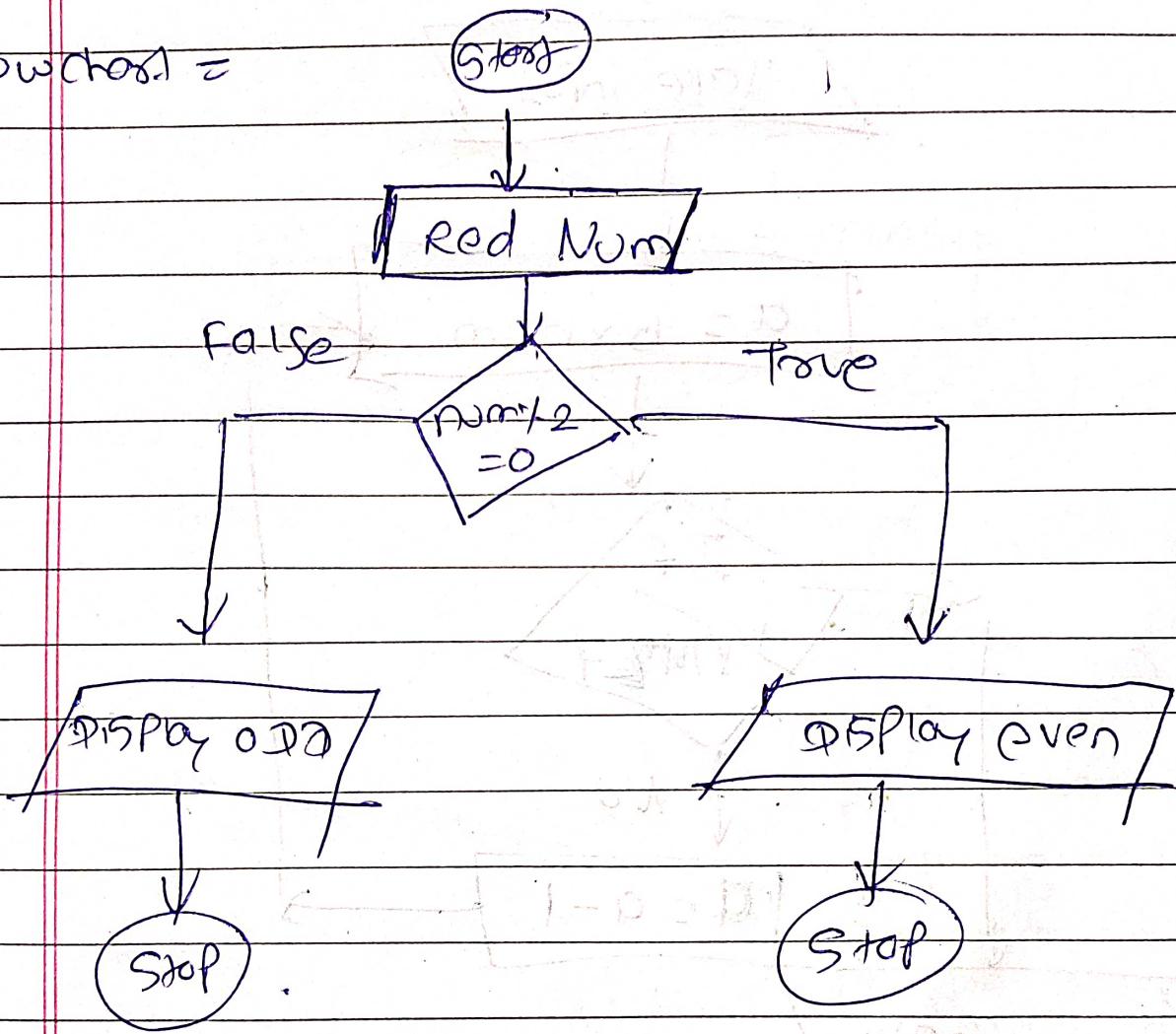


Q. check the given number is even or

odd



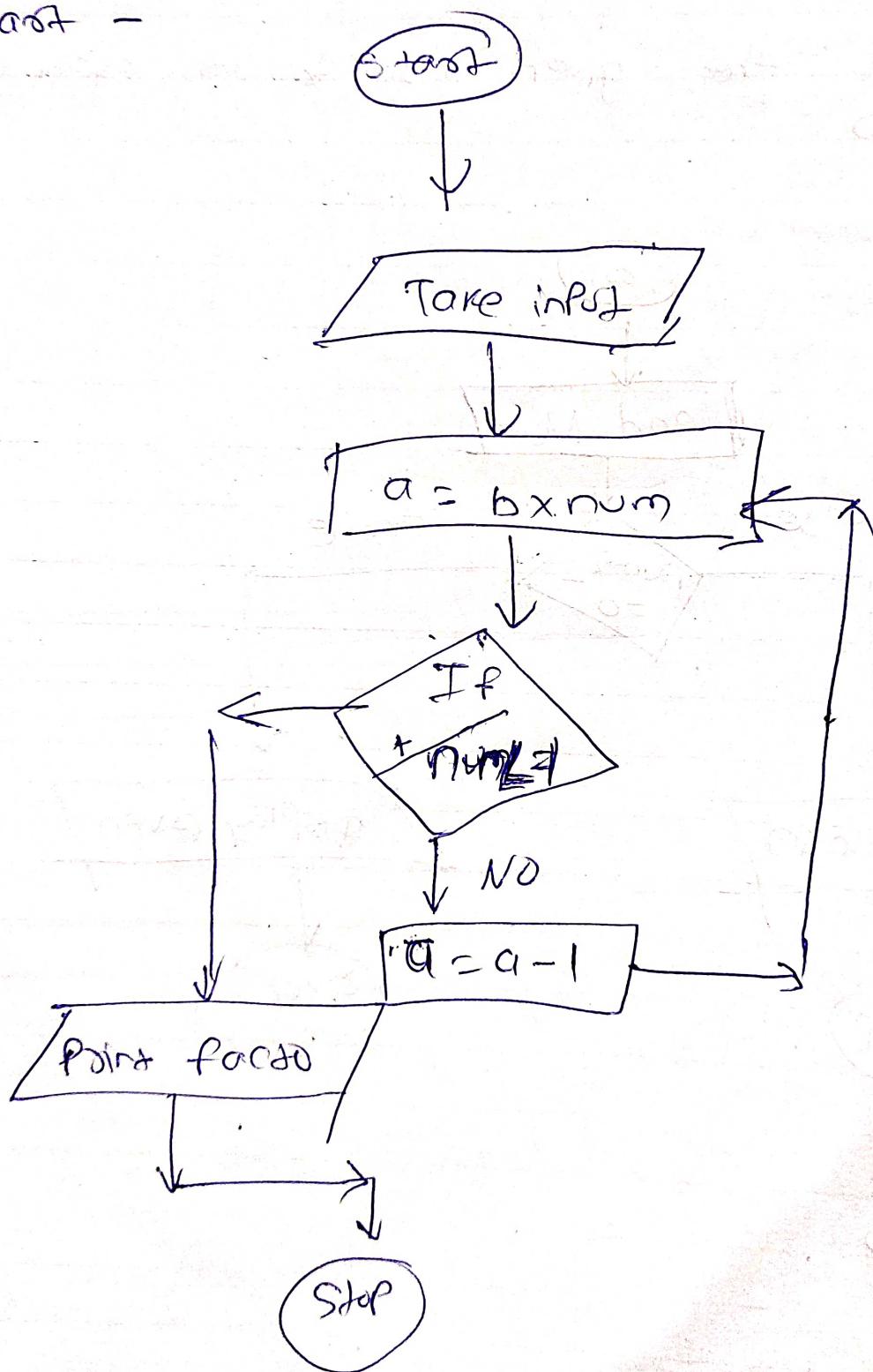
Flowchart =



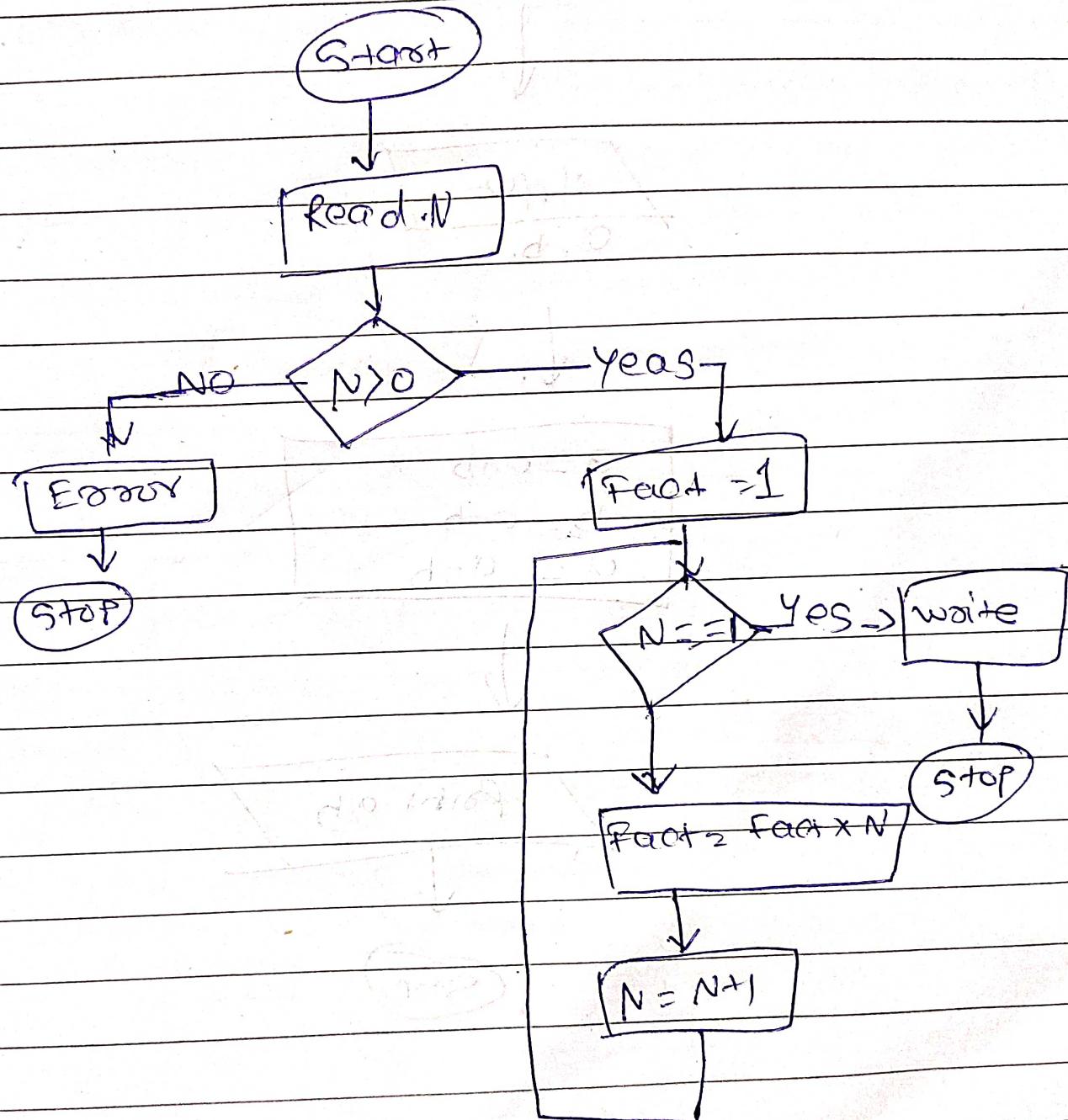
Algo - ①

② Factorial
Find

Flowchart -

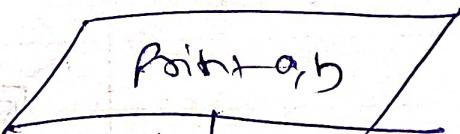
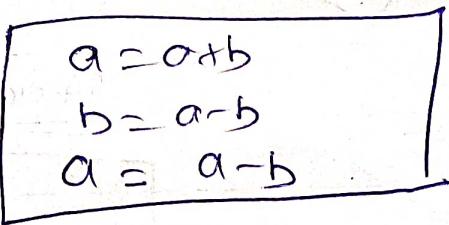
