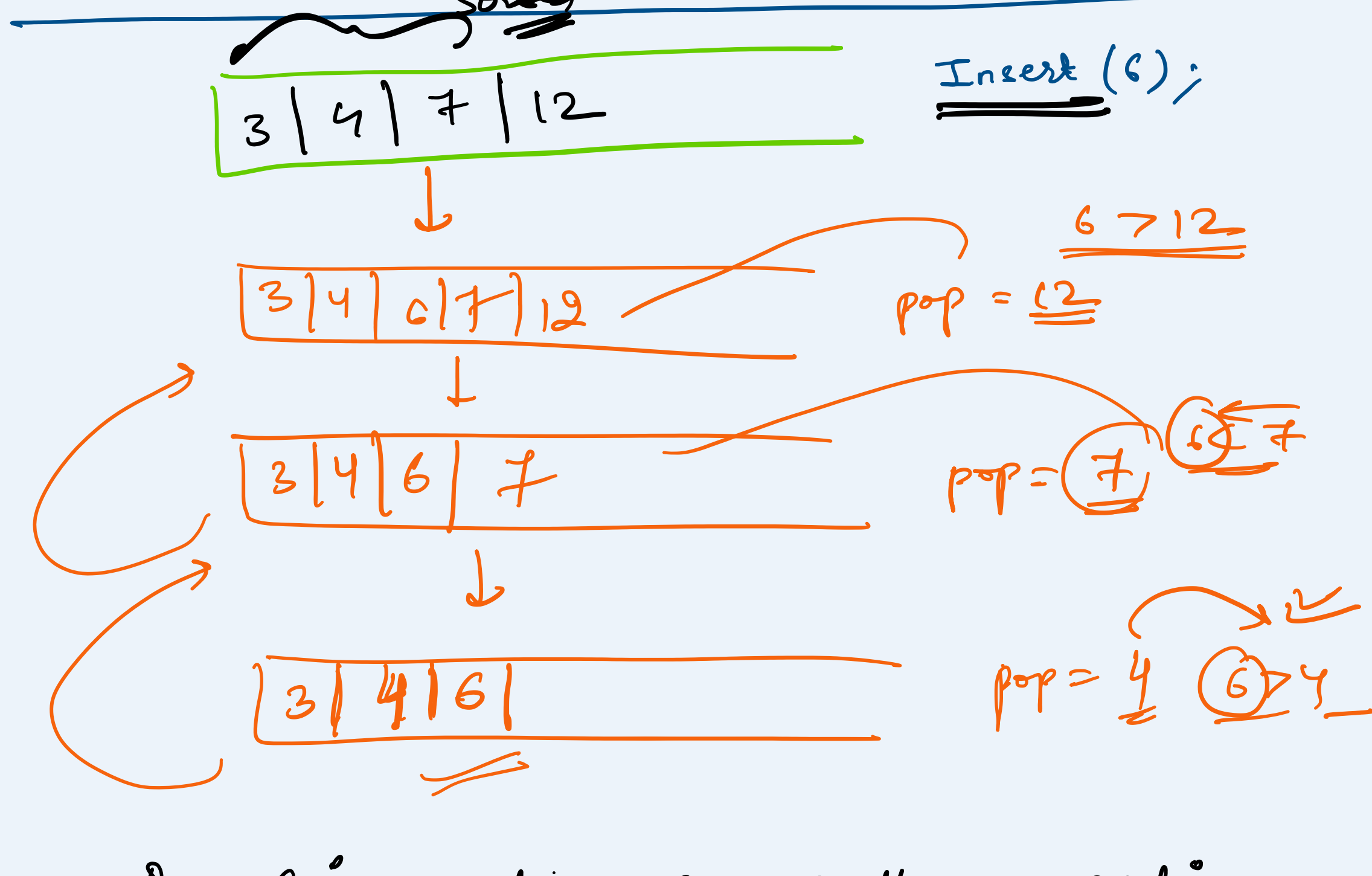
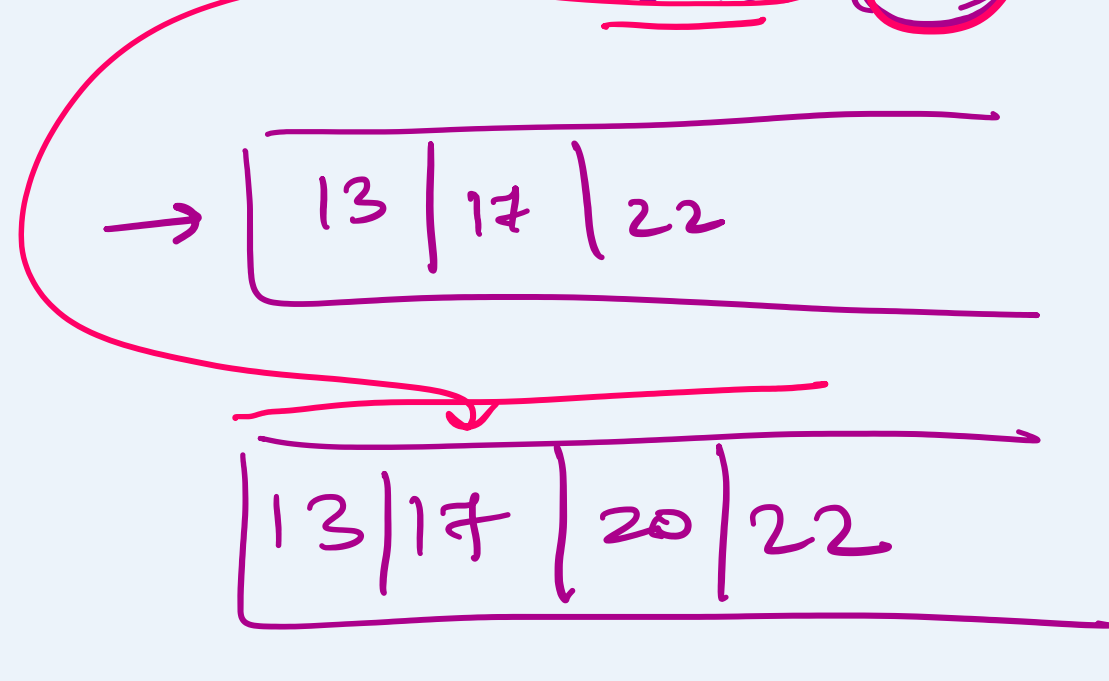
