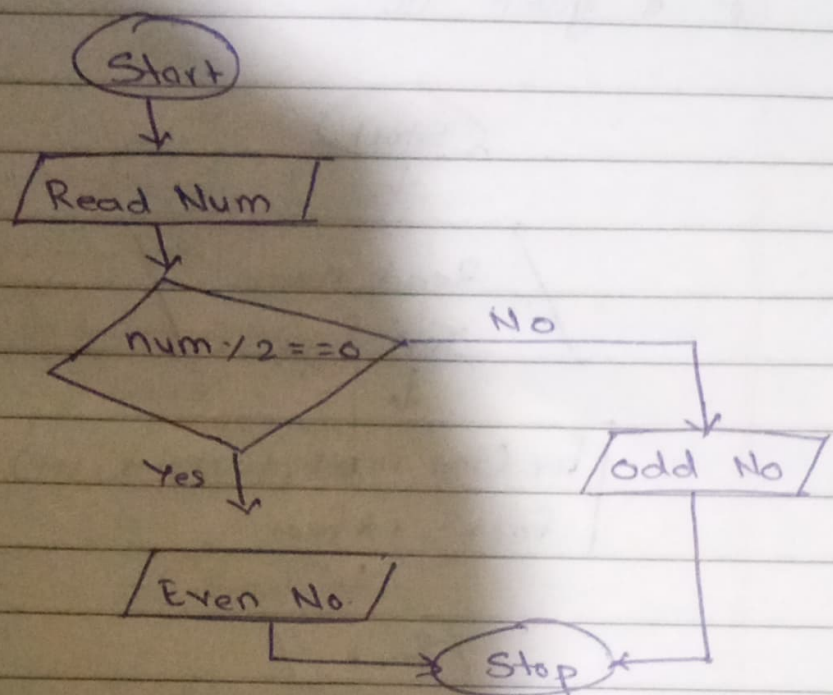


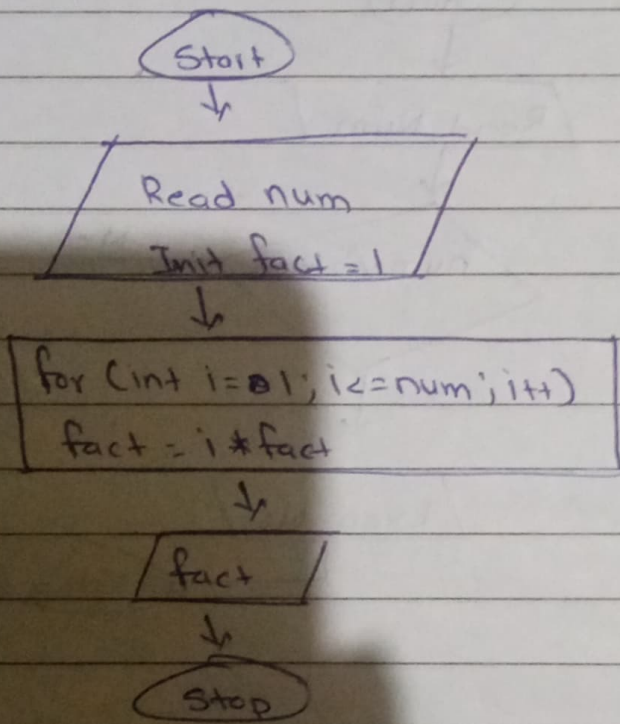
1) Check Alg if given no. is Even or Odd.



Algo

- ① Take Input from user store in a variable num
- ② Check if the no. satisfy the condition  $num \times 2 == 0$ .
- ③ If cond. satisfy Even No. or else no. is odd.

② Write a java program to find factorial of a given no.

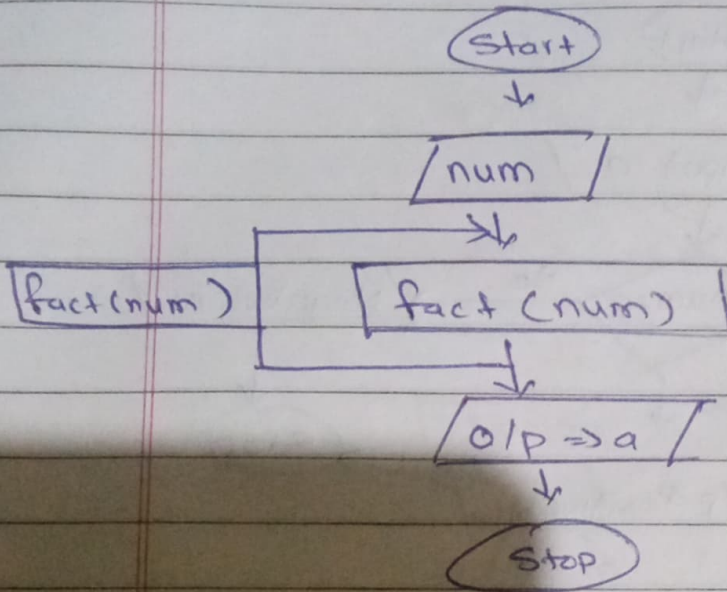


Algo

- Take input from user, store it in variable num. & init. fact = 1
- Iterate for loop & multiply fact with i
- Print fact.