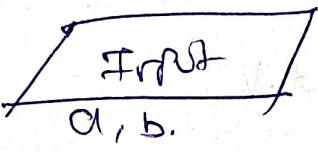


(3) Find the Factorial Using recursion

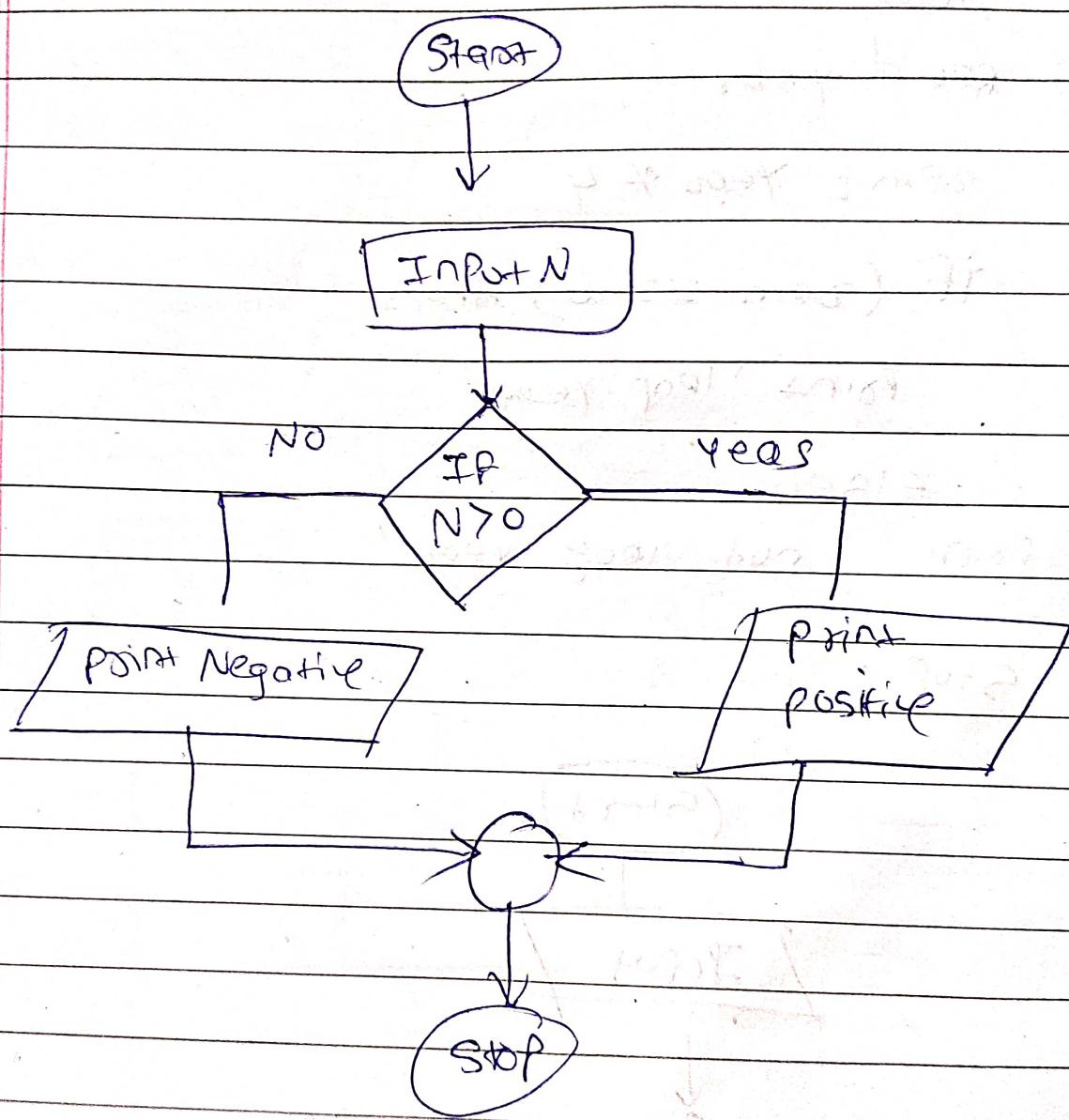


④

swap two numbers without using third variable



Q) Whether the number is positive or
Negative



20 28

Q6) Find whether given number is leap year or not

algo.

