

1) Write ~~and~~ algorithm and flowchart to determine a student's final grade and indicate whether he is passing or failing. The final grade is calculated as the average of four marks i.e. phy, che, Bio, Math. min. passing marks = 40%.

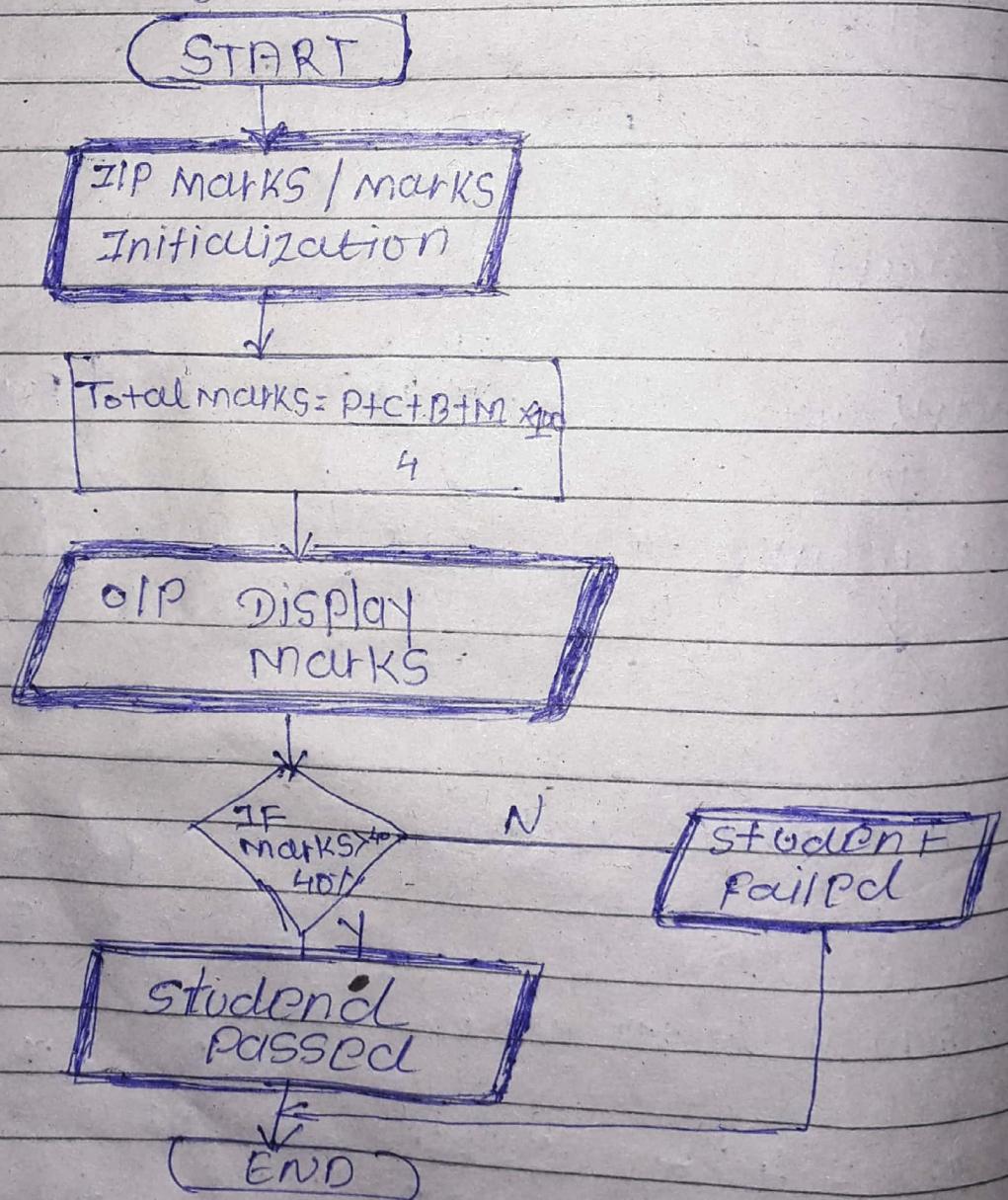
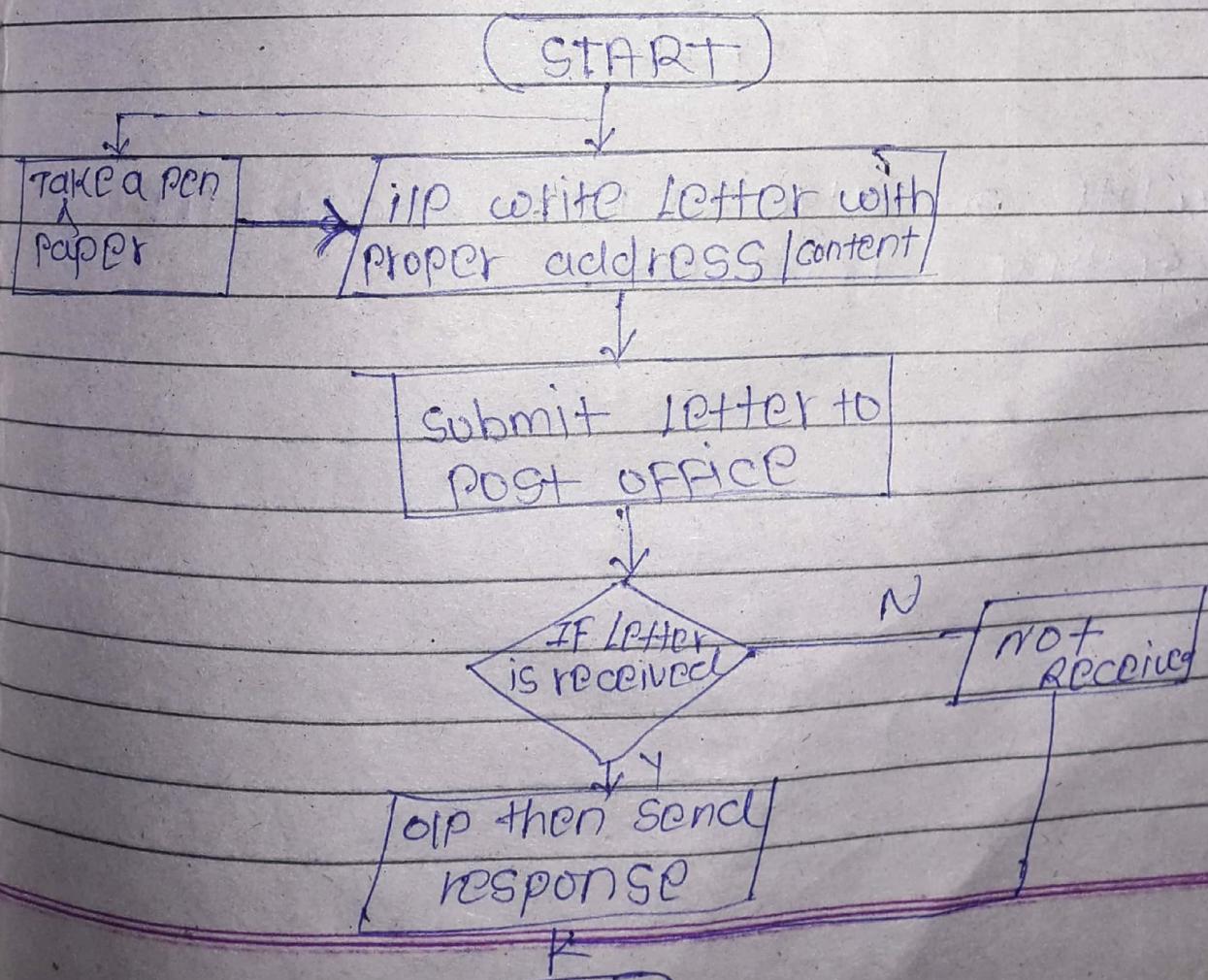


