# 141. Linked List Cycle

题目描述：**https://leetcode.com/problems/linked-list-cycle/**

> 给定一个链表，判断是否有环

**解题思路：**

一个slow指针，一个fast指针，如果有环则肯定会在环中

**代码：**

```cpp
/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     ListNode *next;
 *     ListNode(int x) : val(x), next(NULL) {}
 * };
 */
class Solution {
public:
    bool hasCycle(ListNode *head) {
        if(!head)
            return false;
        ListNode *slow, *fast;
        slow = head;
        fast = head->next;
        while(fast && fast->next){
            slow = slow->next;
            fast = fast->next->next;
            if(slow == fast)
                return true;
        }
        return false;

    }
};
```