Problem Link:

<https://leetcode.com/problems/linked-list-cycle/>

Solution:

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\* 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 == nullptr)

return false;

ListNode \*x = head;

ListNode \*y = head;

while(y != nullptr && y->next != nullptr)

{

x = x->next;

y = y->next->next;

if(x == y)

{

return true;

}

}

return false;

}

};