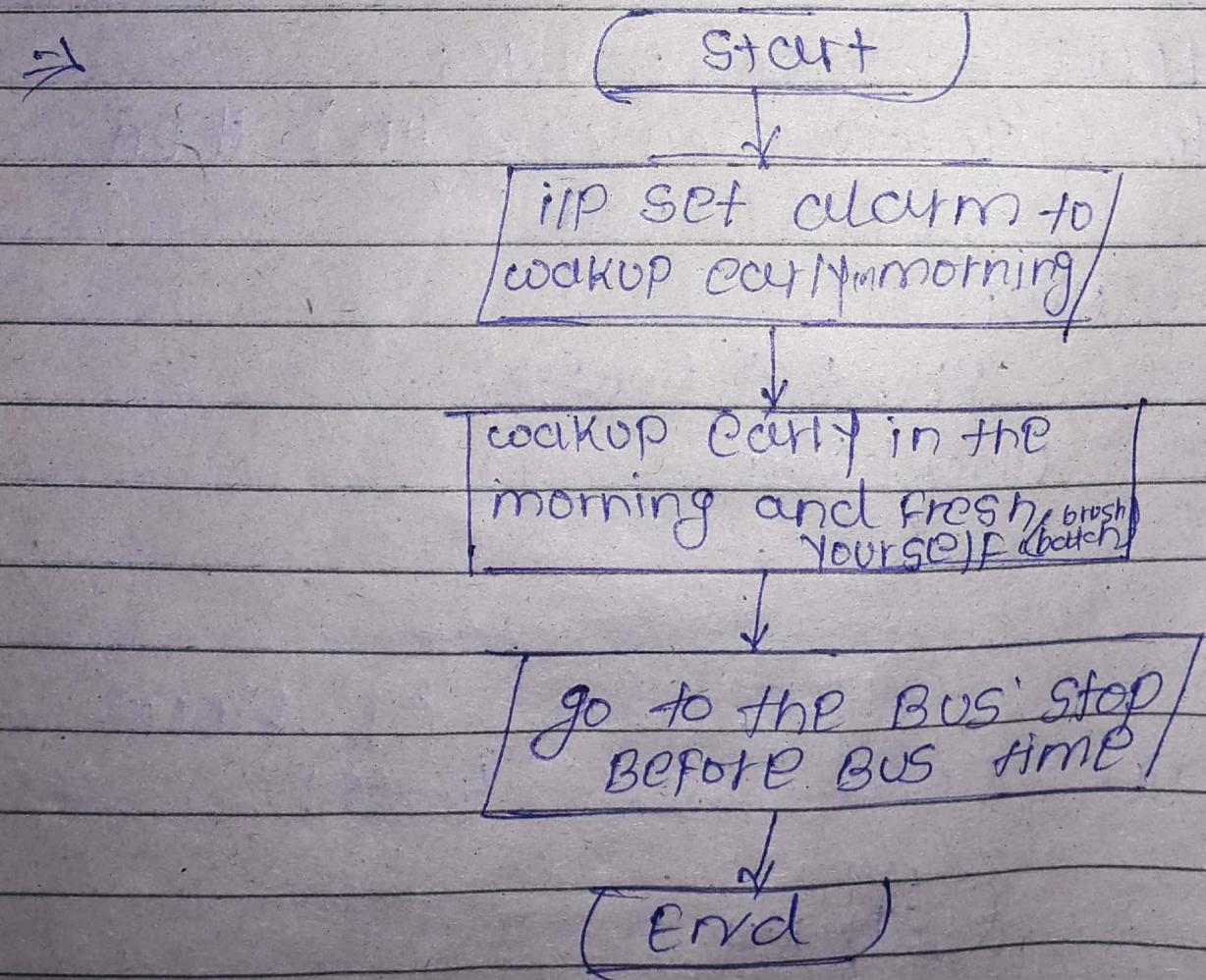
Fig. Flow chart

Algorithm = ① Input ph, ch, Bi, math.  
 ② Total-marks =  $\frac{ph+ch+Bi+ma}{4}$   
 ③ output = Total-marks  
 ④ If ( Total-marks < 40 ) then  
     print "Fail"  
 else  
     Print "PASS"  
 ⑤ End/Stop

② write a algorithm or flow chart to post a letter.



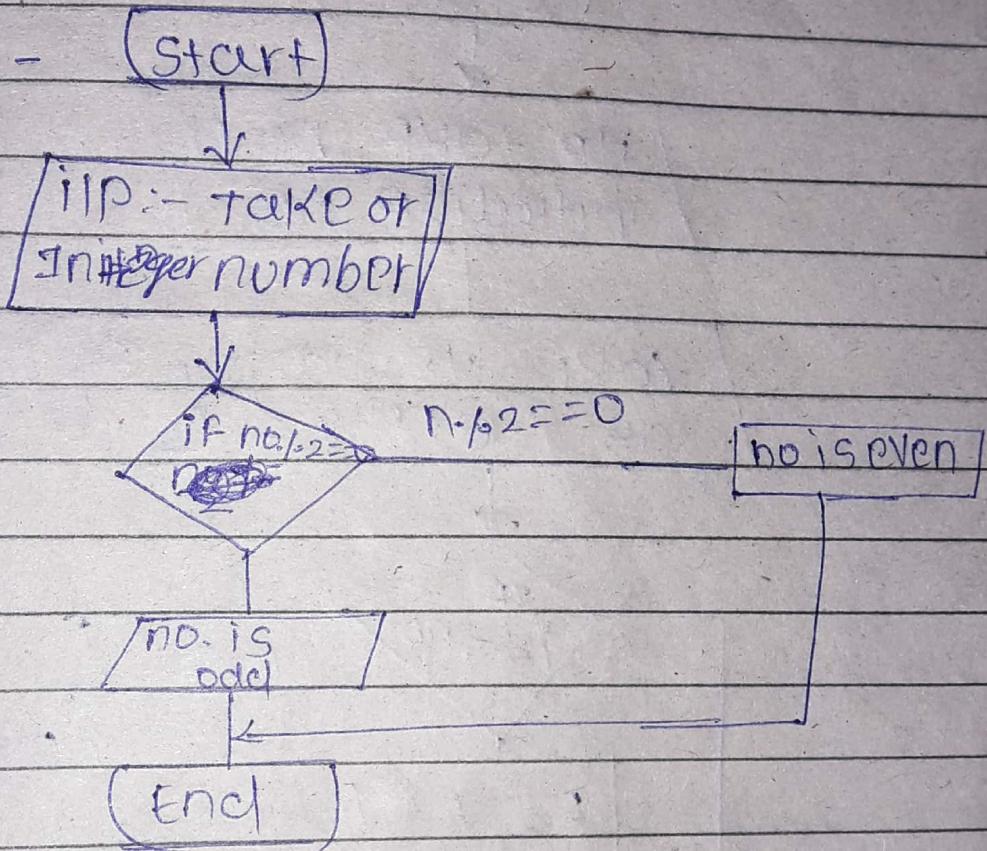
3) write algorithm or flow chart to catch BUSS



## Assignment - 01

↳ check the given number is even or odd.

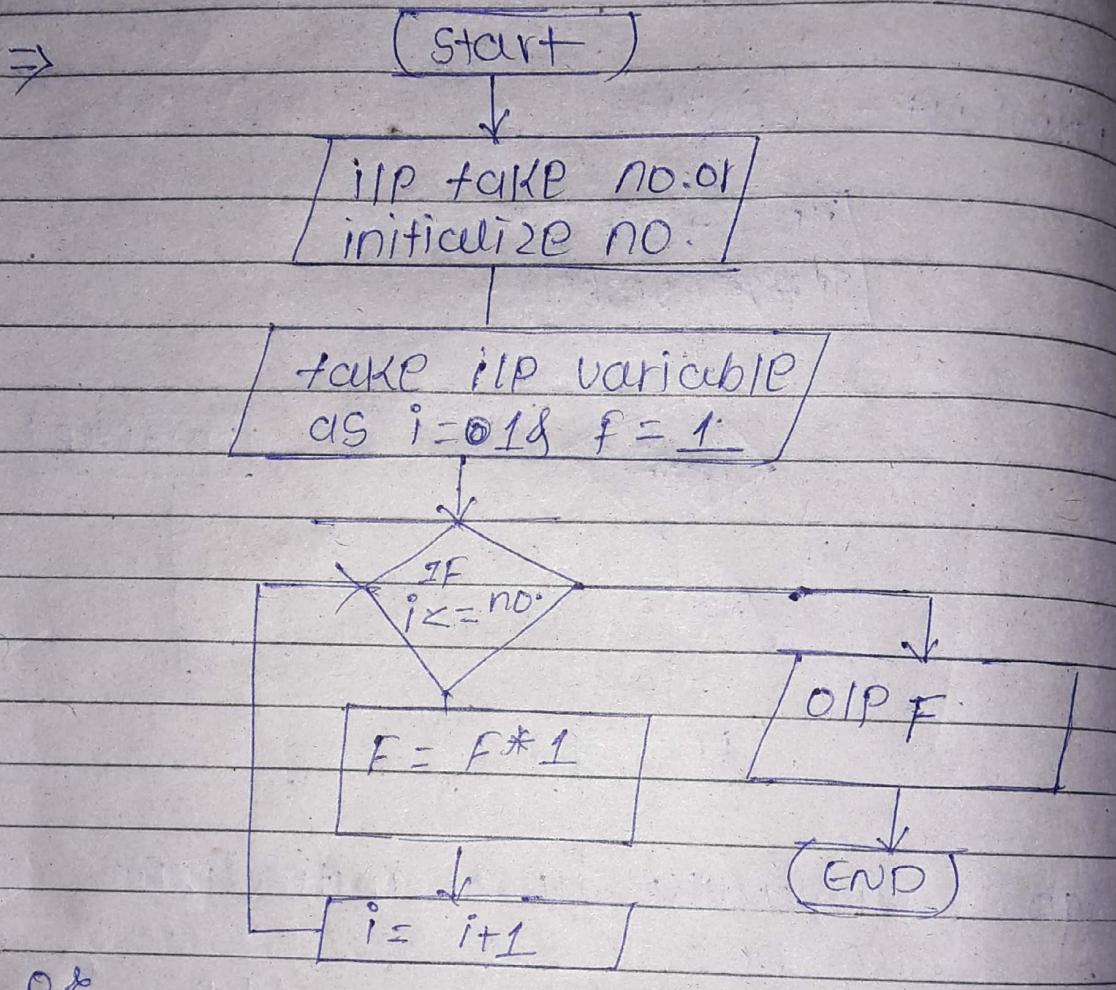
⇒ flowchart - (Start)