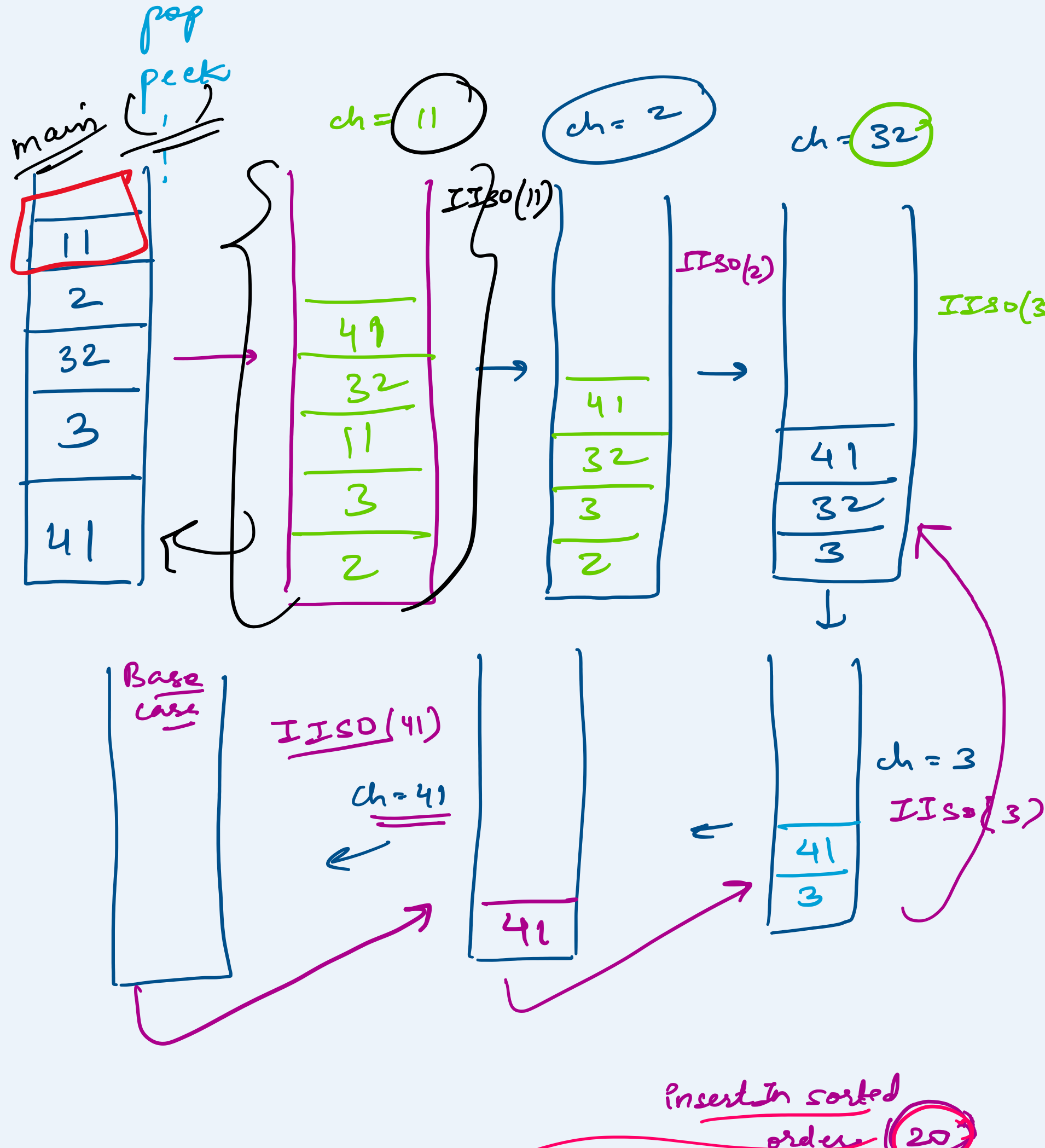
Eg:

41	3	32	2	11
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output

2	3	11	32	41
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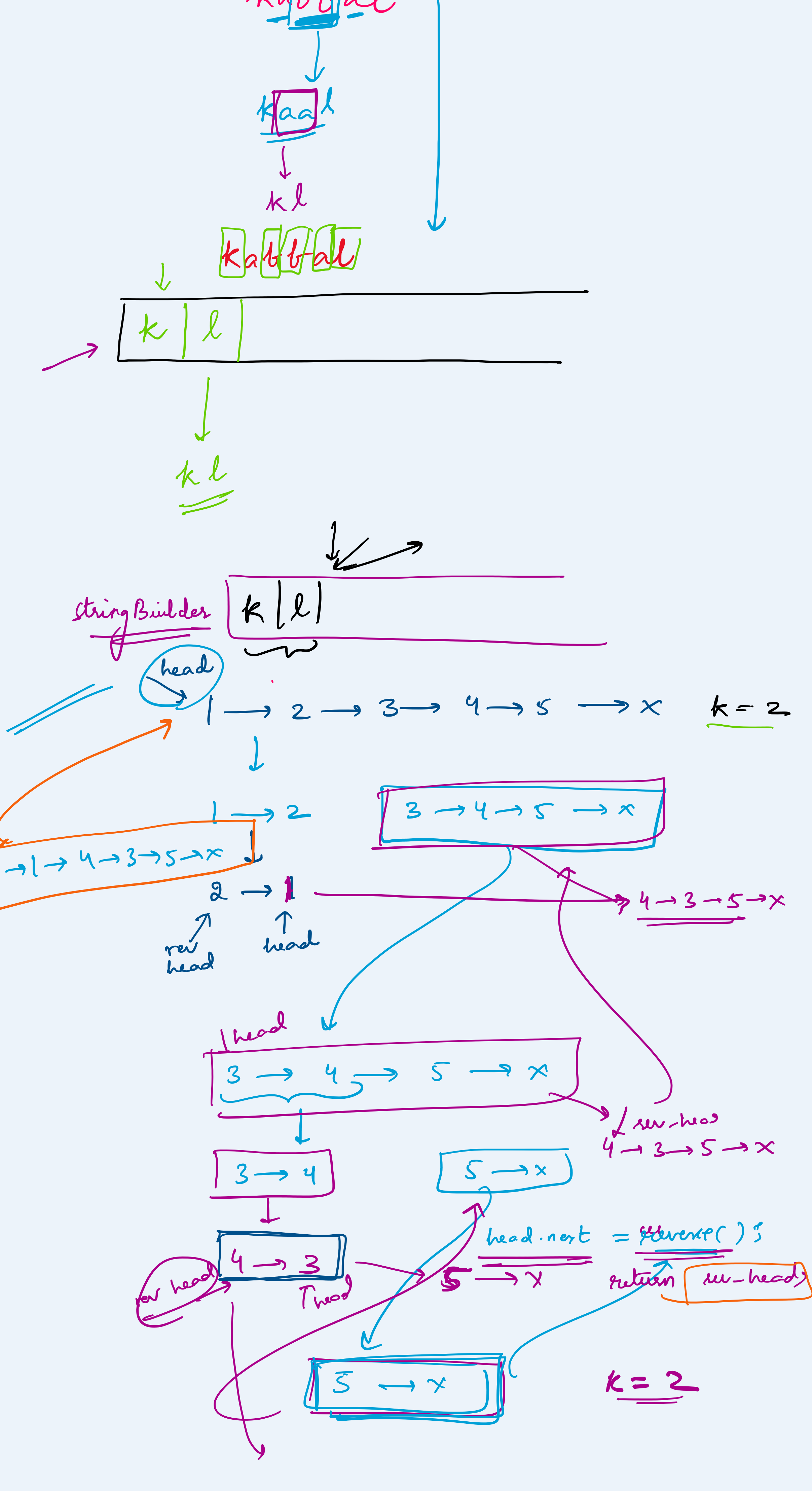
X [no decision control statements,]



