Combine 2 sorted linkedlist

# Definition for singly-linked list.

# class ListNode(object):

# def \_\_init\_\_(self, x):

# self.val = x

# self.next = None

class Solution(object):

def merge(self, l1, l2):

"""

:type l1: ListNode

:type l2: ListNode

:rtype: ListNode

"""

ret = dummy = ListNode(-1)

while l1 and l2:

if l1.val<=l2.val:

dummy.next = l1

l1n = l1.next

l1.next = None

l1 = l1n

else:

dummy.next = l2

l2n = l2.next

l2.next = None

l2 = l2n

dummy = dummy.next

if l1:

dummy.next = l1

else:

dummy.next = l2

return ret.next

https://www.acwing.com/problem/content/34/