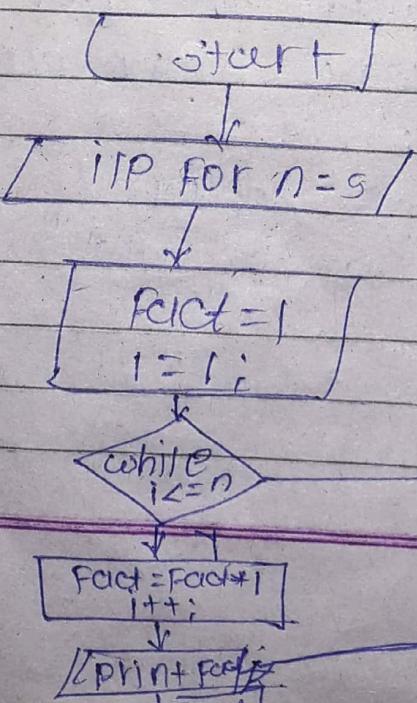
algo.

- ① - Take IIP or initialize no.
- ② - Divide the no. by 2. & Store Remainder R
- ③ - If  $R = 0$ , then no. print is "even"
- ④ - print "no. is odd"

② write a java program to find factorial of given number

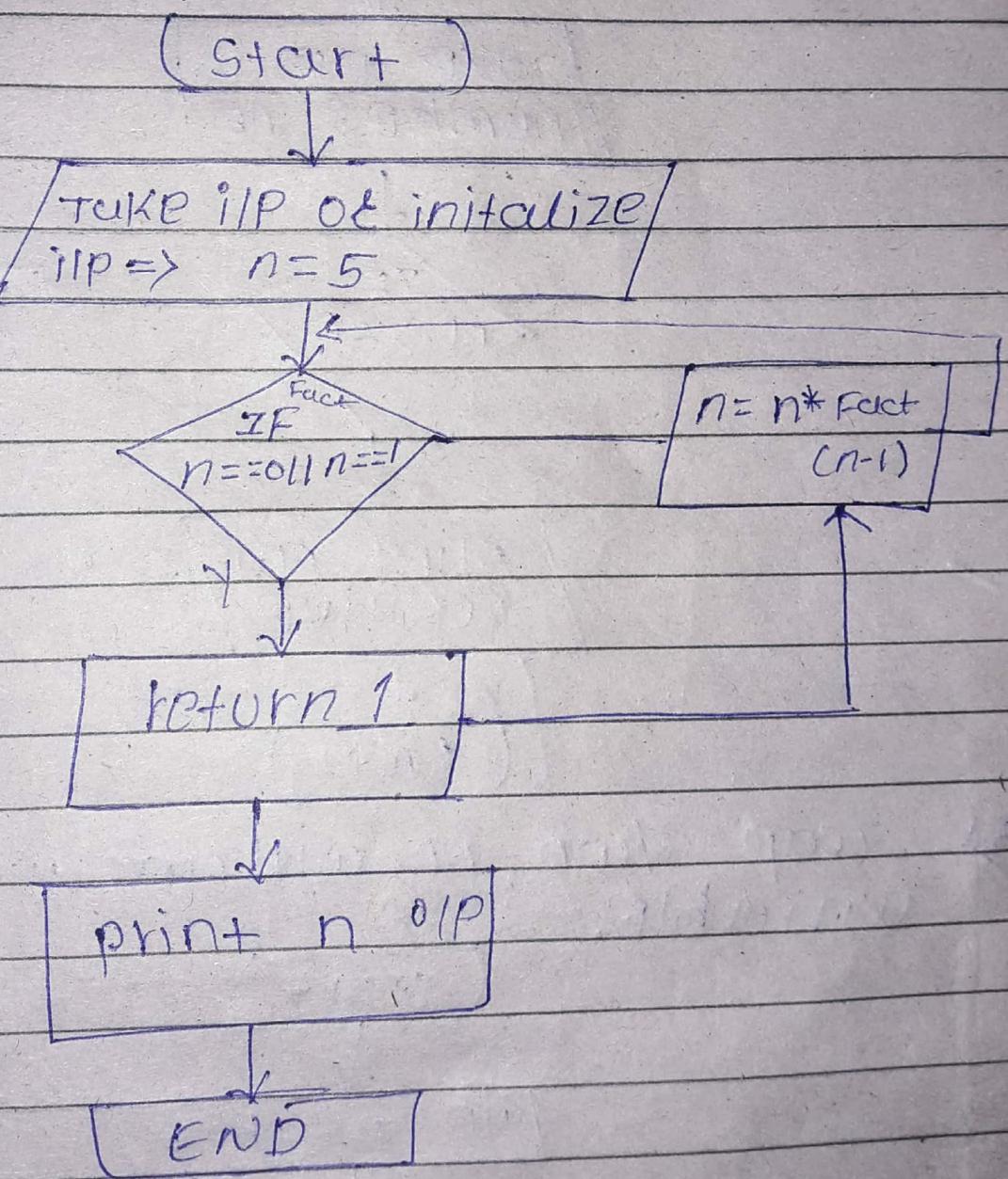


Q8



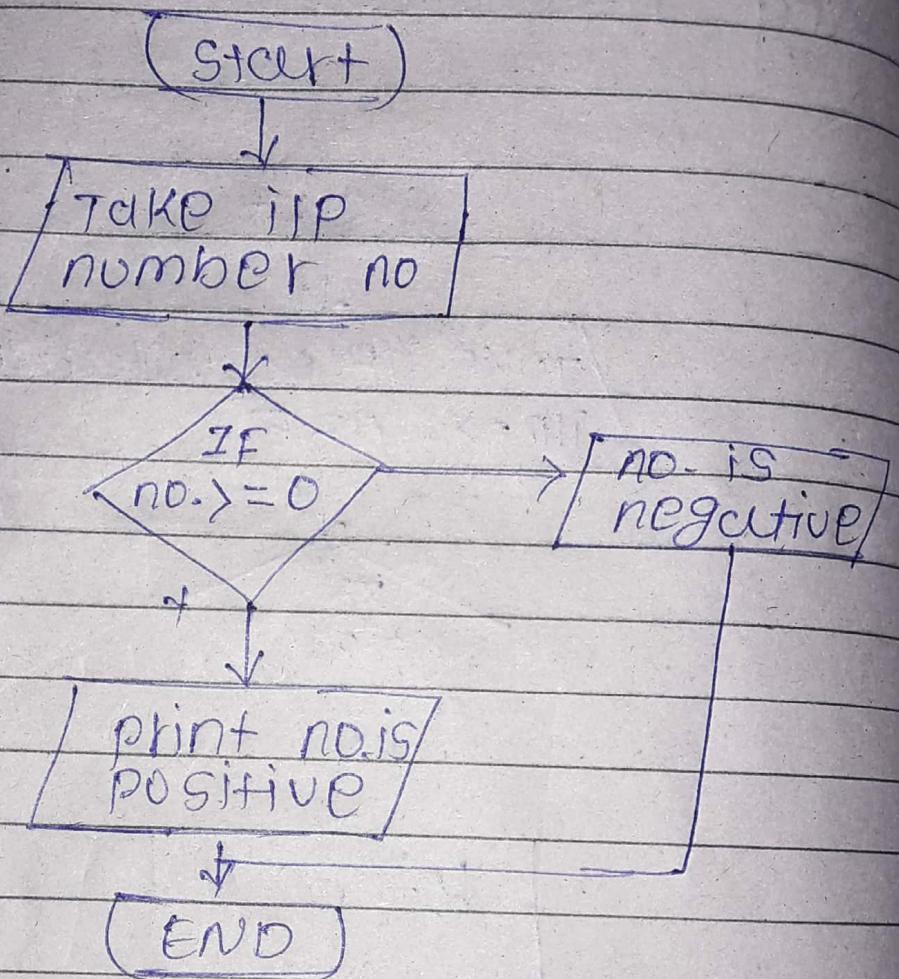
3) write a program to find factorial of given number using recursion.