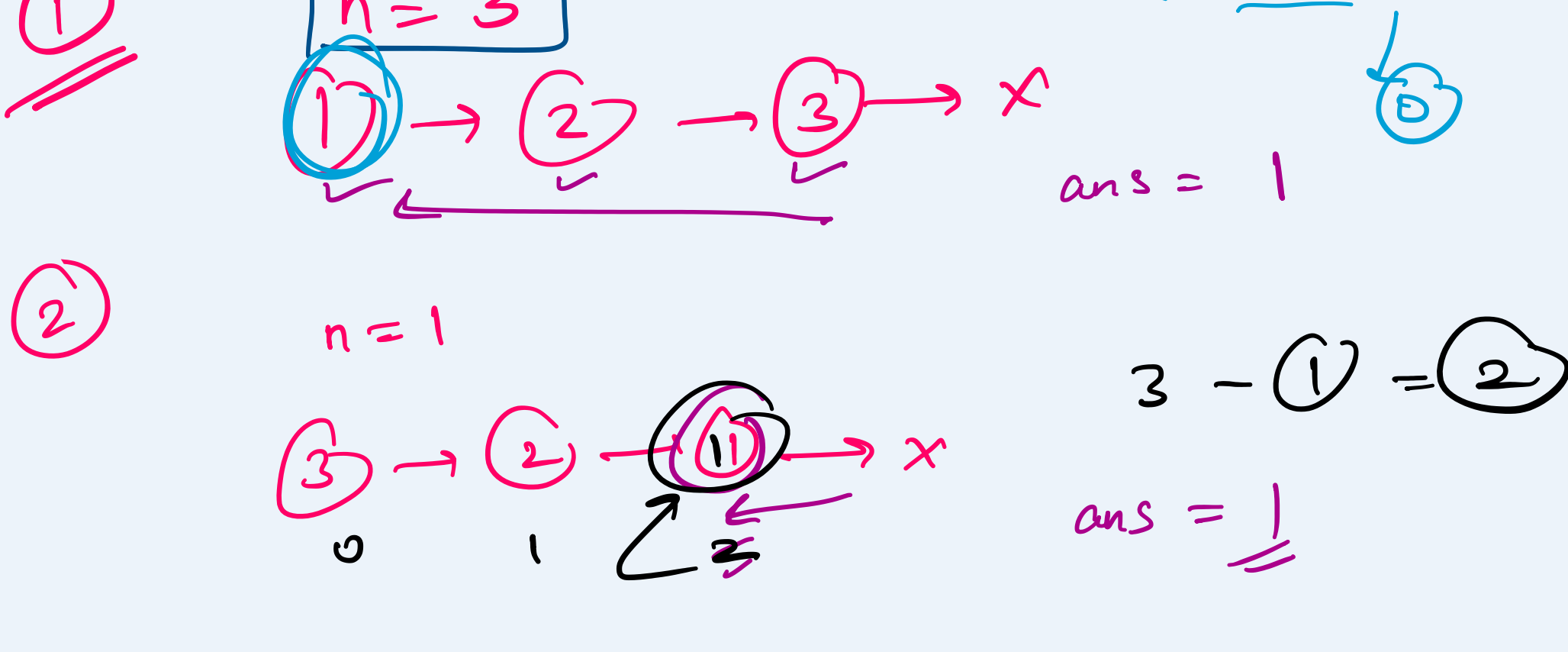
Q Given a string, remove the consecutive duplicates in the string

