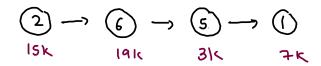
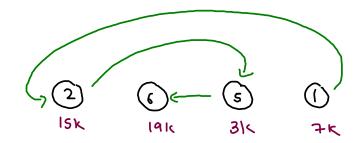
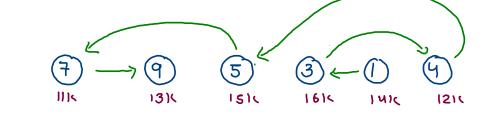
148. Sort List

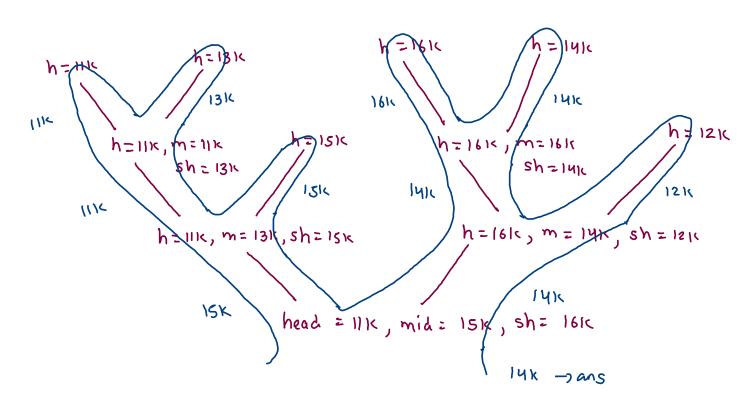
Given the head of a linked list, return the list after sorting it in ascending order.





ans: 7k





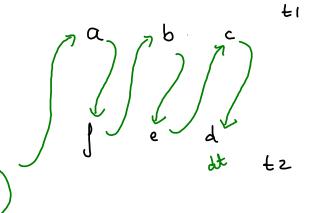
143. Reorder List

You are given the head of a singly linked-list. The list can be represented as:

$$L_0 \rightarrow L_1 \rightarrow ... \rightarrow L_{n-1} \rightarrow L_n$$

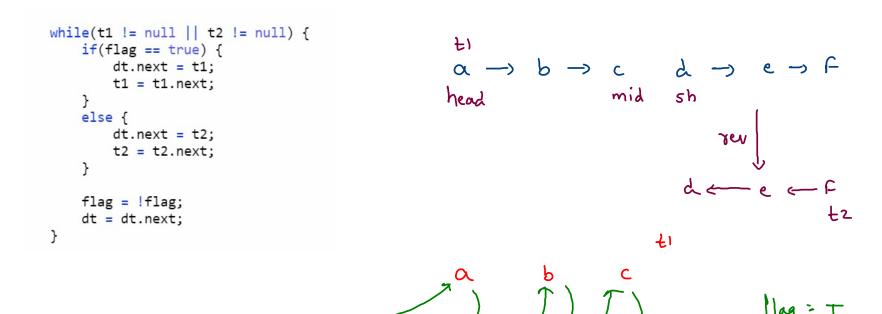
Reorder the list to be on the following form:

$$\mathsf{L}_0 \, \rightarrow \, \mathsf{L}_n \, \rightarrow \, \mathsf{L}_1 \, \rightarrow \, \mathsf{L}_{n-1} \, \rightarrow \, \mathsf{L}_2 \, \rightarrow \, \mathsf{L}_{n-2} \, \rightarrow \, \dots$$