① Start

② Read year

③ $\text{rem} = \text{Year} \% 4$

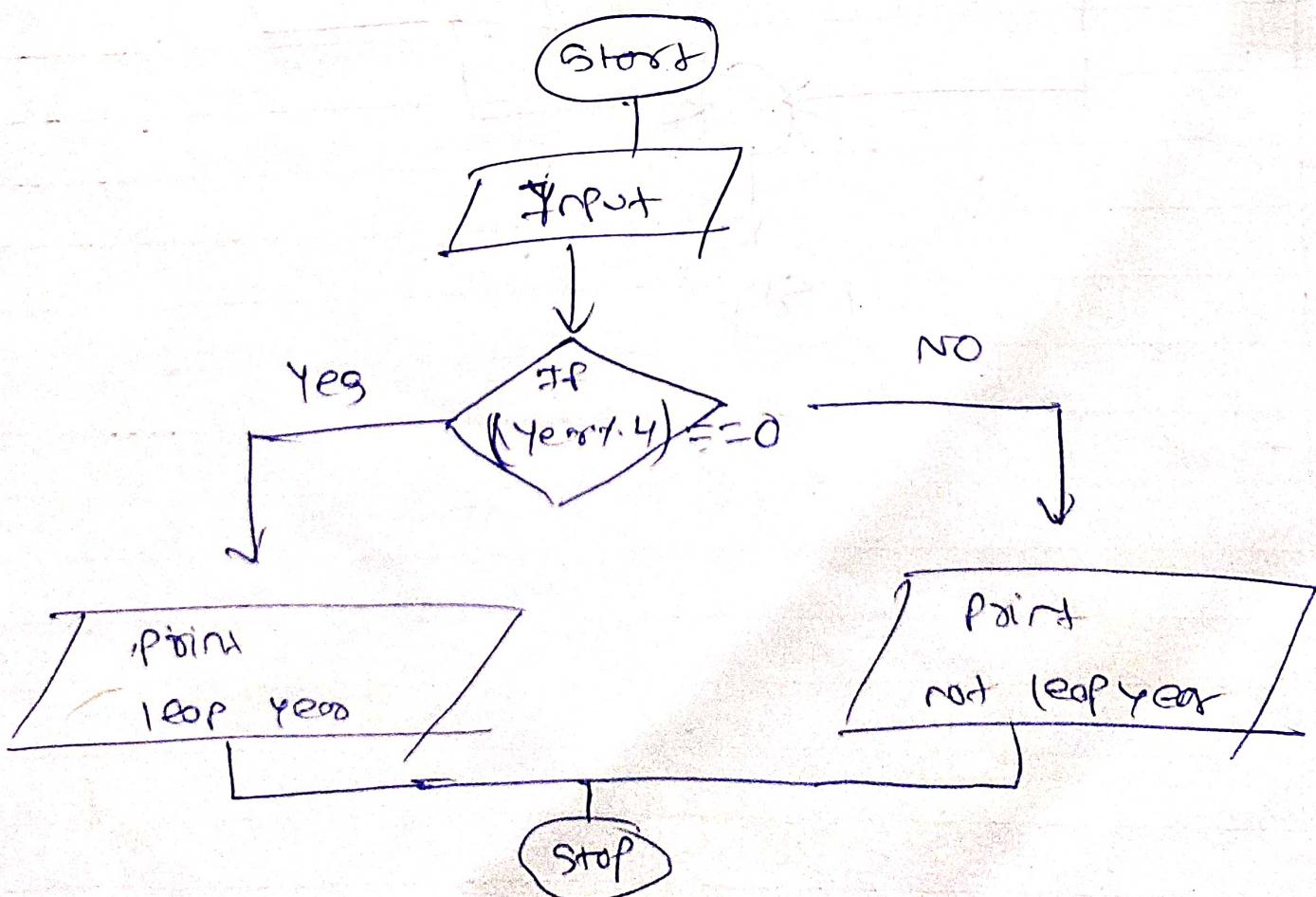
④ if ($\text{rem} == 0$) then

Print 'leap year'

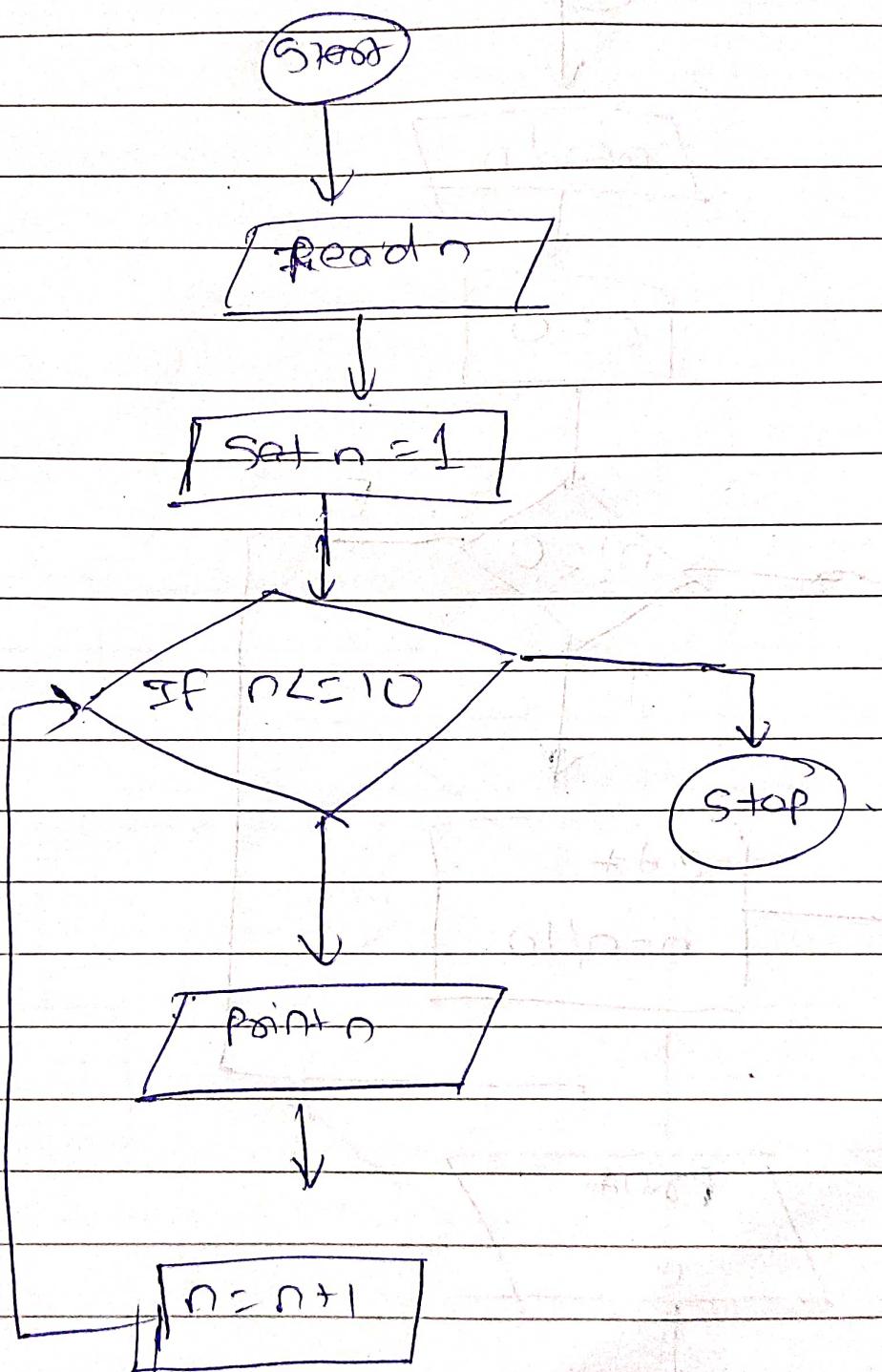
else

Print 'not leap year'