Eg: "kabbaal" → kaaal → kll

Eg: "mkccddkfb" → mkkfb → mfb

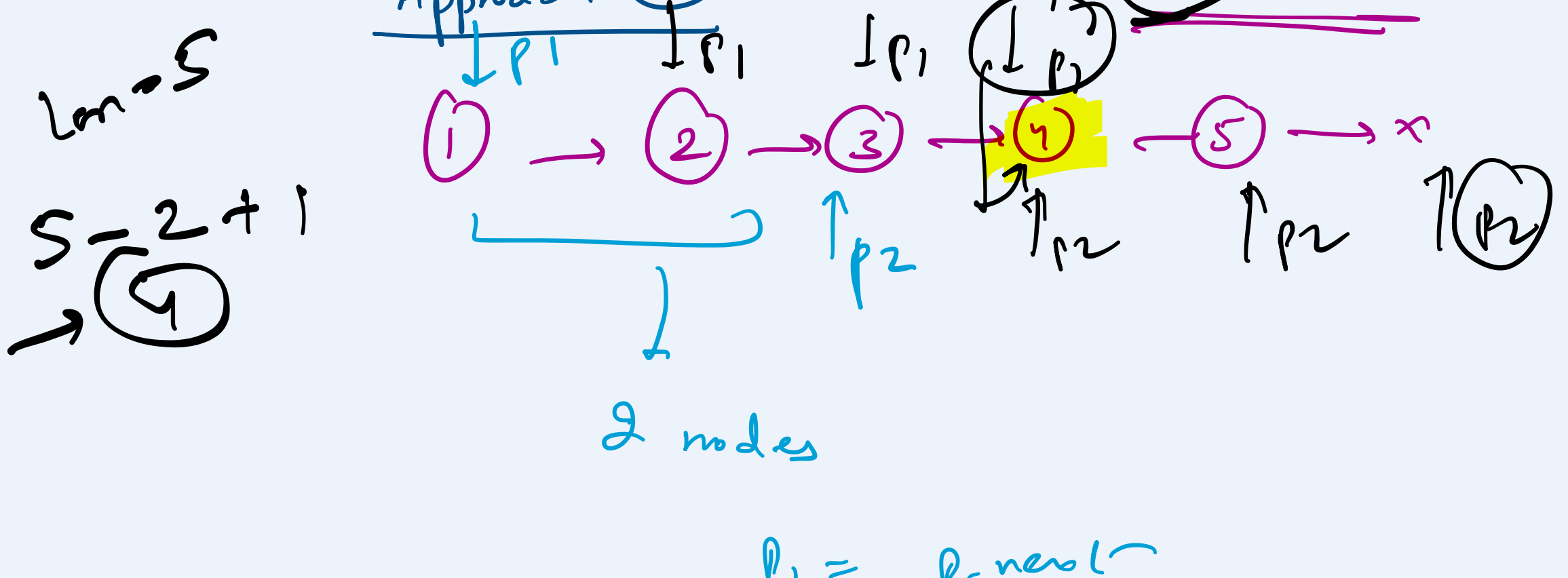


Q Find nth node from end of a linkedlist.