=>

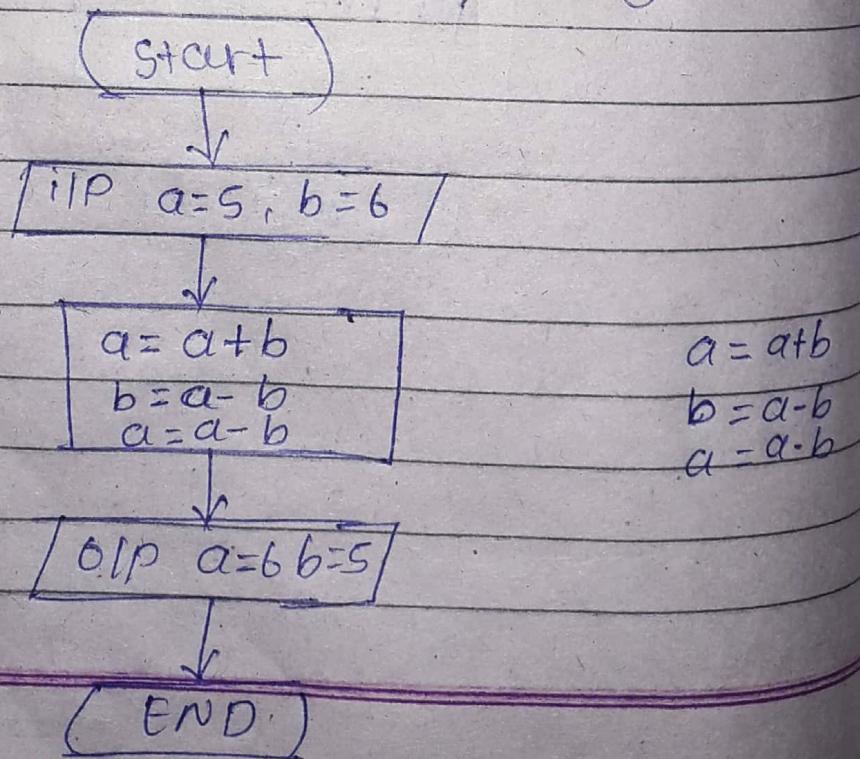


4) How to check the given number is positive or negative in Java

⇒

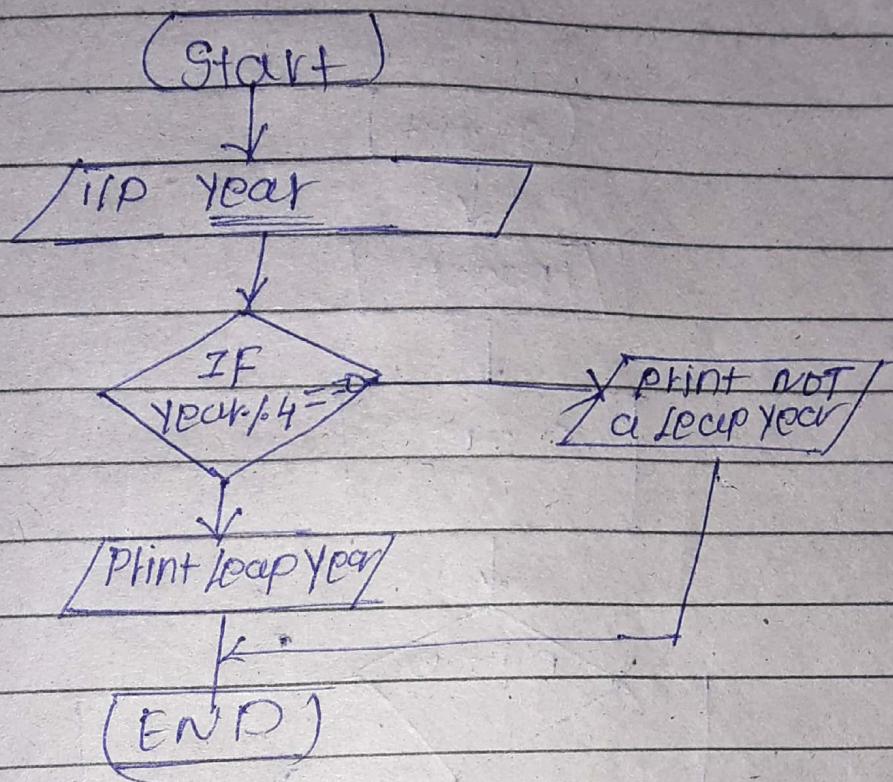


5) Swap two no. without using third variable.



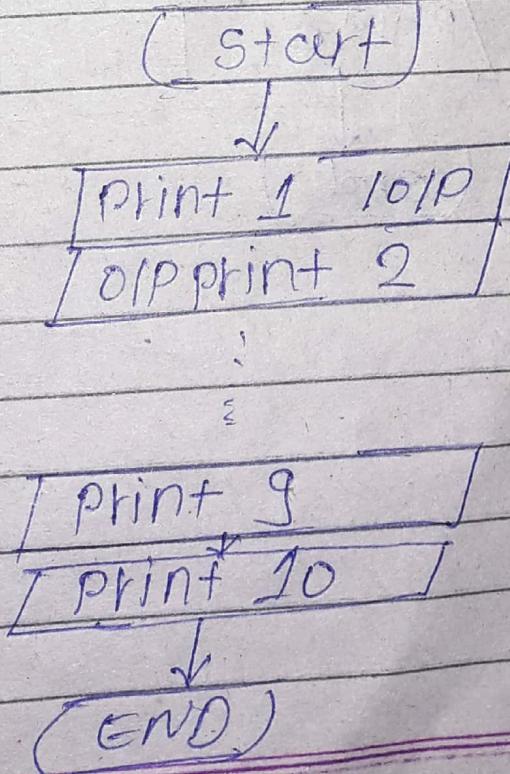
6) write a Java program to find whether given number is leap year or not.

⇒



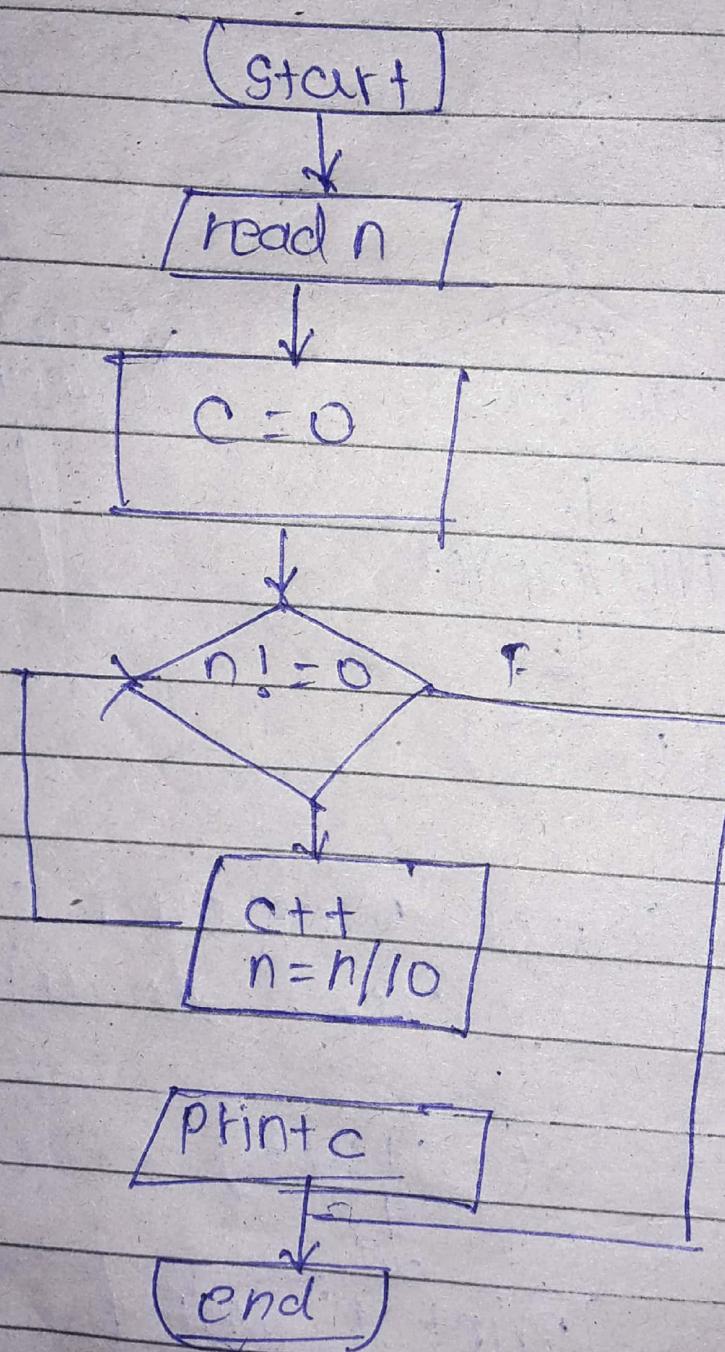
7) write a Java program to find whether print 1 TO 10 without using loops.