⑤ Stop

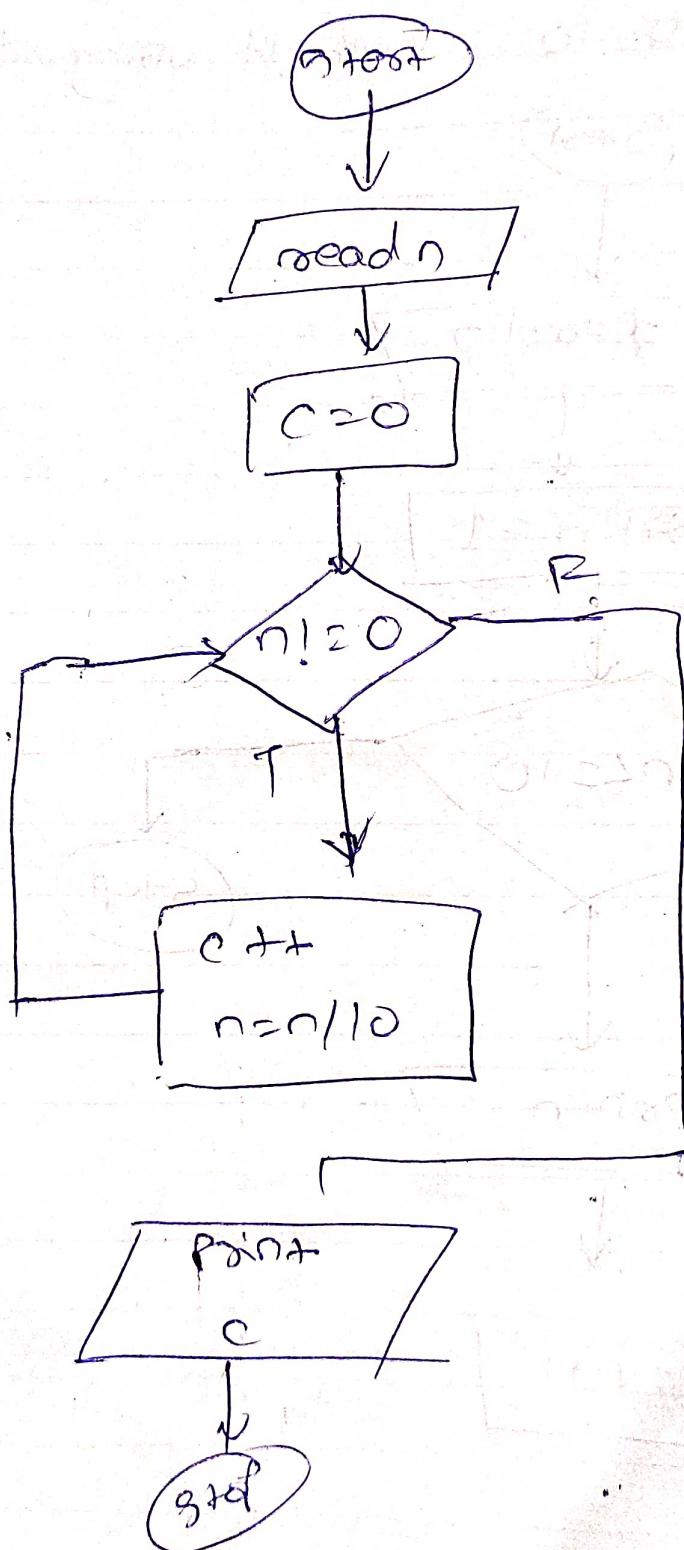


Q7. Print 1 to 10 without using loop.



