. 240. Search a 2D Matrix II

```
class Solution {
  public boolean searchMatrix(int[]] matrix, int target) {
     if(matrix.length == 0){
       return false;
     int first = 0;
     int second =matrix[0].length - 1;
     while(inbound(first, second, matrix)){
       if(matrix[first][second] == target){
          return true;
       else if(matrix[first][second] > target){
          second--;
       } else {
          first++;
     return false;
  private boolean inbound(int first, int second, int[][] matrix){
     return first >= 0 && second >= 0 && first < matrix.length && second < matrix[0].length;
```

```
• 148. Sort List
题目:将链表排序
Hint: Divide and conquer
class Solution {
  public ListNode sortList(ListNode head) {
     if(head == null || head.next == null){
       return head;
     ListNode slow = head;
     ListNode fast = head.next;
     while(fast != null && fast.next != null){
       slow = slow.next;
       fast = fast.next.next;
     ListNode left = head;
     ListNode right = slow.next;
     slow.next = null;
     left = sortList(left);
     right = sortList(right);
     ListNode start = new ListNode(0);
     ListNode node = start;
     while(left != null || right != null){
       if(left == null){
          node.next = right;
          break;
       if(right == null){
          node.next = left;
          break;
       if(left.val < right.val){</pre>
          node.next = left;
          node = node.next;
          left = left.next;
       } else{
          node.next = right;
          node = node.next;
          right = right.next;
     return start.next;
```