⇒

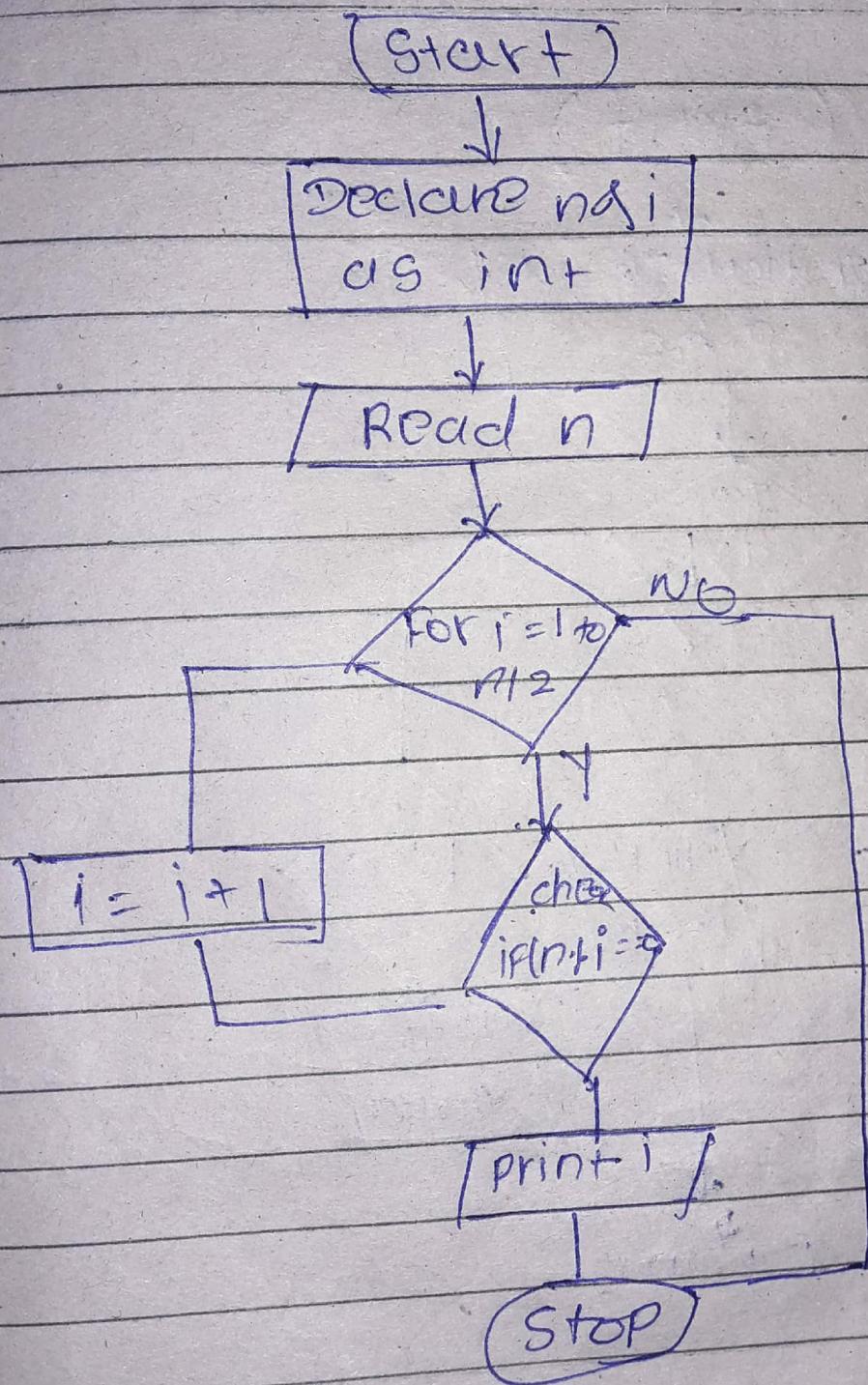


8) write java program to print digit of a given number.

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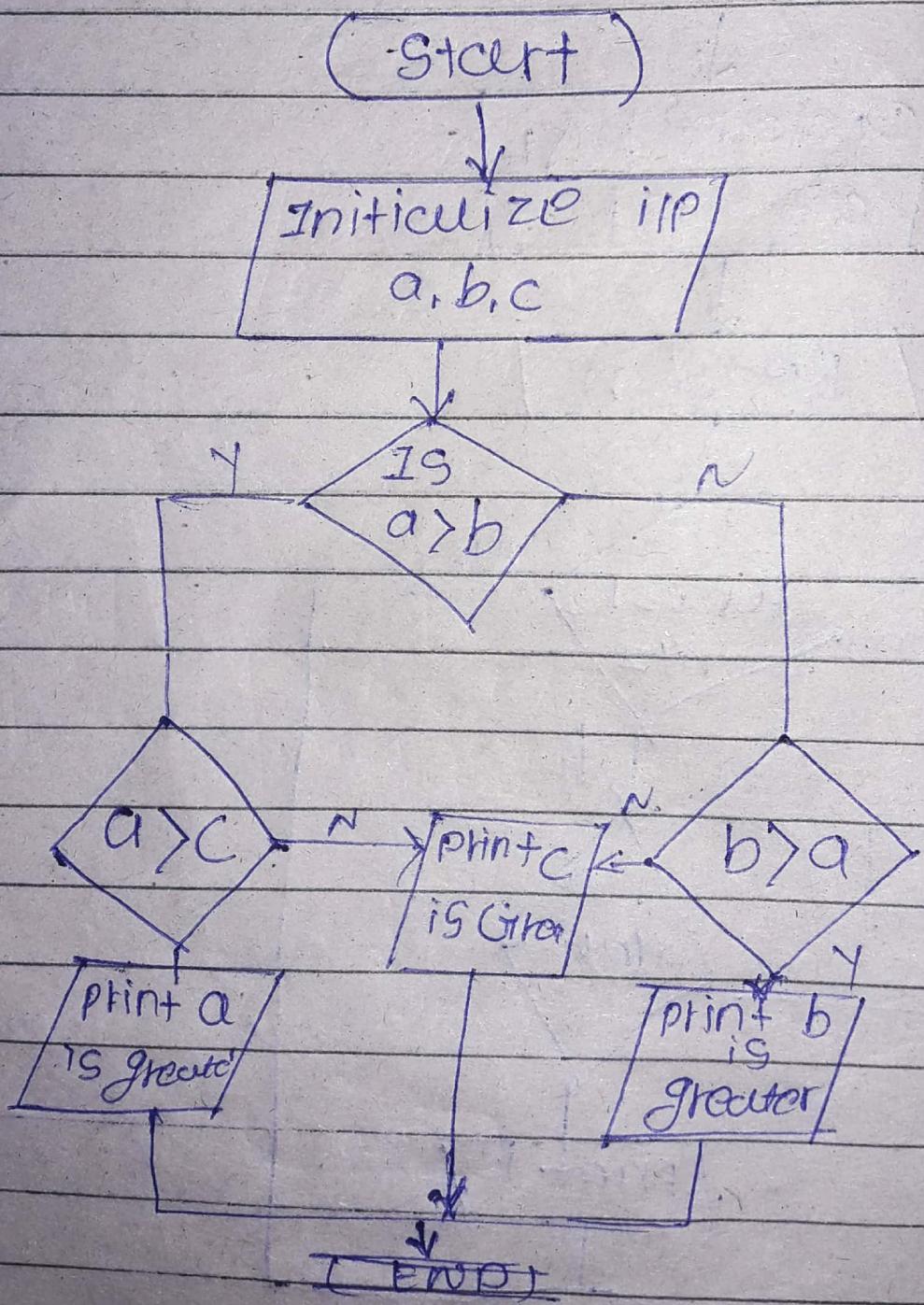


g) point factors of given number.