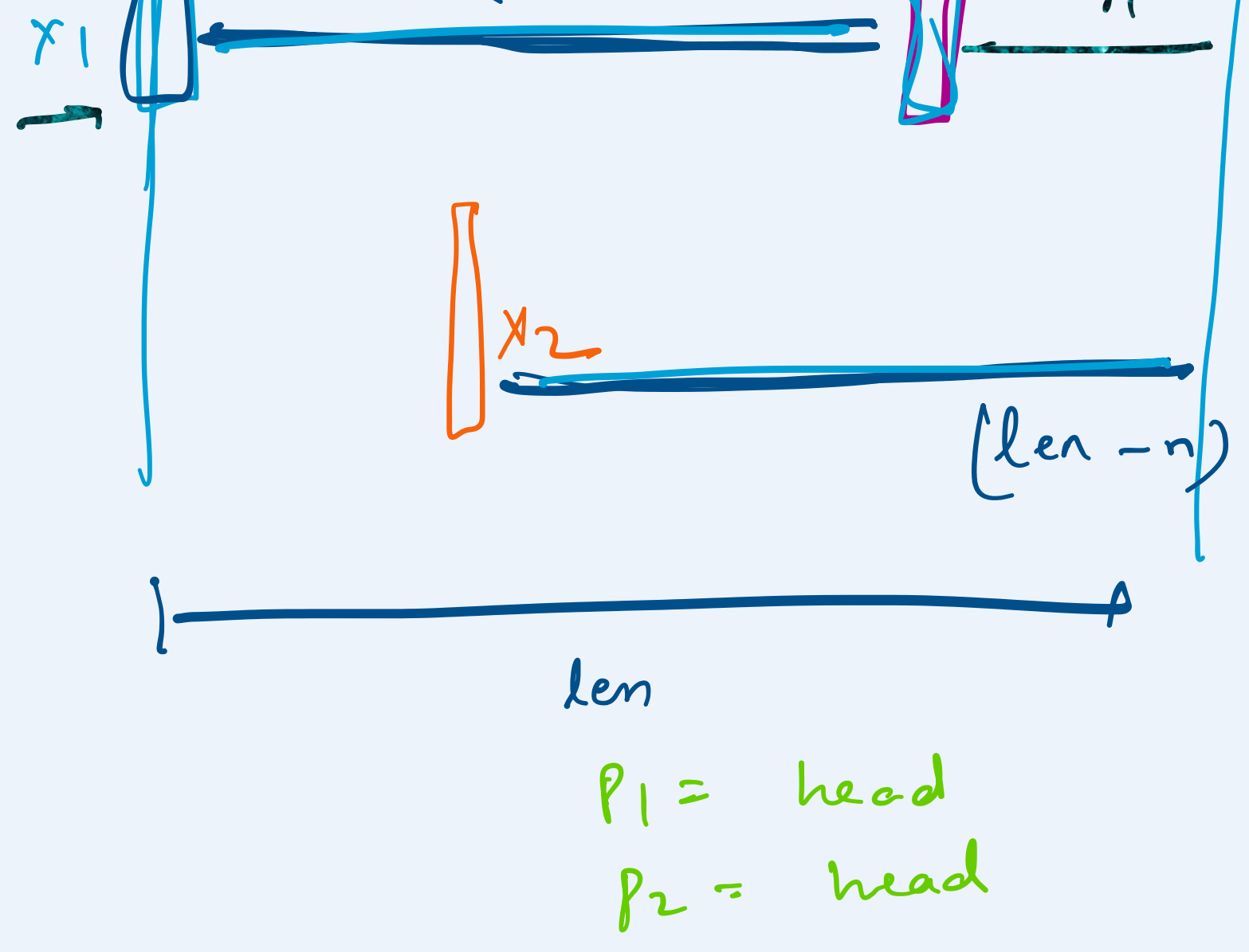


Approach 1

→ Find the length of LL
→ Find $(len - n + 1)^{th}$ node



$p_1 = p_1 \cdot next$
 $p_2 = p_2 \cdot next$



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1. p1 = head
2. p2 = head
3. for (i=0 → i=n) {
    p2 = p2 - next
}
4. while (p2 != null) {
    p1 = p1 - next
    p2 = p2 - next
}
5. return p1 - data

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