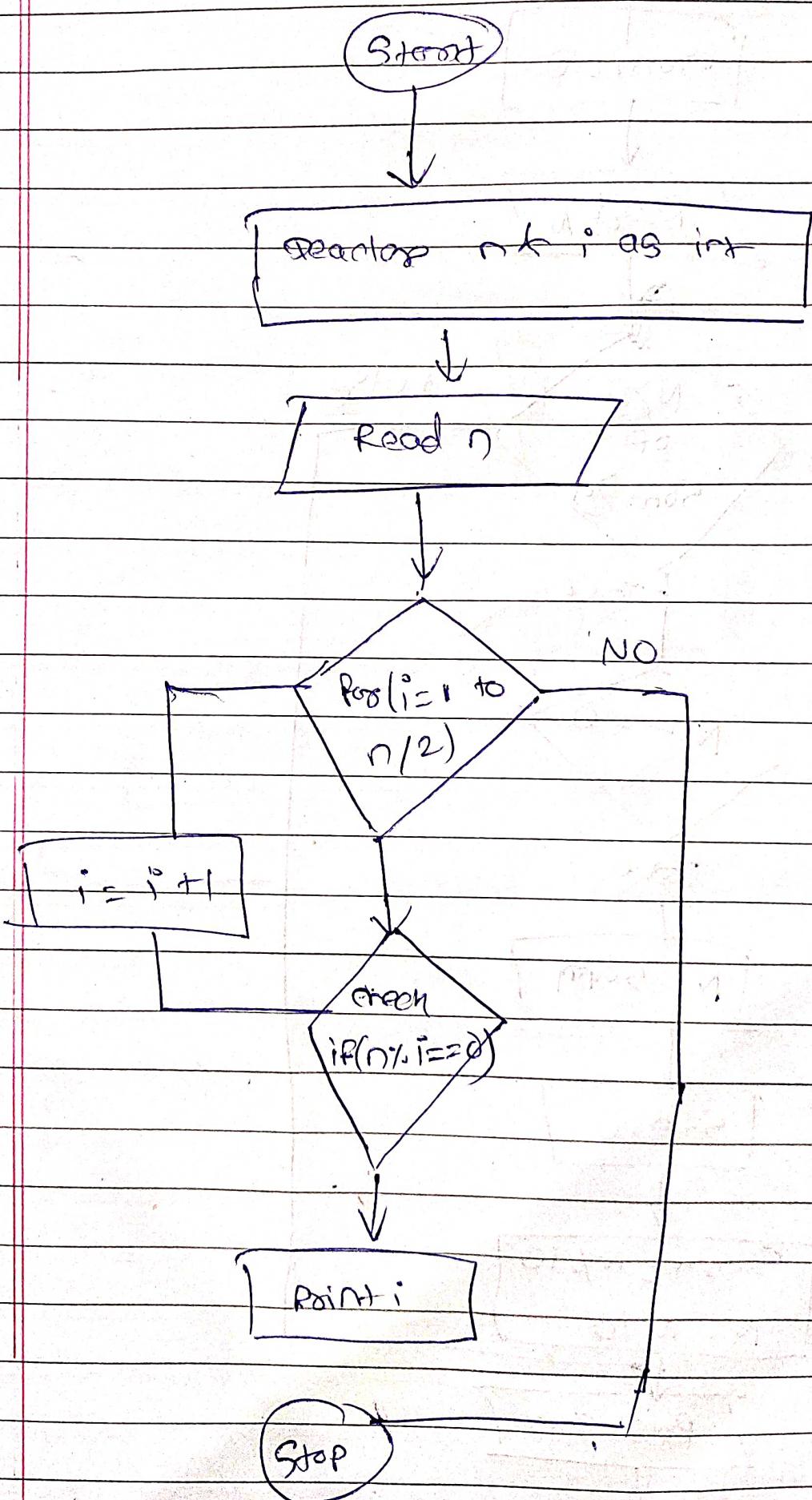
Q8. Point the digits of a given number

F



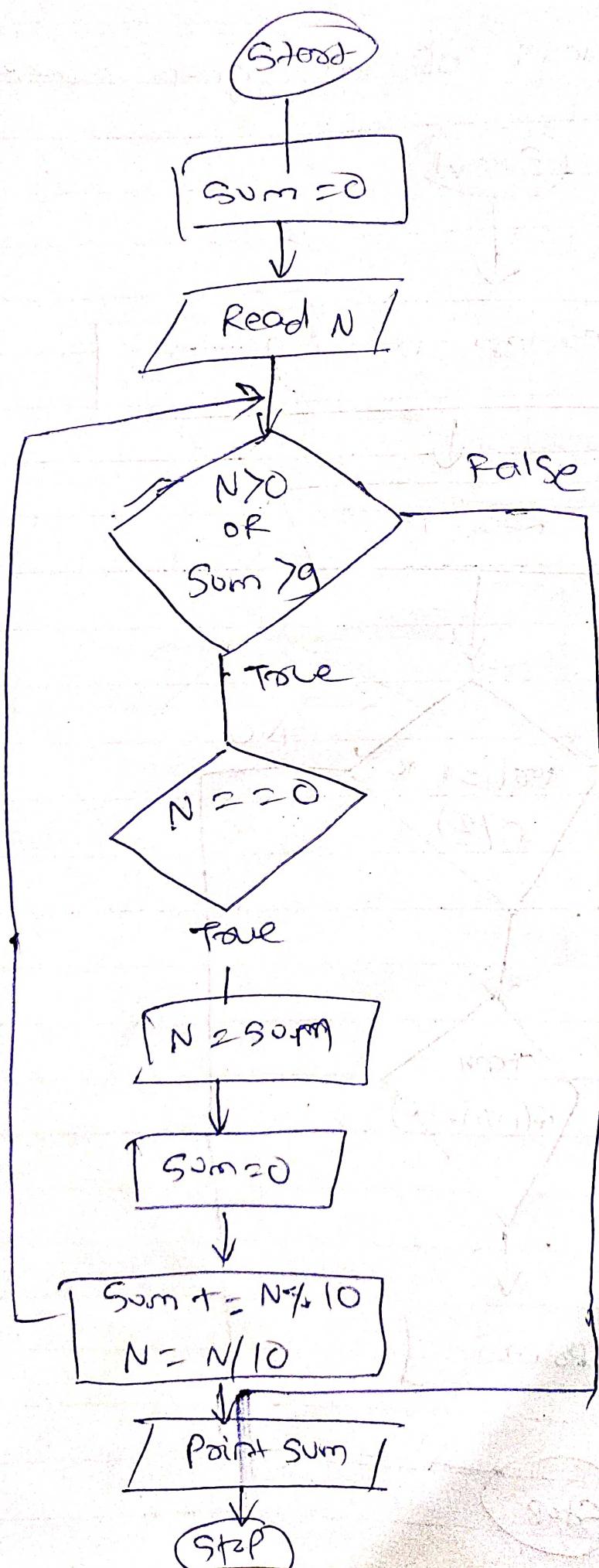
Q

Point Factors of the given number

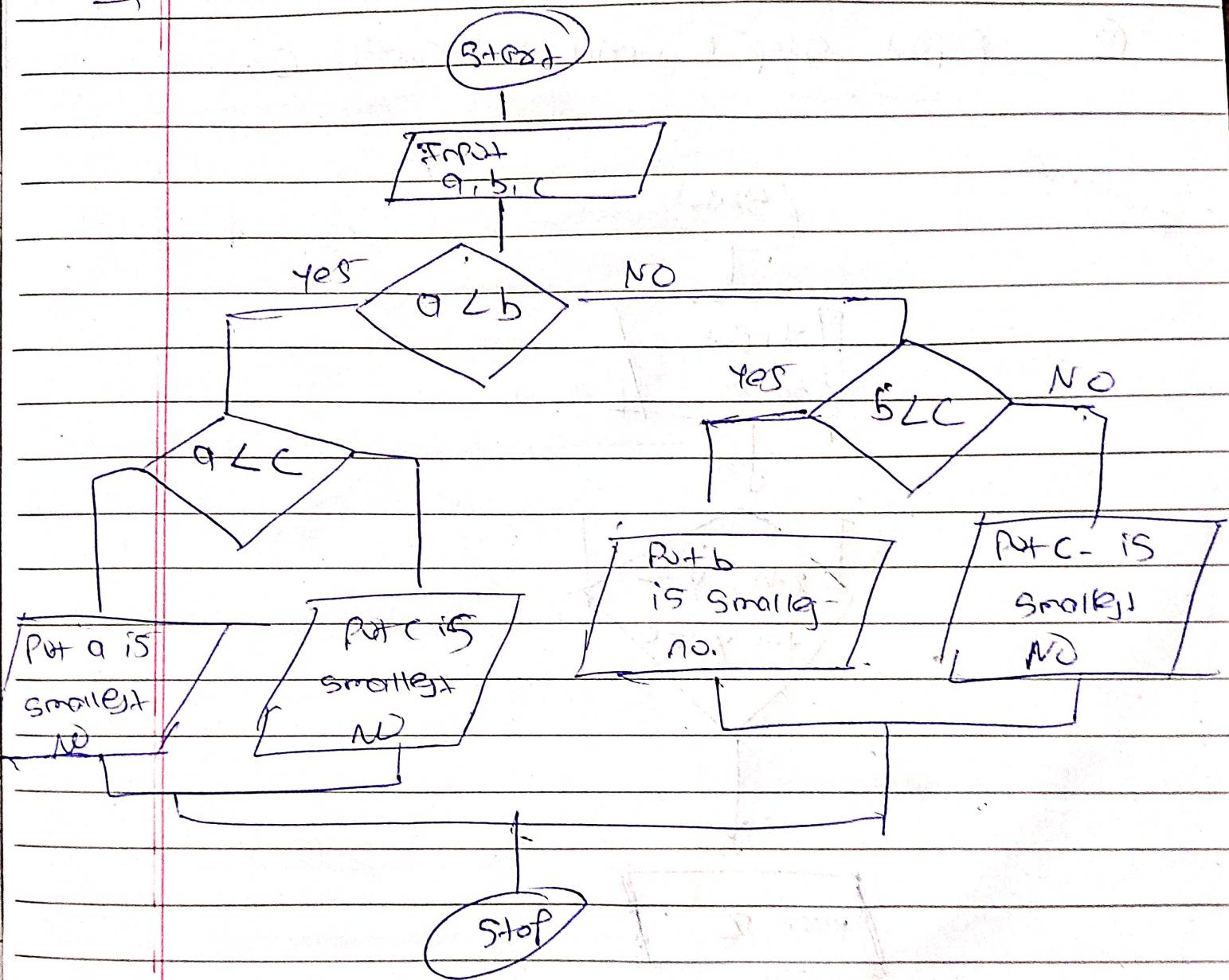


iu

Sum of digits of given number



Q11. Find the smallest of 3 numbers : (a, b, c)



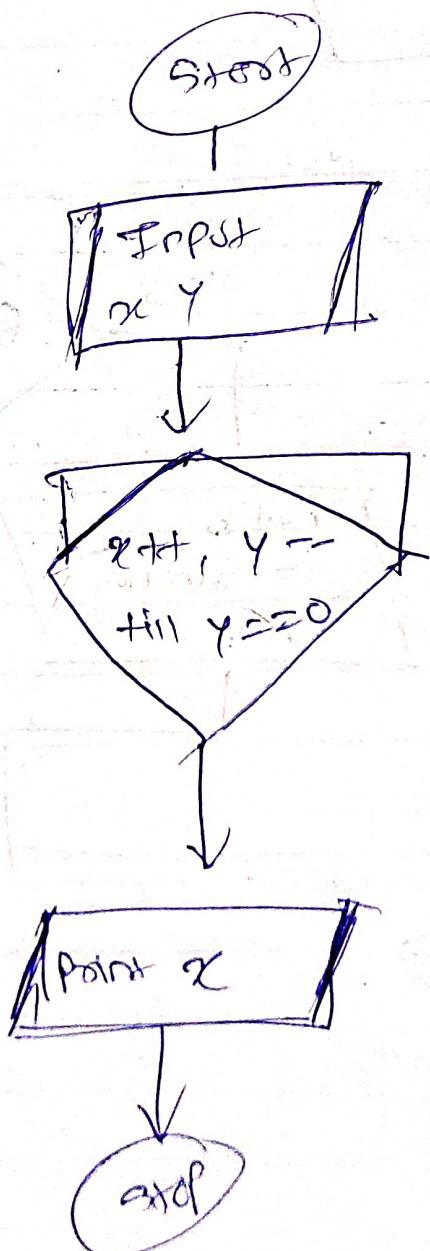
Q12) add two numbers using the arithmetic operators

Algo.