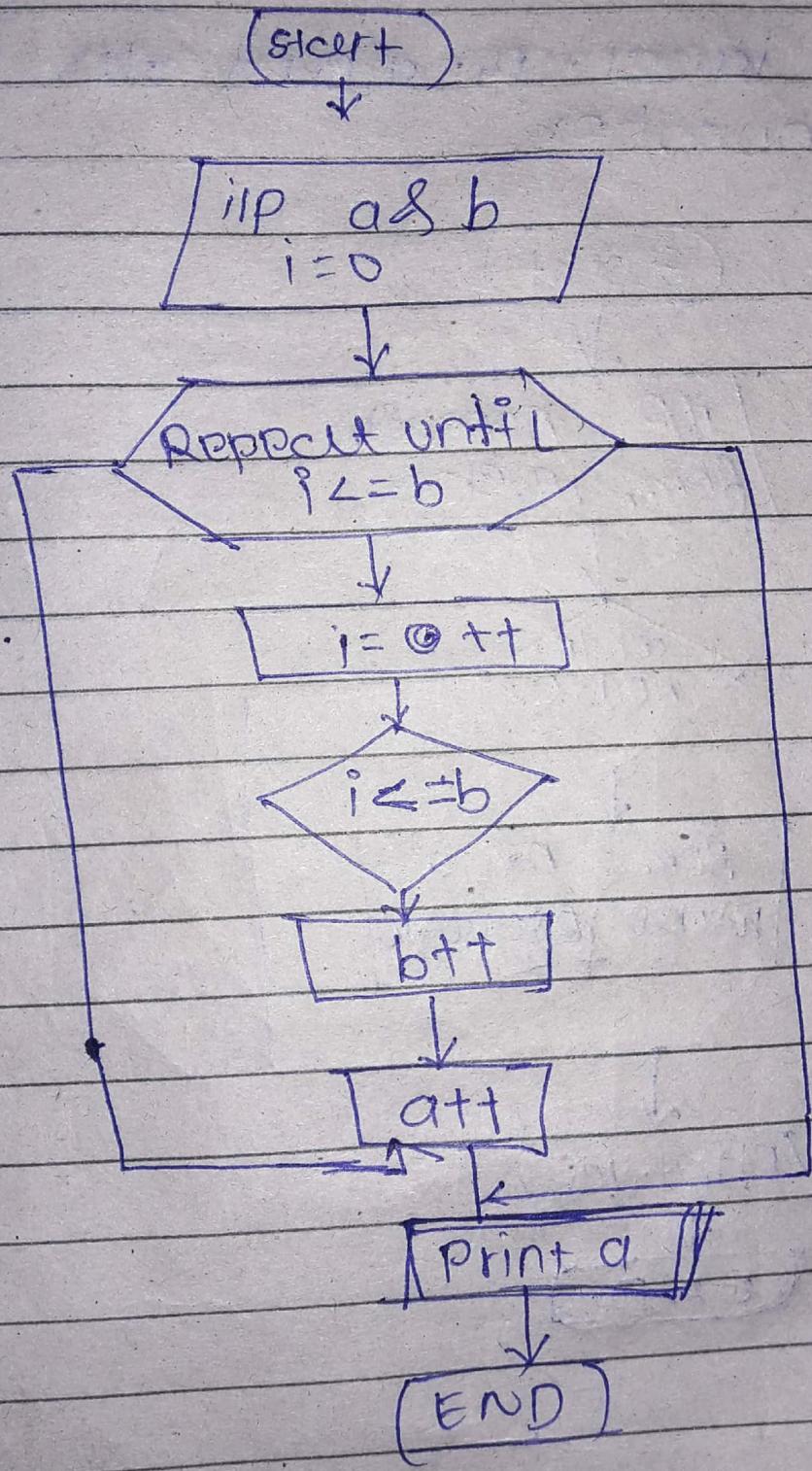


10) write java program to find  
the smallest of 3 numbers (a, b, c)

