

# 环形链表 II

给一个链表，返回链表开始入环的第一个节点。如果链表无环，则返回 null。

说明：不应修改给定的链表

(<https://leetcode.com/problems/linked-list-cycle-ii/description/>)

```
public ListNode detectCycle(ListNode head) {  
    ListNode fast = head, slow = head;  
    while (fast != null && slow != null) {  
        if (fast.next != null) {  
            fast = fast.next.next;  
        } else {  
            return null;  
        }  
        slow = slow.next;  
        if (fast == slow) {  
            ListNode temp = head;  
            while (temp != slow) {  
                temp = temp.next;  
                slow = slow.next;  
            }  
            return temp;  
        }  
    }  
    return null;  
}
```