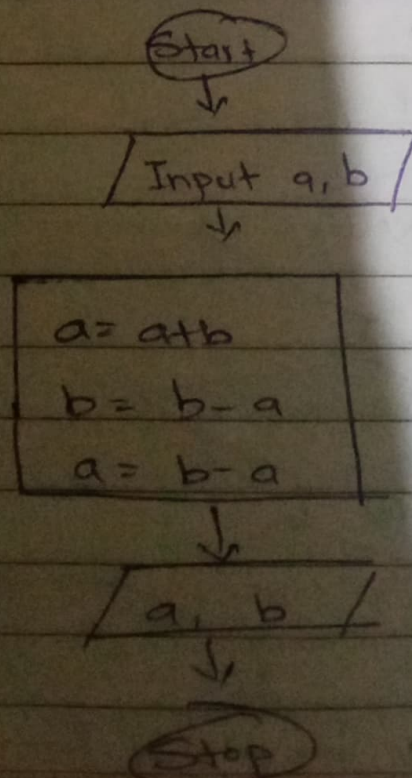
③ Find fact of a no. using recursion



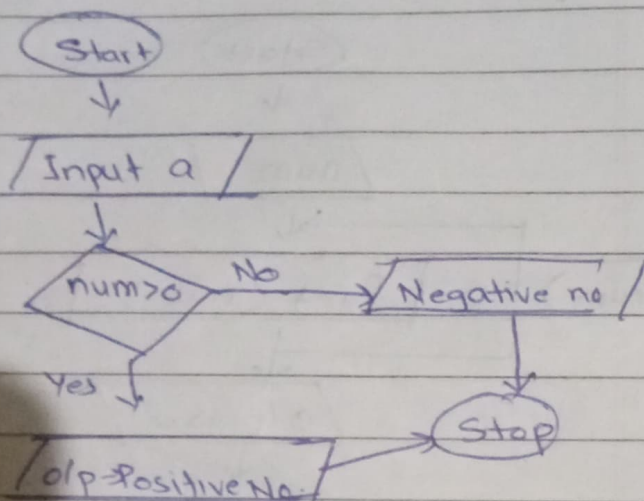
Algo : Take ~~user~~ input from user & store in var num

- 2) call recursive fn
- 3) ~~Return a~~ & print a.