⇒

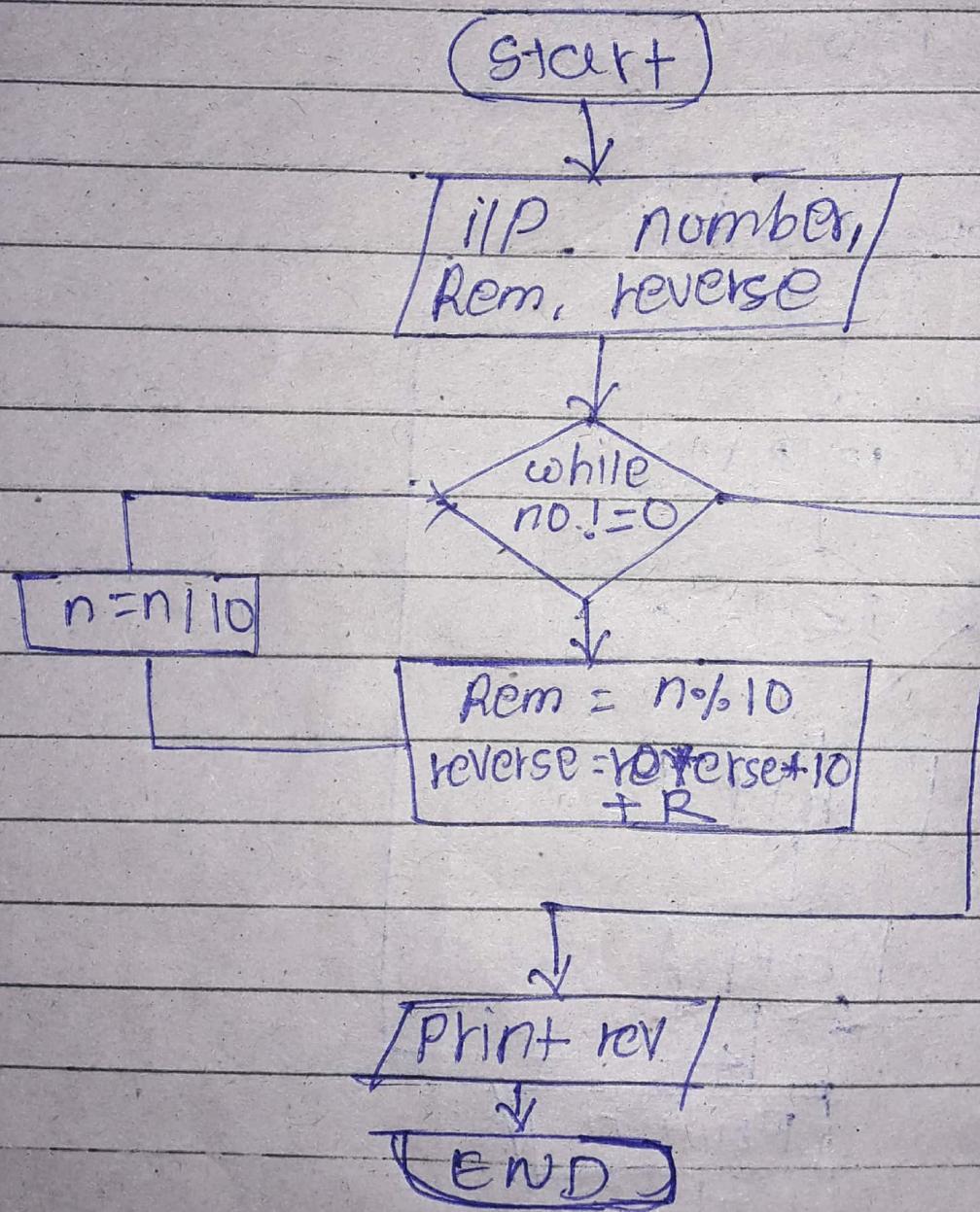


12)  $\Rightarrow$

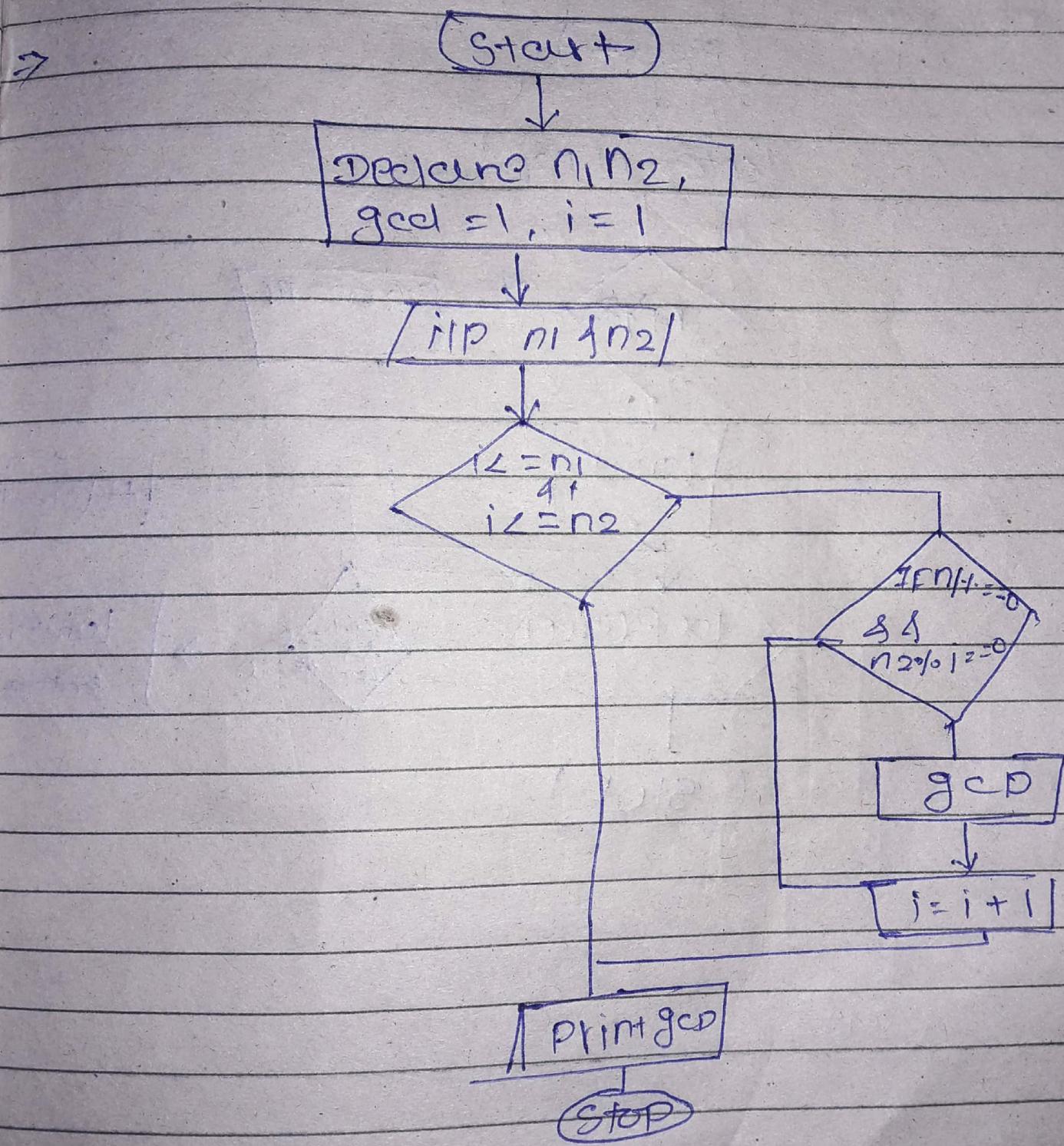


Q3) write java program to reverse a given number.

