Lec-39

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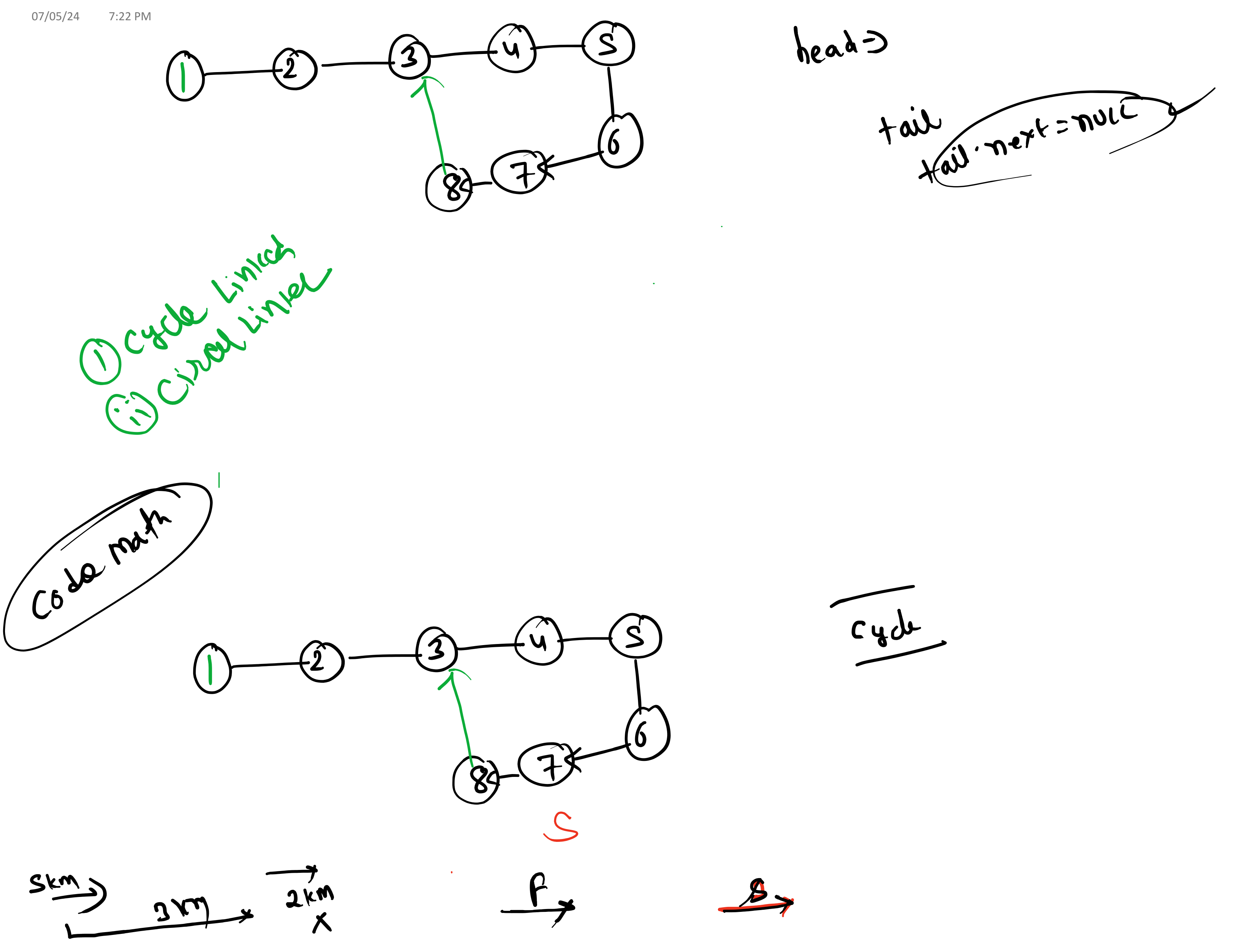
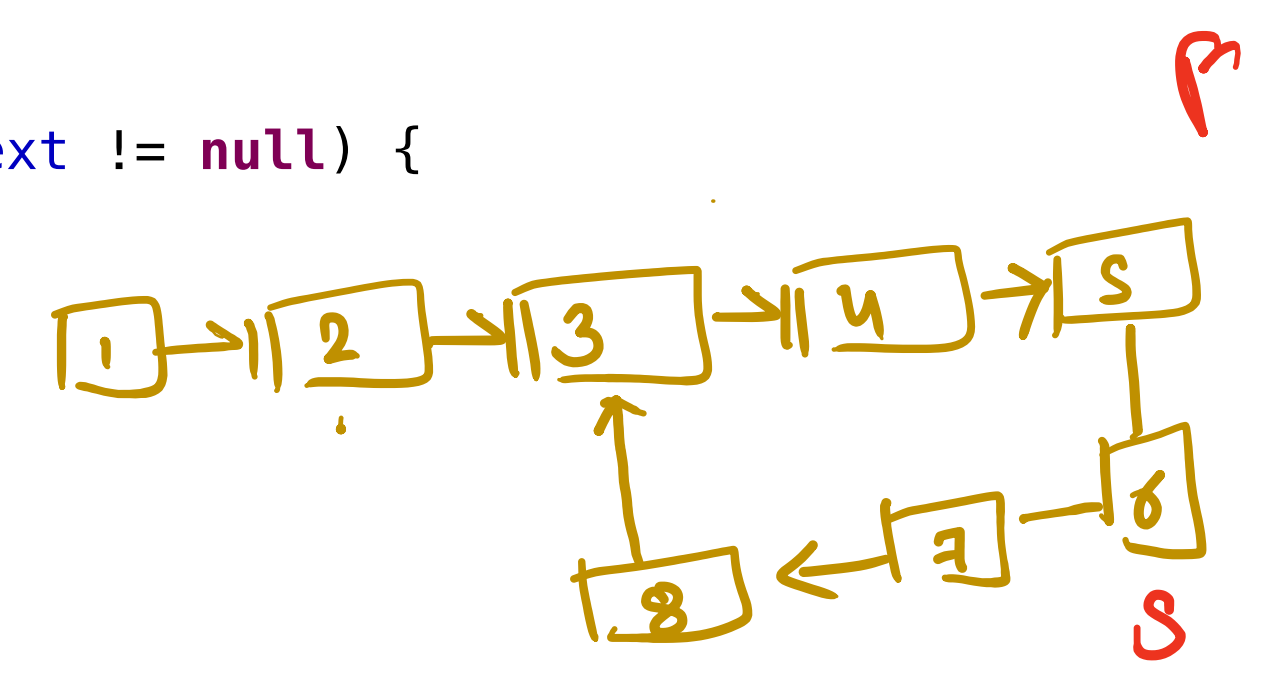
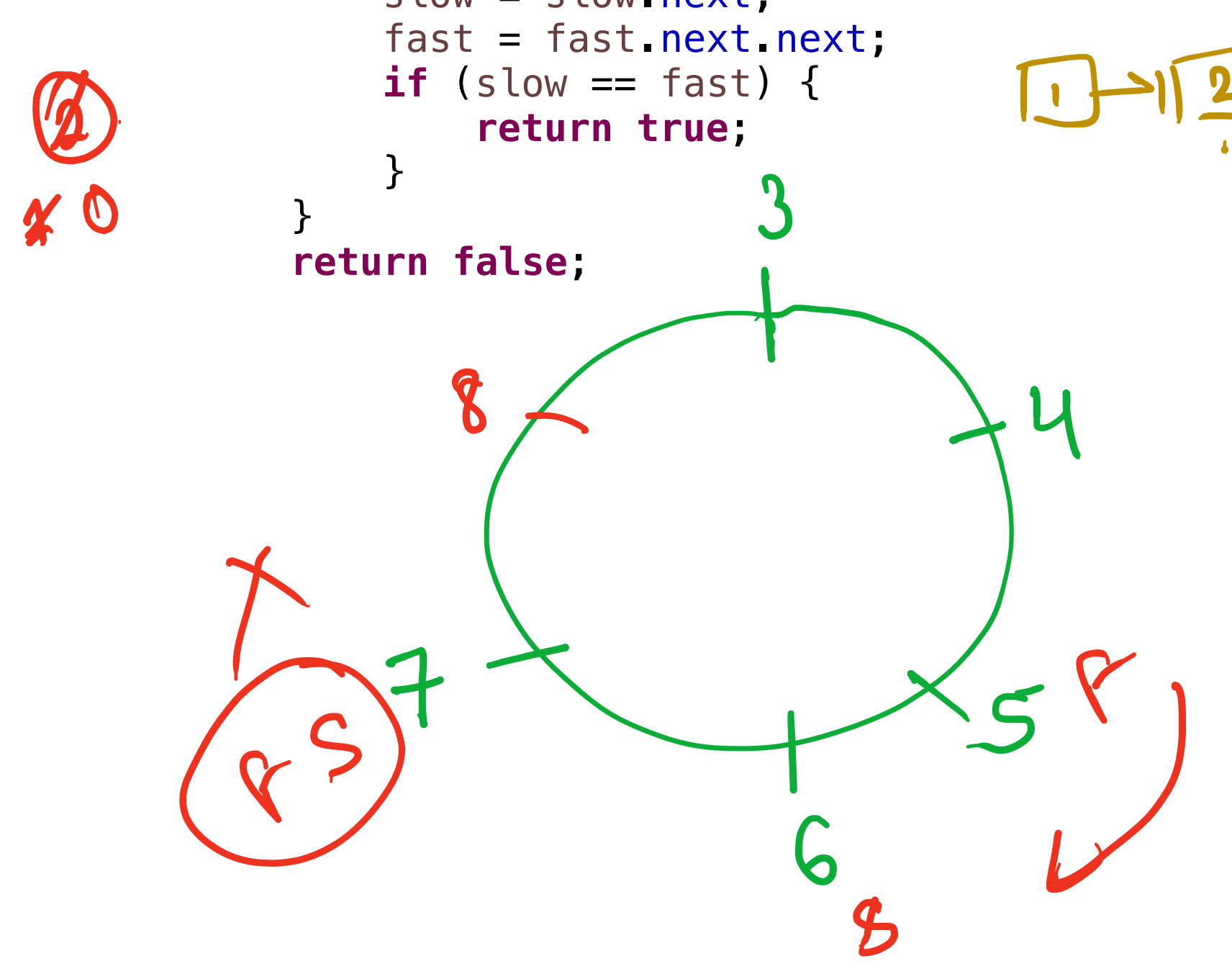
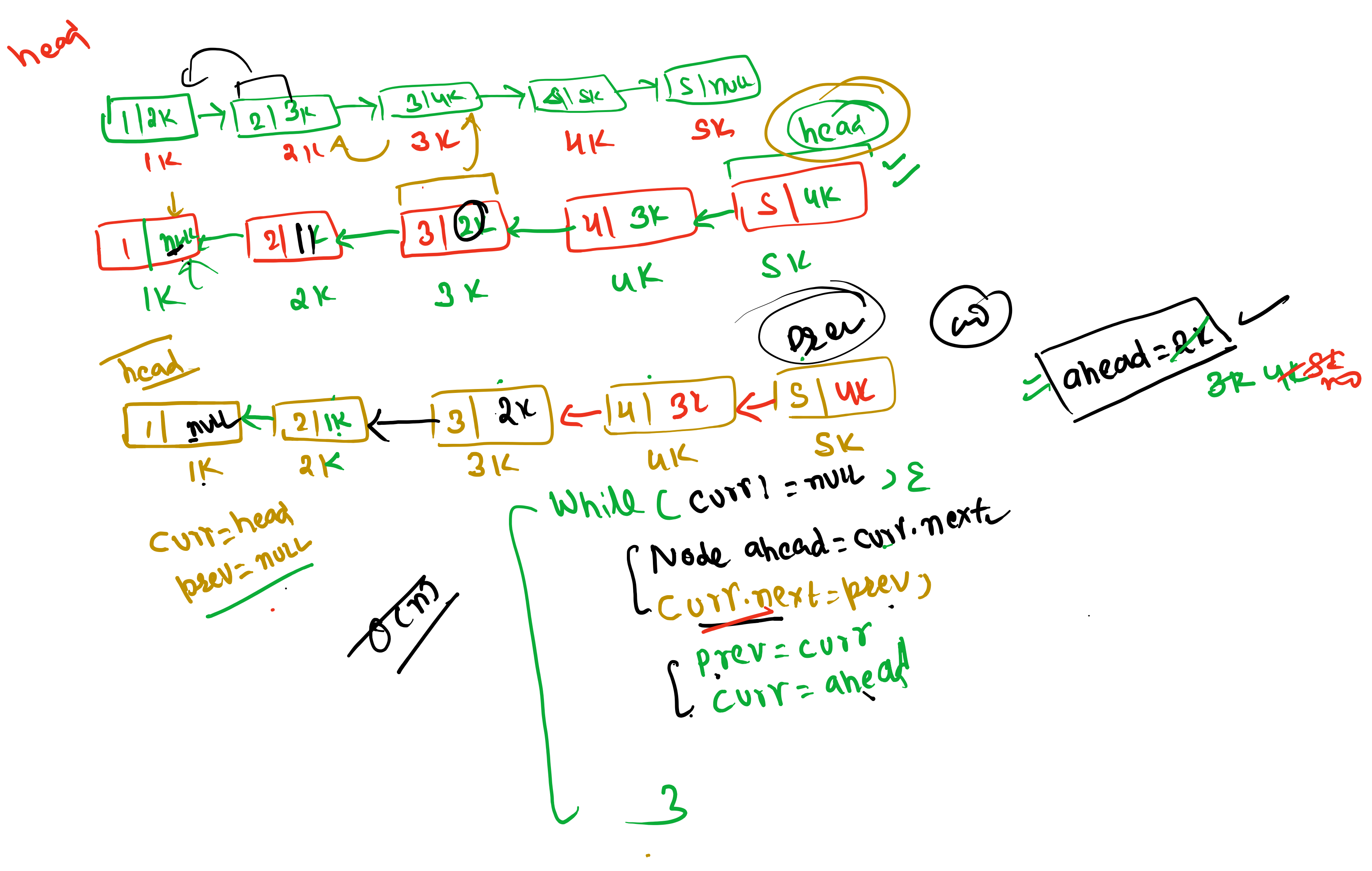
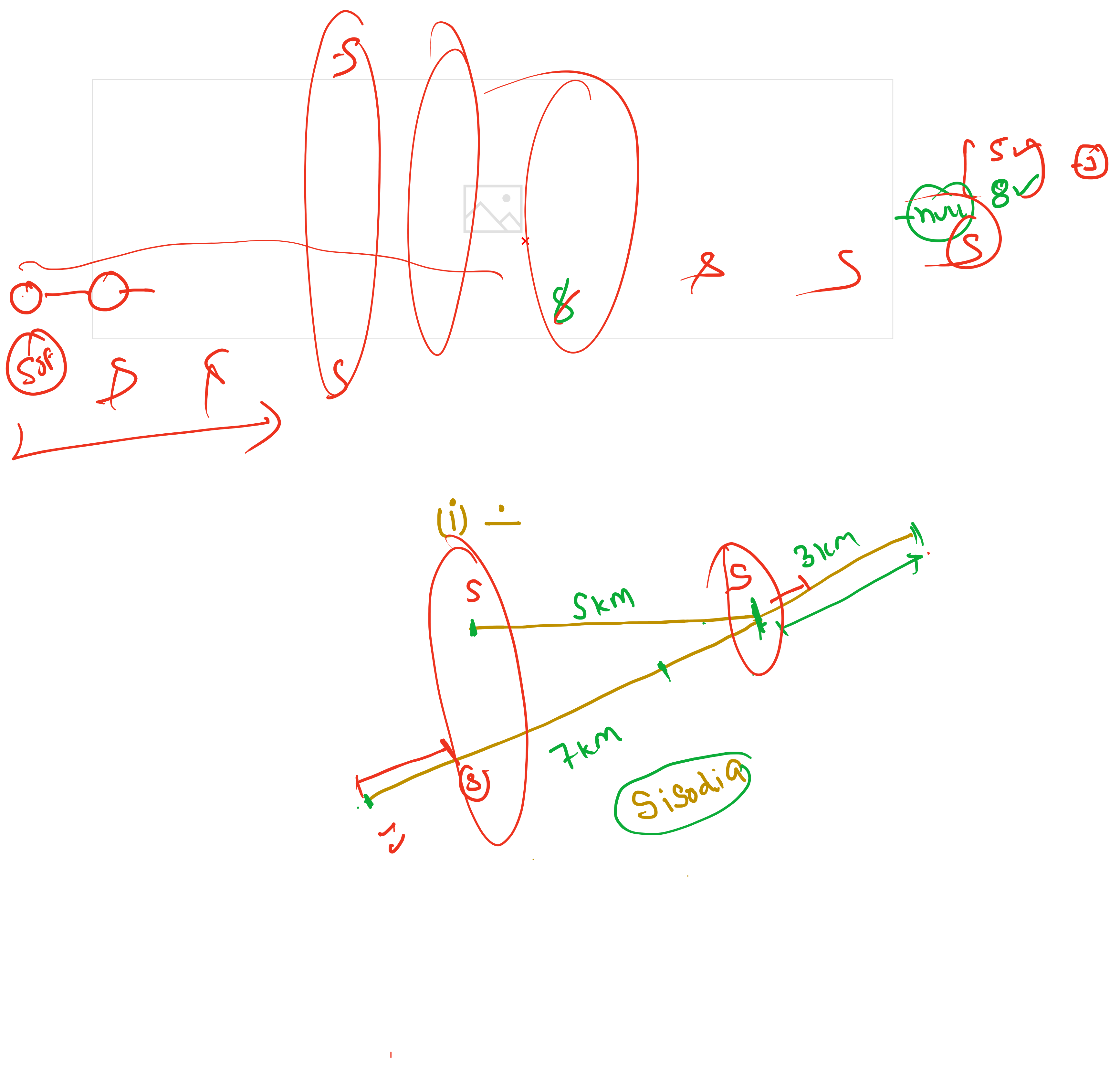



```java
ListNode slow = head;
ListNode fast = head;
while (fast != null && fast.next != null) {
    slow = slow.next;
    fast = fast.next.next;
    if (slow == fast) {
        return true;
    }
}
return false;
```










```java
public ListNode getIntersectionNode(ListNode headA, ListNode headB) {
            ListNode s = headA;
            ListNode sgf = headB;
            while (s != sgf) {
                if (s == null) {
                    s = headB;
                } else {
                    s = s.next;
                }
                if (sgf == null) {
                    sgf = headA;
                } else {
                    sgf = sgf.next;
                }
            }
            return s;

        }
```