① $x \leftarrow x + y$; $y \leftarrow -y$

② Repeat step 1 until y becomes 0.

Flowchart



Q13. to reverse a given number

Algo - ① Start

② accept number ie. num

③ sum = 0

④ rem = num % 10

$$\text{sum} = (\text{sum} \times 10) + \text{rem}$$

$$\text{num} = \text{num} / 10$$

⑤ If ($\text{num} > 0$) then

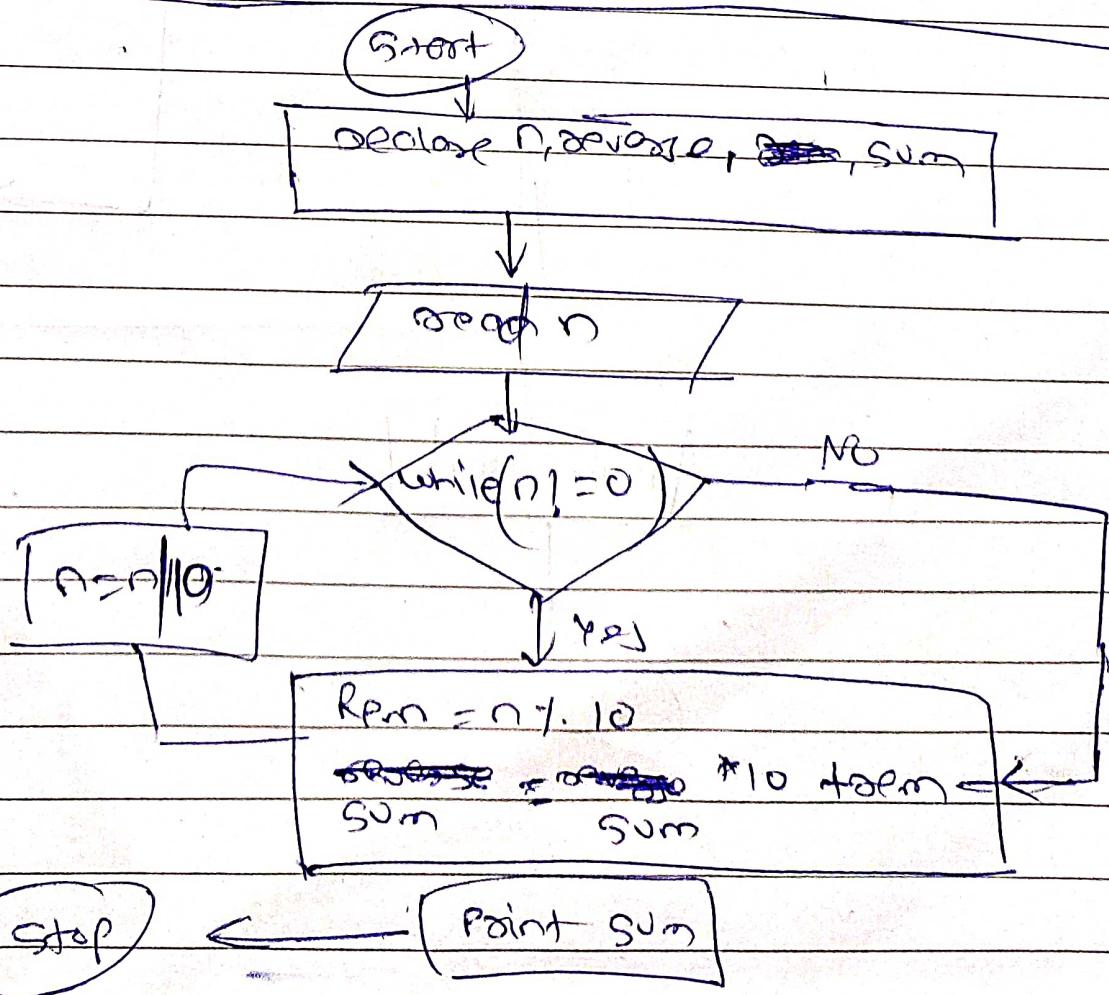
 goto step ④

 otherwise goto step ⑥

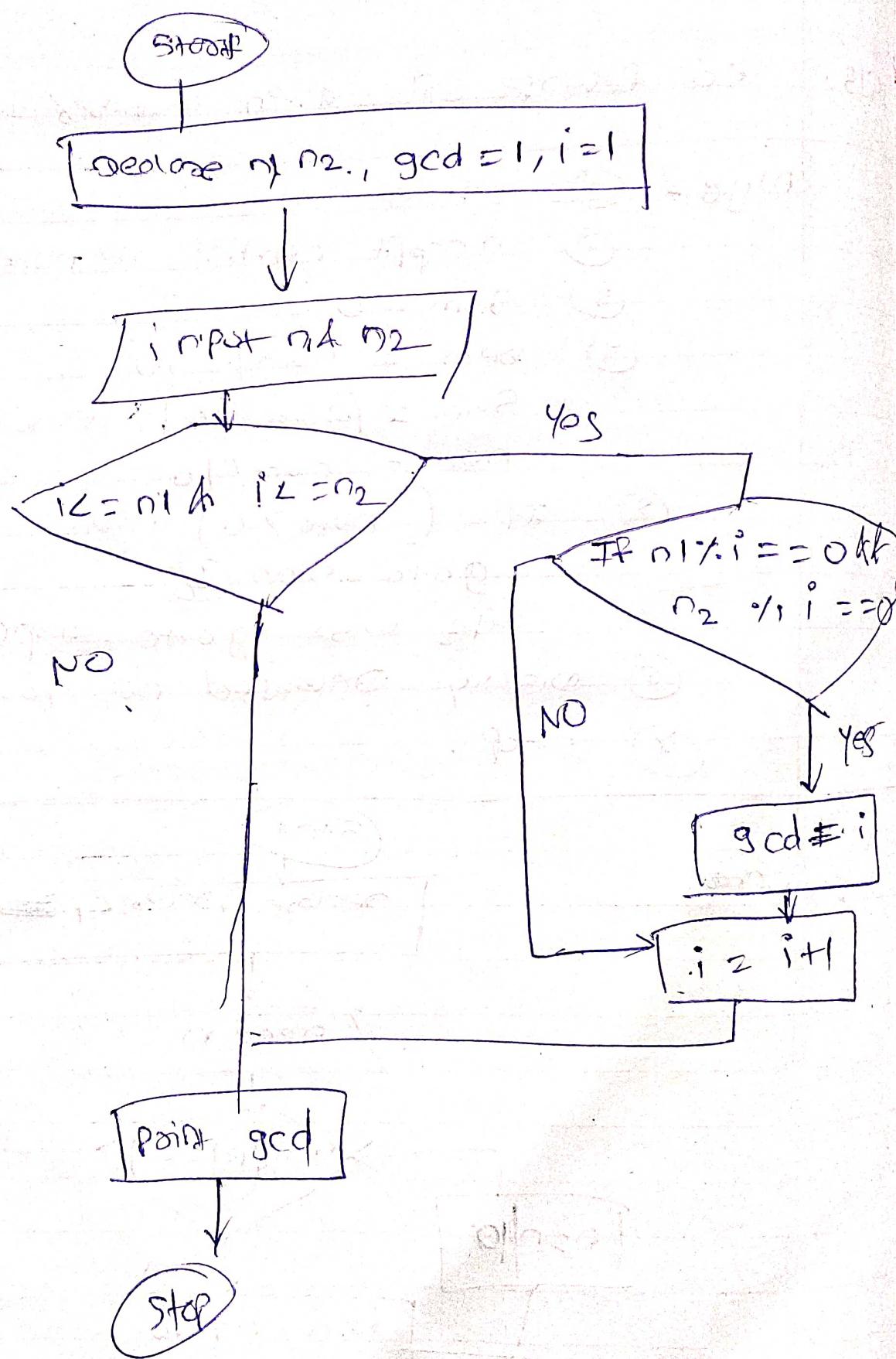
⑥ display reversed no. ie sum

⑦ stop.

