

Description

Solution

Discuss (999+)

Submissions

142. Linked List Cycle II

Medium

5527

375

Add to List

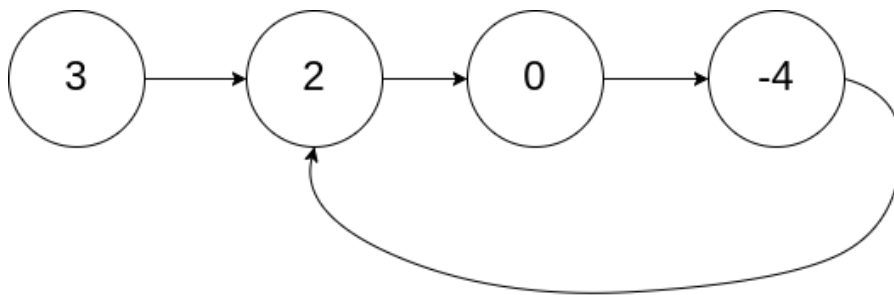
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Given the `head` of a linked list, return *the node where the cycle begins*. If there is no cycle, return `null`.

There is a cycle in a linked list if there is some node in the list that can be reached again by continuously following the `next` pointer. Internally, `pos` is used to denote the index of the node that tail's `next` pointer is connected to (**0-indexed**). It is `-1` if there is no cycle. **Note that `pos` is not passed as a parameter.**

Do not modify the linked list.

Example 1:

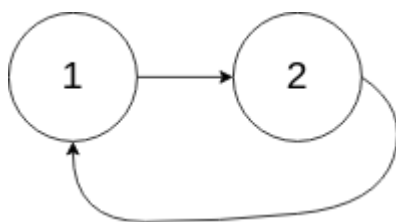


Input: `head = [3,2,0,-4]`, `pos = 1`

Output: tail connects to node index 1

Explanation: There is a cycle in the linked list, where tail connects to the second node.

Example 2:



Input: `head = [1,2]`, `pos = 0`

Output: tail connects to node index 0

Explanation: There is a cycle in the linked list, where tail connects to the first node.

Example 3:



Problems

Pick One

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