```
def mySqrt(x):
   if x == 0:
        return 0
    left, right = 1, x
   while left <= right:</pre>
        mid = left + (right - left) // 2
        if mid * mid == x:
            return mid
        elif mid * mid < x:
            left = mid + 1
        else:
            right = mid - 1
    return right
class ListNode:
    def __init__(self, val=0, next=None):
        self.val = val
        self.next = next
def addTwoNumbers(11, 12):
    dummy = ListNode(0) # Dummy node to track the head of the result
    current = dummy # Pointer to the current node in the result
    carry = 0 # Initialize the carry-over to 0
   while 11 or 12 or carry:
        # Calculate the sum of the current digits and the carry-over
        sum = (11.val if 11 else 0) + (12.val if 12 else 0) + carry
        carry = sum // 10 # Calculate the carry-over for the next place value
        digit = sum % 10  # Calculate the current digit for the result
        # Create a new node for the current digit and set it as the next node for the resu
        current.next = ListNode(digit)
        current = current.next
        # Move to the next nodes in the input linked lists if they exist
        if 11:
           11 = 11.next
        if 12:
            12 = 12.next
    return dummy.next # Return the head of the result linked list
```