86. Partition List

head = head.next;

small.next = newbighead.next;
return newsmallhead.next;

big.next = null;

} }

Description Discuss Solution C Pick One Given a linked list and a value x, partition it such that all nodes less than x come before nodes greater than or equal to x. You should preserve the original relative order of the nodes in each of the two partitions. Example: **Input:** head = 1->4->3->2->5->2, x = 3Output: 1->2->2->4->3->5 public class L86 { class ListNode{ int val; ListNode next; public ListNode(int val) { this.val = val; -//这道题目的意思是给定一个x的值,小于x都放在大于等于x的前面,并且不改变链表之间node原始的相对位置 //new两个新链表,一个用来创建所有大于等于x的链表,一个用来创建所有小于x的链表,遍历整个链表时,当当前node的val小于x时,接在小链表上 //反之,接在大链表上,这样就保证了相对顺序没有改变,而仅仅对链表做了与x的比较判断。最后,把小链表接在大链表上,别忘了把大链表的结尾赋为null public ListNode partition(ListNode head, int x) { if(head==null || head.next == null) return head; ListNode small = new ListNode(-1); ListNode newsmallhead = small; ListNode big = new ListNode(-1); ListNode newbighead = big; while (head != null) { if(head.val < x) {</pre> small.next = head; small = small.next; }else { big.next = head; big = big.next;