Flowchart



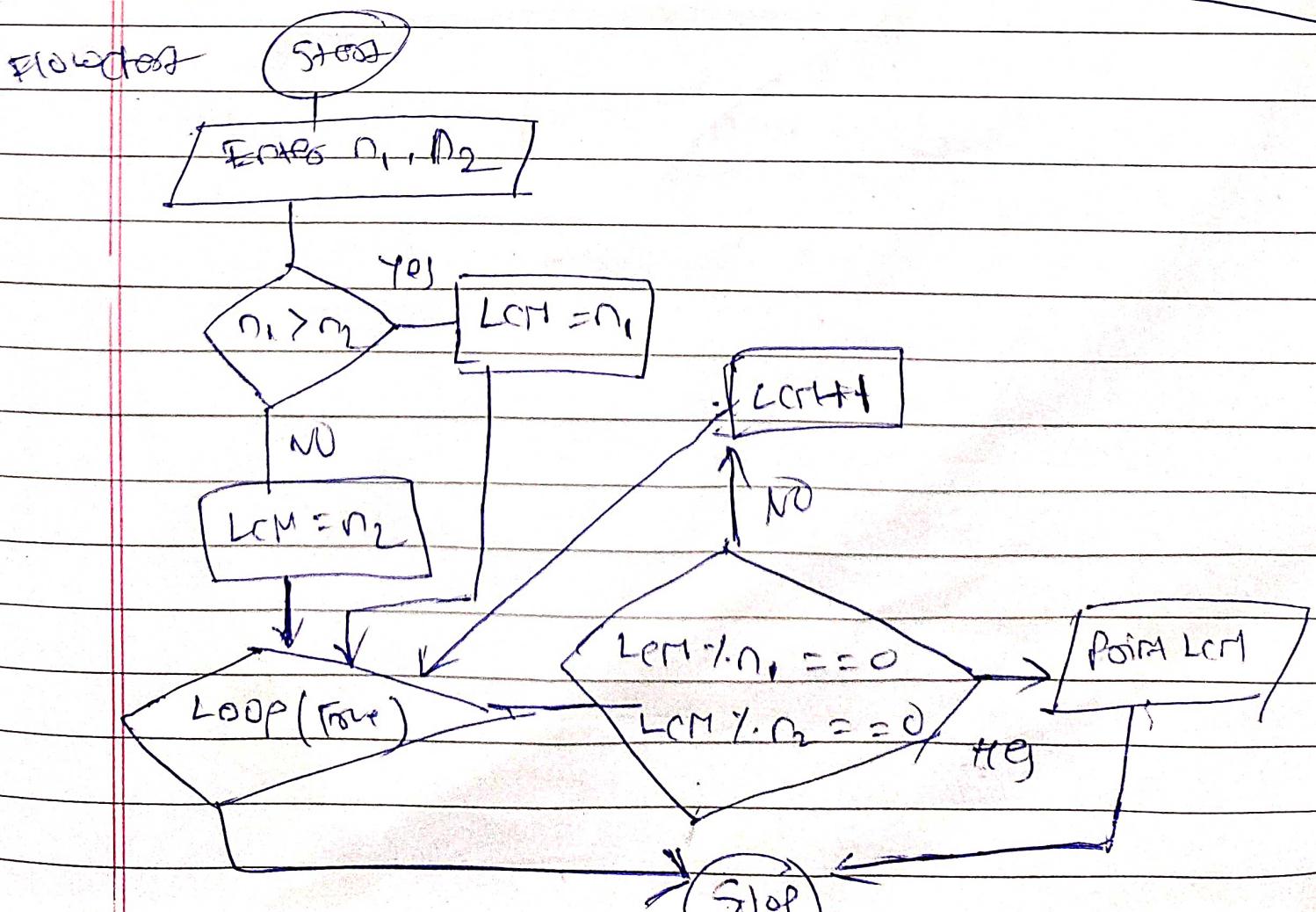
Q14) Find GCD of two given numbers



Q15. LCM of two given numbers

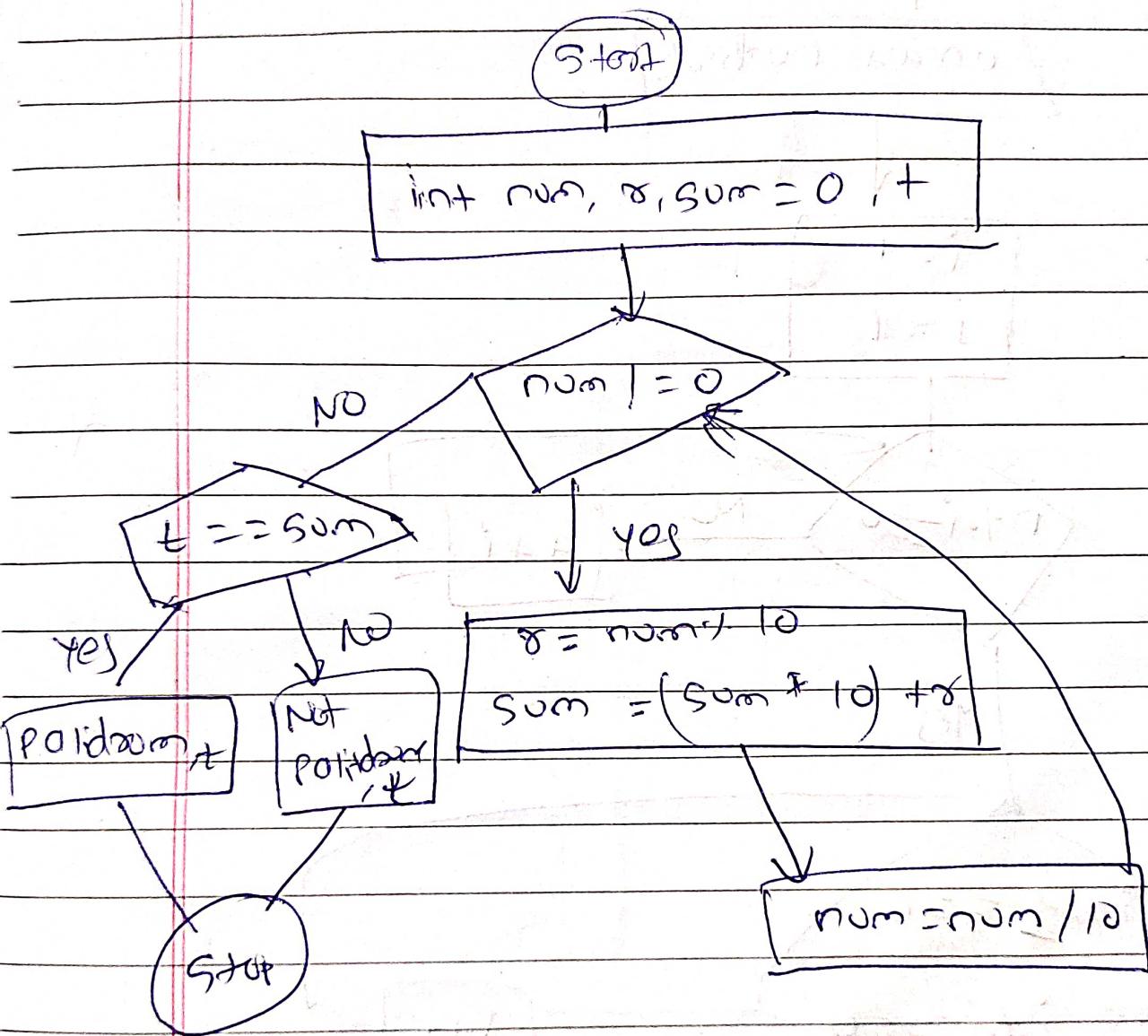
→ Algo -

- ① Start
- ② accept two numbers
- ③ If $n_1 > n_2$ $LCM = n_1$,
else $LCM = n_2$
- ④ validate LCM is divisible by both n_1 & n_2
- ⑤ If divisible print LCM of two numbers
- ⑥ else the value of LCM is incorrect