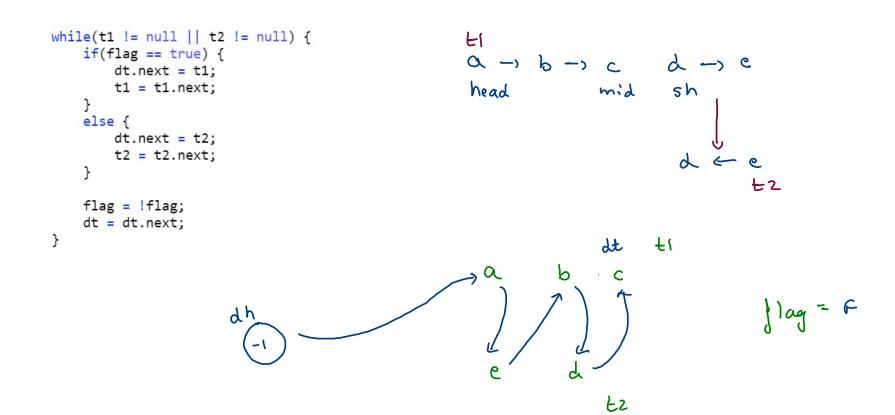


 $a \longrightarrow b \longrightarrow c \longrightarrow d \longrightarrow e \longrightarrow f$ $a \longrightarrow f \longrightarrow b \longrightarrow e \longrightarrow c \longrightarrow d$

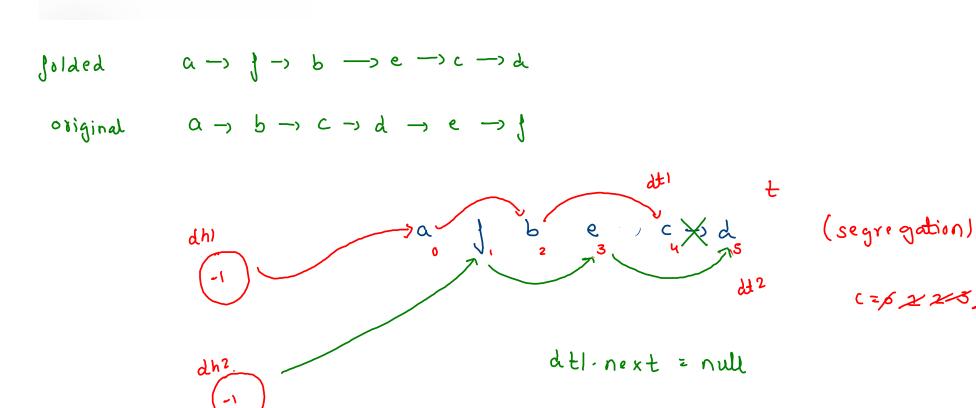
 $a \rightarrow b \rightarrow c$ $b \rightarrow c$ $b \rightarrow c$ $b \rightarrow e \rightarrow f$ $f \rightarrow e \rightarrow f$



t2



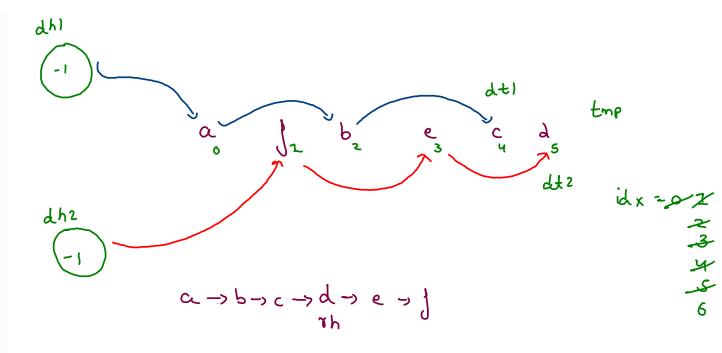
Unfold Of Linkedlist



dhl. next + rev (dh2. next)

(=622548

```
int idx = 0;
ListNode temp = head;
while(temp != null) {
    if(idx % 2 == 0) {
       dt1.next = temp;
       dt1 = dt1.next;
    else {
       dt2.next = temp;
       dt2 = dt2.next;
    idx++:
    temp = temp.next;
dt1.next = null;
dt2.next = null;
ListNode rh = reverse(dh2.next);
//append
dt1.next = rh;
```



```
int idx = 0;
ListNode temp = head;
while(temp != null) {
    if(idx \% 2 == 0) {
        dt1.next = temp;
        dt1 = dt1.next;
    else {
        dt2.next = temp;
        dt2 = dt2.next;
    idx++;
    temp = temp.next;
dt1.next = null;
dt2.next = null;
ListNode rh = reverse(dh2.next);
//append
dt1.next = rh;
```

