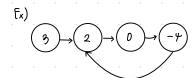
Linued List Cycle

: Given head, the head of a linked list, determine if the linker list has a Orde in i

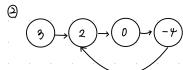
There is a cycle in a linker list if there is some node in the list that can be reacher again by continuously following the next pointer. Internally pos is used to denote the index of the node that tails next pointer is connecree.



Input: head = [3,2,0,-+], Pos= 1 Output: true

Idea:

O Check head is None or head. next is None



1. Create visited : Memory: O(n)

2 While current node: value is not ovil,

if I a same value with current notes value in visitar atom Time.

Approach 2: Memy usage: O(1)

Intuition: Imagine two runners running on a track at different speed.

is a code, two moneys will eventually

If three is no cycle in the list, the fast painter will eventually reach the en