太難了 要熟練Linked list操作

基本解題思路 建一個新的list

神人recursively的方式

# iteratively

def mergeTwoLists1(self, l1, l2):

dummy = cur = ListNode(0)

while l1 and l2:

if l1.val < l2.val:

cur.next = l1

l1 = l1.next

else:

cur.next = l2

l2 = l2.next

cur = cur.next

cur.next = l1 or l2

return dummy.next

class Solution:

def mergeTwoLists(self, l1, l2):

if not l1 or not l2:

return l1 or l2

if l1.val < l2.val:

l1.next = self.mergeTwoLists(l1.next, l2)

return l1

else:

l2.next = self.mergeTwoLists(l1, l2.next)

return l2

神人作法:

class Solution:

def mergeTwoLists(self, a, b):

if a and b:

if a.val > b.val:

a, b = b, a

a.next = self.mergeTwoLists(a.next, b)

return a or b (有值挑大的)