

Given a non-empty, singly linked list with head node `head` , return a middle node of linked list.

If there are two middle nodes, return the second middle node.

Example 1:

Input: [1,2,3,4,5]

Output: Node 3 from this list (Serialization: [3,4,5])

The returned node has value 3. (The judge's serialization of this node is [3,4,5]).

Note that we returned a `ListNode` object `ans`, such that:

`ans.val = 3`, `ans.next.val = 4`, `ans.next.next.val = 5`, and `ans.next.next.next = NULL`.

Example 2:

Input: [1,2,3,4,5,6]

Output: Node 4 from this list (Serialization: [4,5,6])

Since the list has two middle nodes with values 3 and 4, we return the second one.

Note:

- The number of nodes in the given list will be between 1 and 100 .