11) [**142. Linked List Cycle II**](https://leetcode.com/problems/linked-list-cycle-ii/)  
CODE  
class Solution {

public:

ListNode\* detectCycle(ListNode\* head) {

if (!head || !head->next) return nullptr;

ListNode\* slow = head;

ListNode\* fast = head;

while (fast && fast->next) {

slow = slow->next;

fast = fast->next->next;

if (slow == fast) {

slow = head;

while (slow != fast) {

slow = slow->next;

fast = fast->next;

}

return slow;

}

}

return nullptr;

}

};  
OUTPUT  