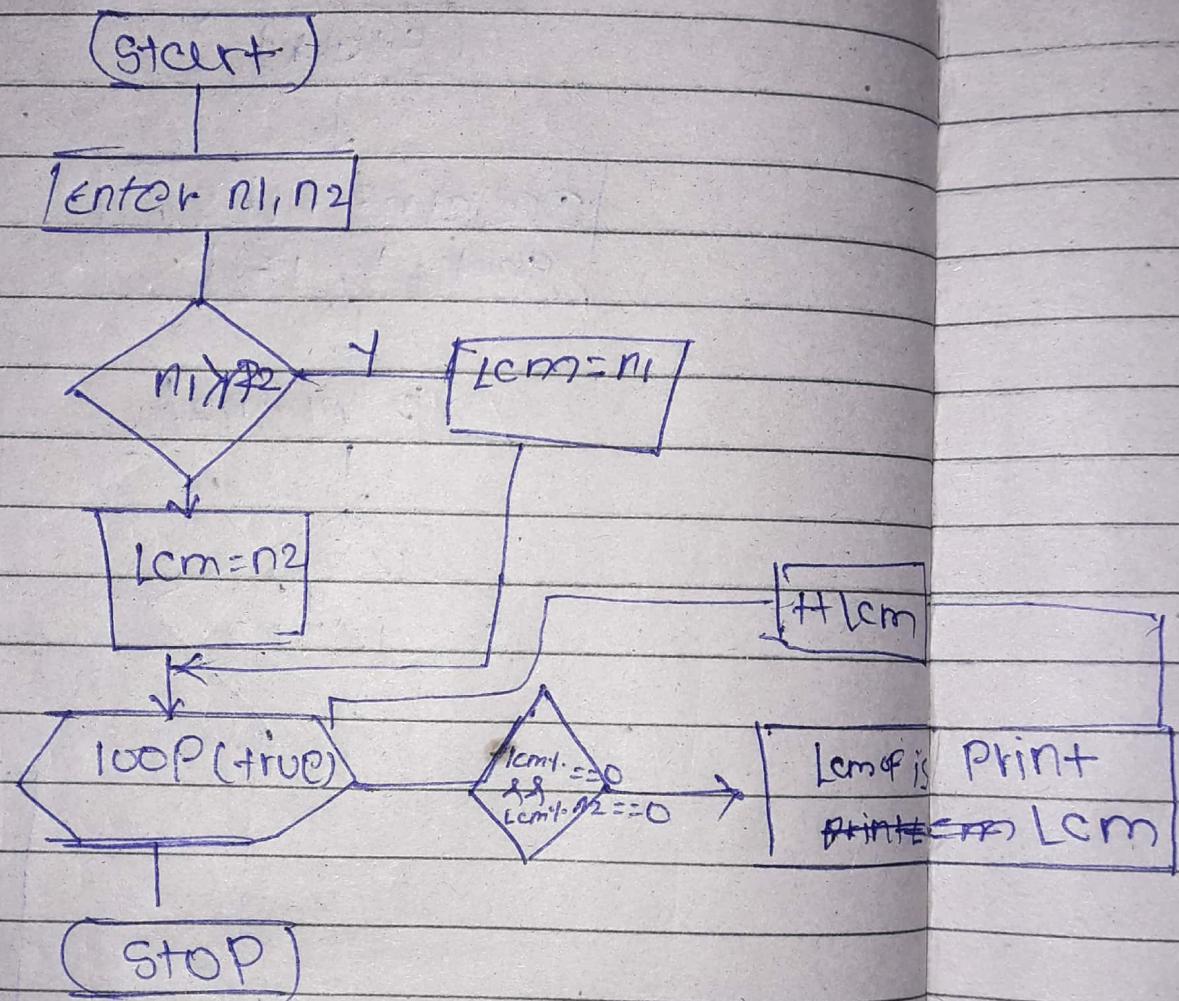
⇒



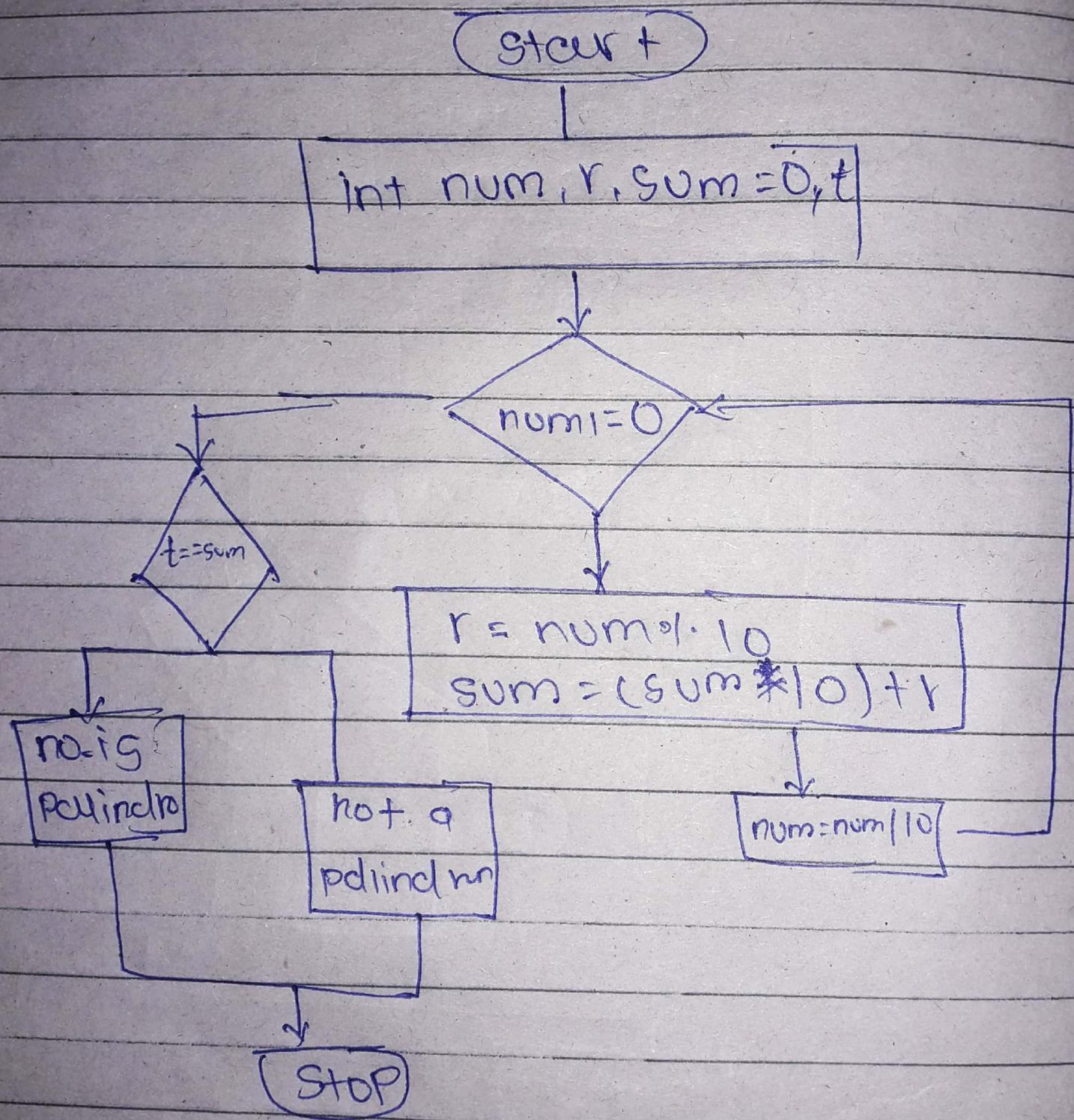
14) find GCD of two given no.



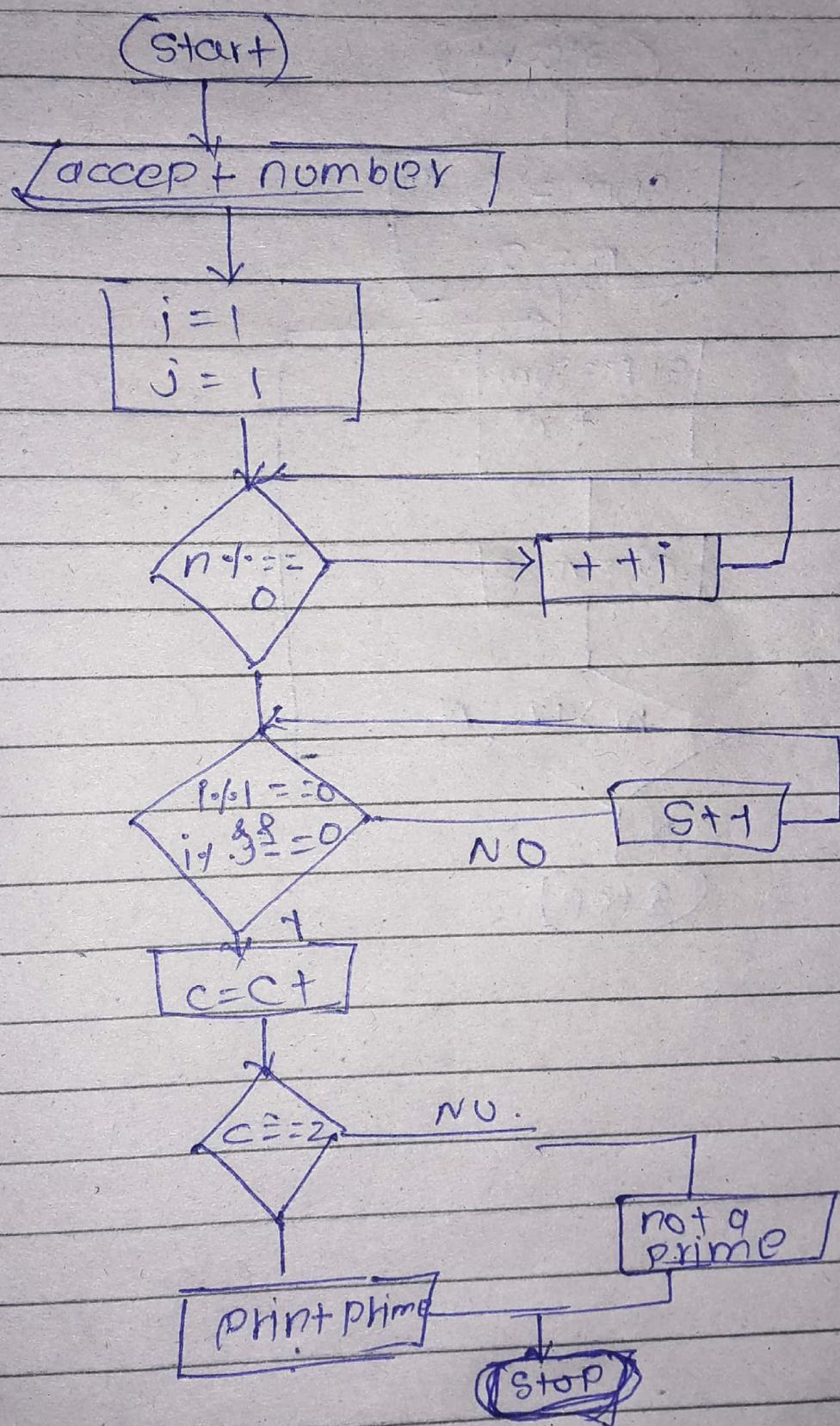
15) Find Lcm of two given no.



Q17) Given number is palindrome or not

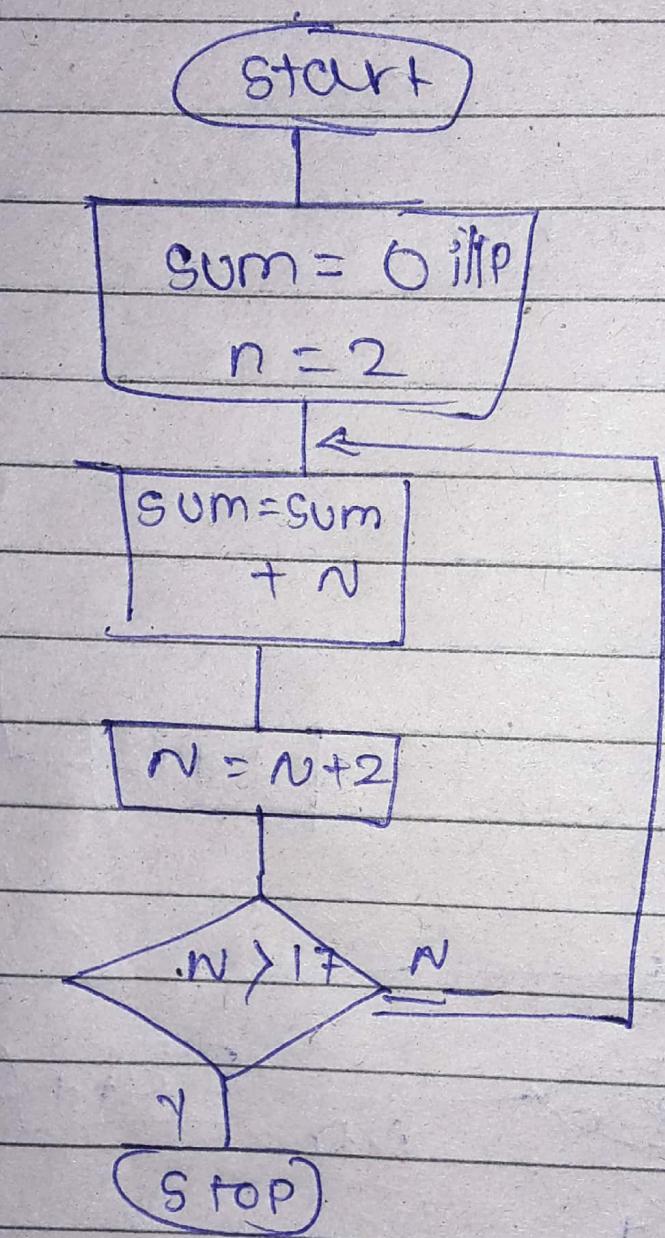


18) Print all the prime factors.



19) Even number from particular no

⇒



20) Print ODD no. Series from particular range 1, 3, 5, 7, --- 19

