/\*\*

\* Definition for singly-linked list.

\* struct ListNode {

\* int val;

\* struct ListNode \*next;

\* };

\*/

bool hasCycle(struct ListNode \*head) {

struct ListNode \* slow = head;

struct ListNode \* fast = head;

if( fast==NULL ){

return false;

}

while( 1 ){

if( fast->next == NULL || fast->next->next == NULL){

break;

}

slow=slow->next;

fast=fast->next->next;

if(fast == slow){

return true;

}

}

return false;

}