④) Swap two nos without using 3rd variable



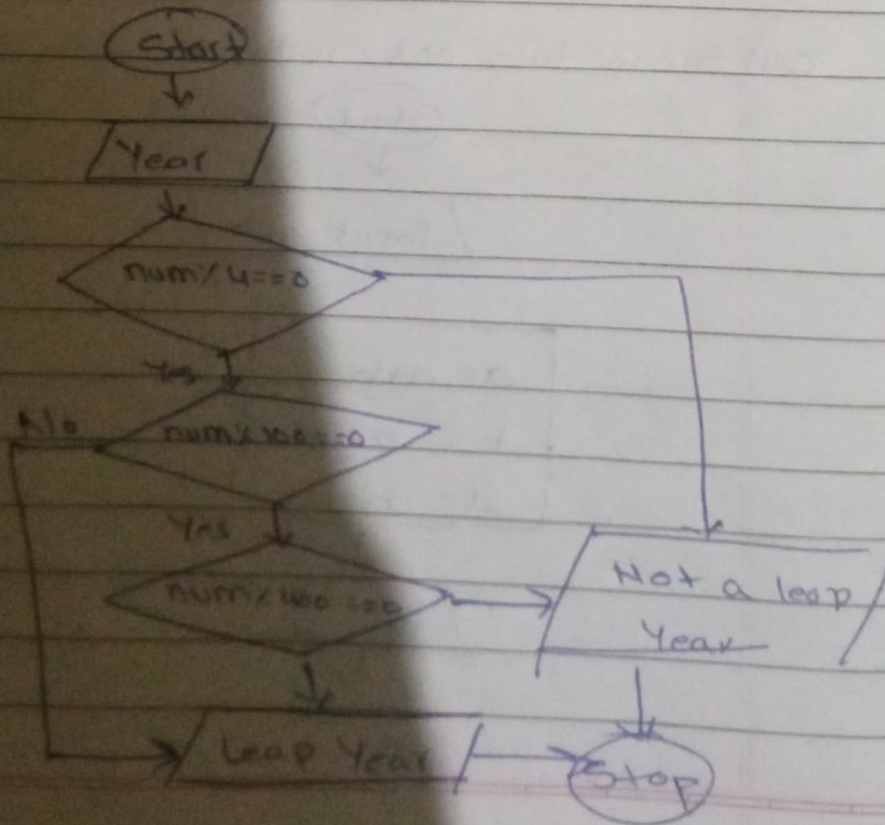
⑤ +ve or -ve in Java



Algo:

- 1) Take I/p a.
- 2) Check whether greater than 0.
- 3) If yes +ve no. or else -ve no.