and go to step ④
- ⑦ stop



Q17

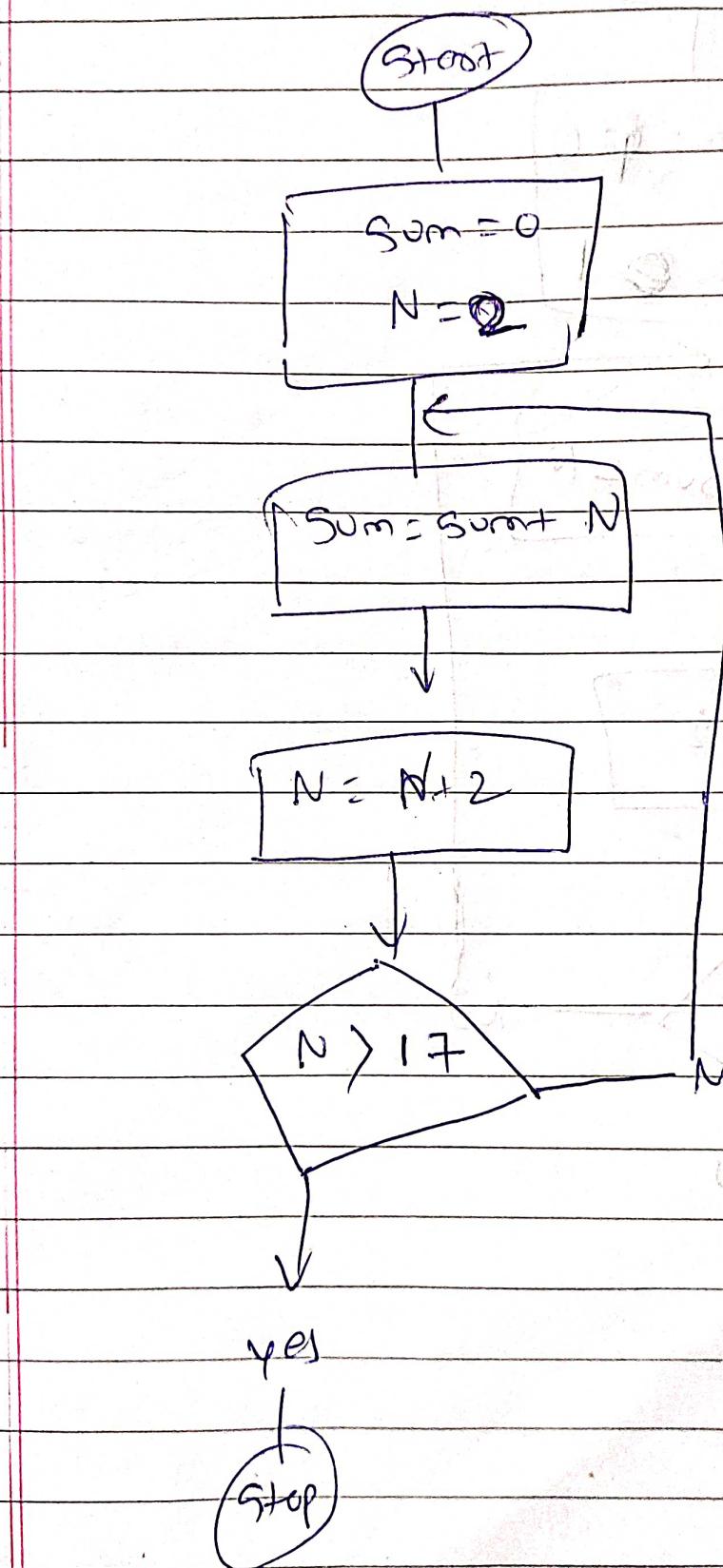
Given number is palindrome or NOT



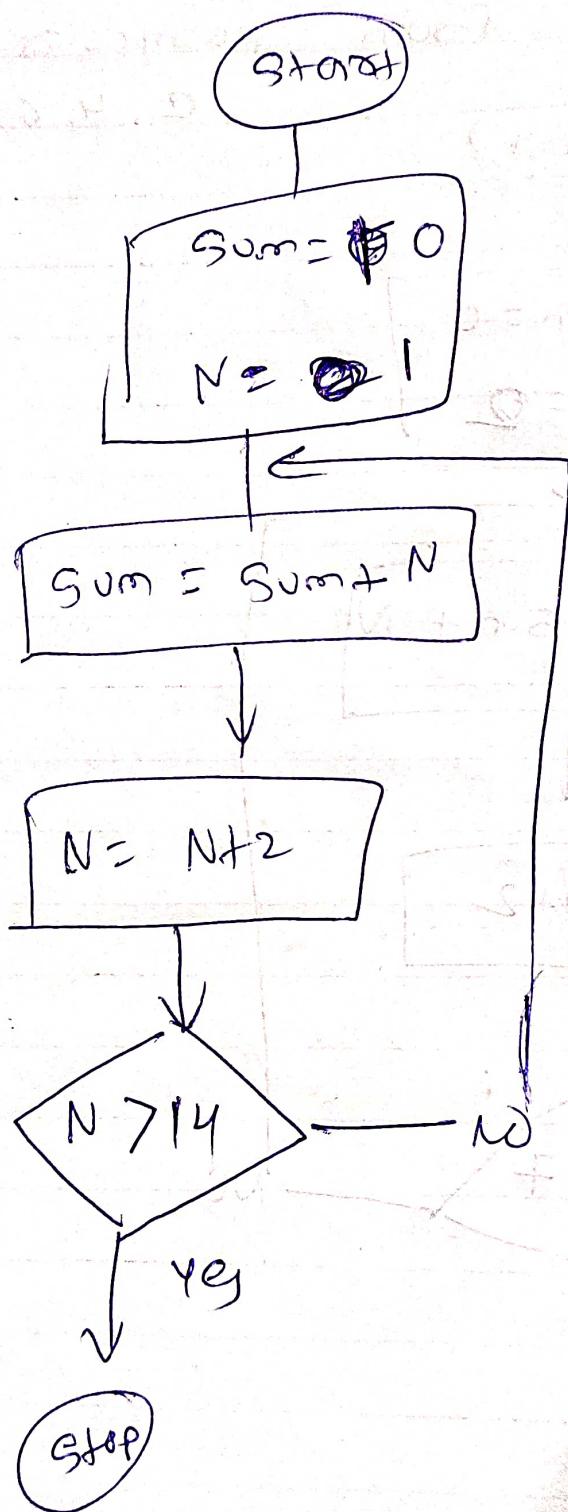
Point

Q19. Even numbers from particular Range

2, 4, 6, 8 -- 16, --



Q2) Point odd numbers series form particular
series ex. 1, 3, 5, 7, 9 — 15.



Q18) Point all the prime factors of the given number

