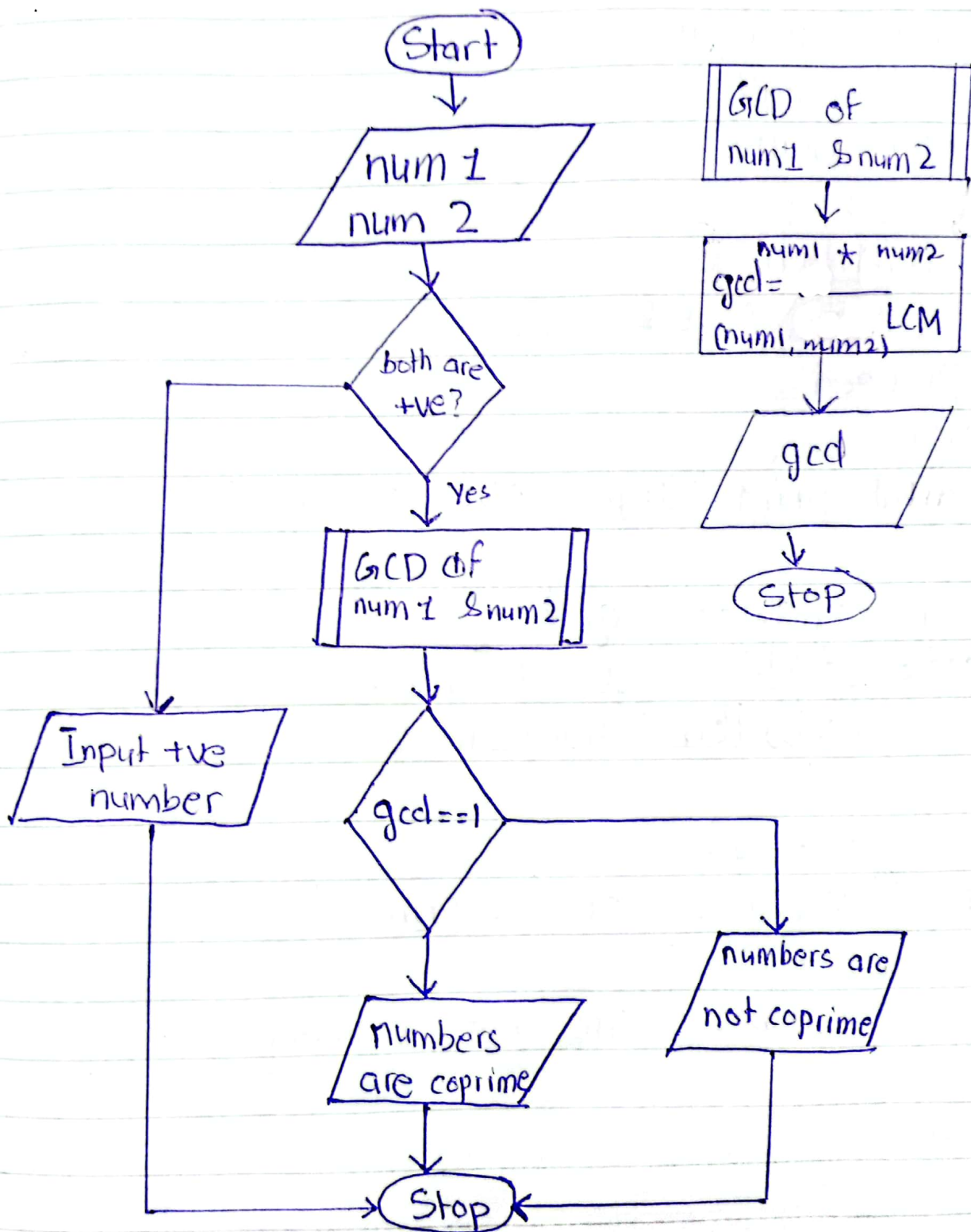


# Problem 11: Coprime numbers.



### Pseudocode:

- Start
- // Input two integers.  
Enter num1  
Enter num2
- // condition  
if (num1 > 0 && num2 > 0)  
    proceed  
else  
    print "Input +ve numbers."
- // then, calculate gcd  
$$\text{gcd} = \frac{\text{num1} * \text{num2}}{(\text{num1}, \text{num2}) \text{ lcm}}$$
- if (gcd == 1)  
    print ("numbers are coprime")  
else  
    print "numbers are not coprime"
- End.

## IPO

Input	Processing	Module Preference	Output
Num1 Num2	<ul style="list-style-type: none"> <li>• Enter num1</li> <li>• Enter num2</li> <li>• Calculate gcd.</li> <li>• if <math>\text{gcd} == 1</math></li> <li>• Print "coprime."</li> <li>• End.</li> </ul>	Read Read Calc Condition Print	Coprime / Not coprime