143. Reorder List

link

经典快慢指针, 先找到终点, 然后把后面的反转, 最后再把后面的插入前面的.

```
if(head == null ) return;
   ListNode fast = head, slow = head, slowNext = null, fastNext = null;
   while(fast !=null && fast.next != null){
        slow = slow.next;
       fast = fast.next.next;
    fast = slow.next;
    slow.next = null;
   slow = null;
   while(fast != null){
        fastNext = fast.next;
       fast.next = slow;
       slow = fast;
       fast = fastNext;
    fast = slow;
    slow = head;
   while(fast != null){
       slowNext = slow.next;
       fastNext = fast.next;
       slow.next = fast;
       fast.next = slowNext;
       slow = slowNext;
       fast = fastNext;
   }
}
```