6) Leap Year



6) A

1) In

2) J

3) g

4) Y

5) L

6) M

7) N

8) O

9) P

10) Q

11) R

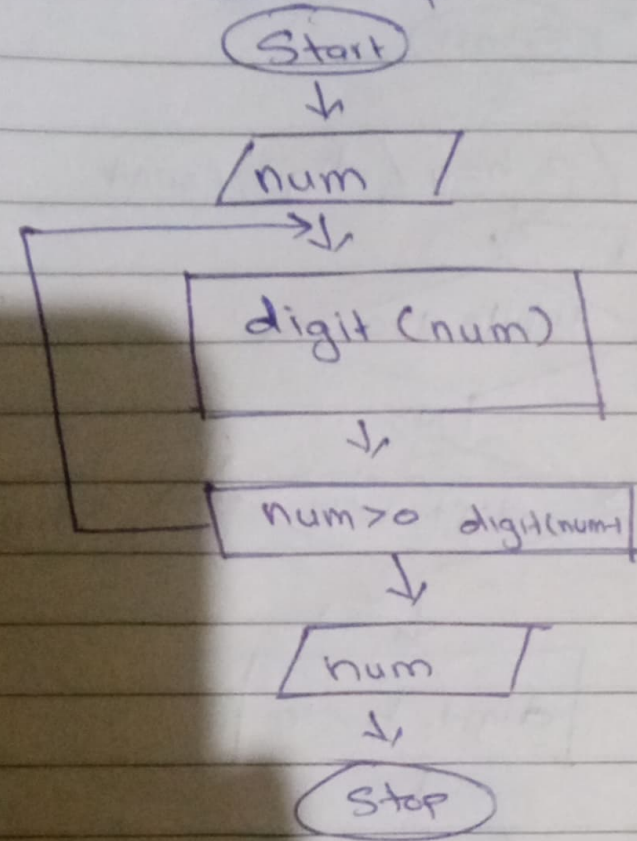
12) S

13) T

14) U



7. 1-10 without loop

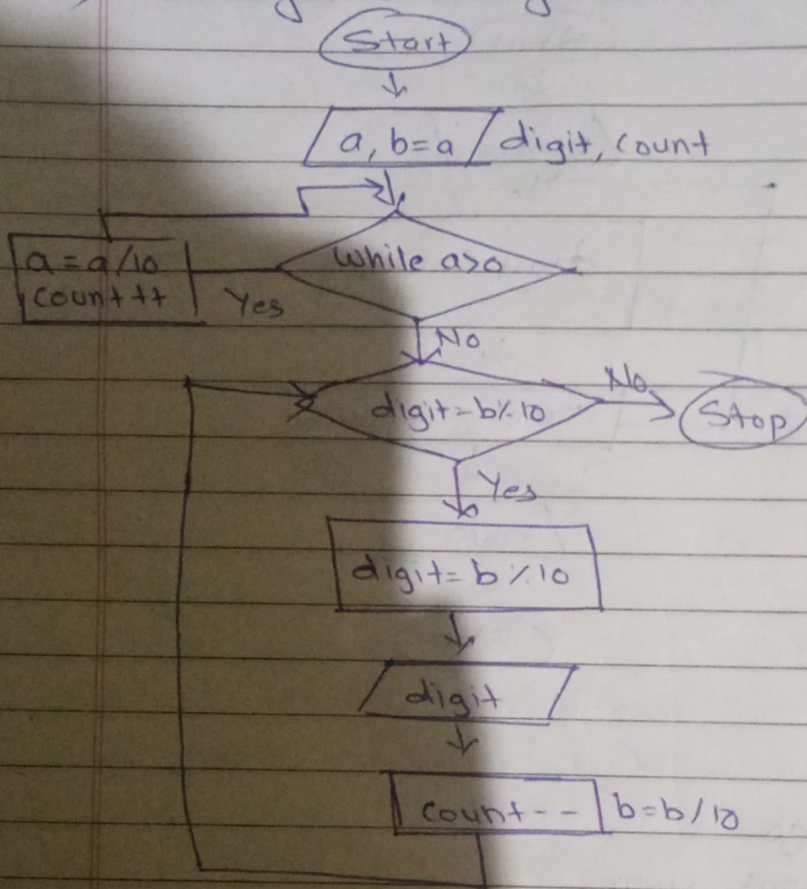


6 ⇒ Algo

- 1) Input year
- 2) If  $\text{year} \% 4 \neq 0$ , Go to Step 3 or  
go to Step 6
- 3) If  $\text{year} \% 100 \neq 0$  Go to Step 4 or  
Step 5
- 4) ~~Year is a leap year~~ If  $\text{yr} \% 400 \neq 0$   
go to step 5 or step 6
- 5) Leap Year
- 6) Non-Leap Year.

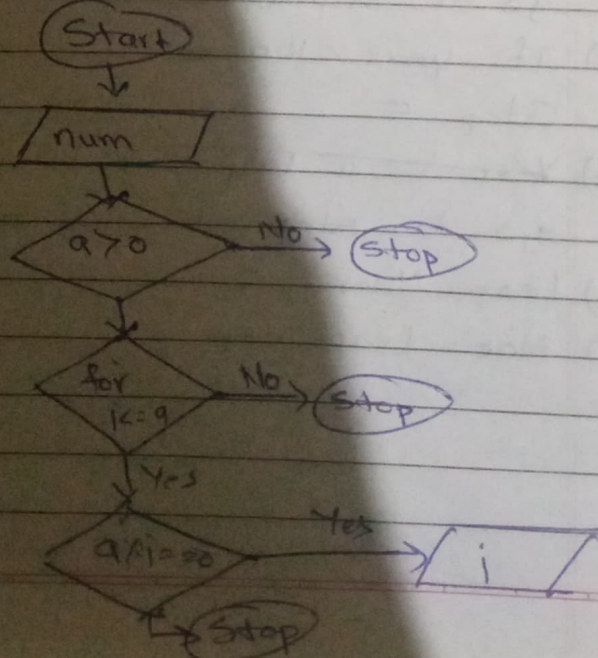
8) Print digits of a given no.

10) Sum of



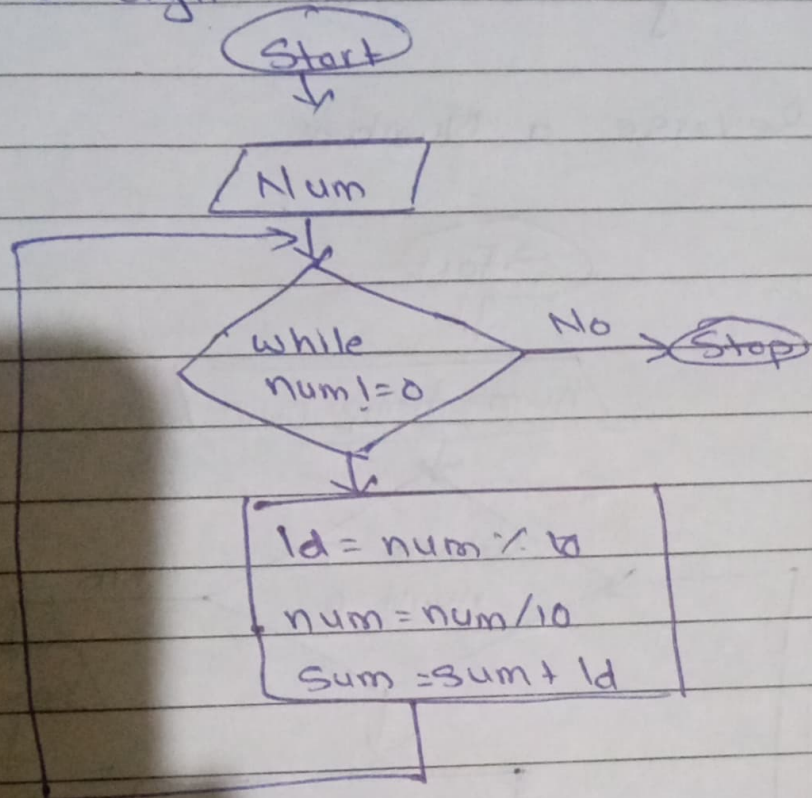
11) Smallest

9) Print all factors

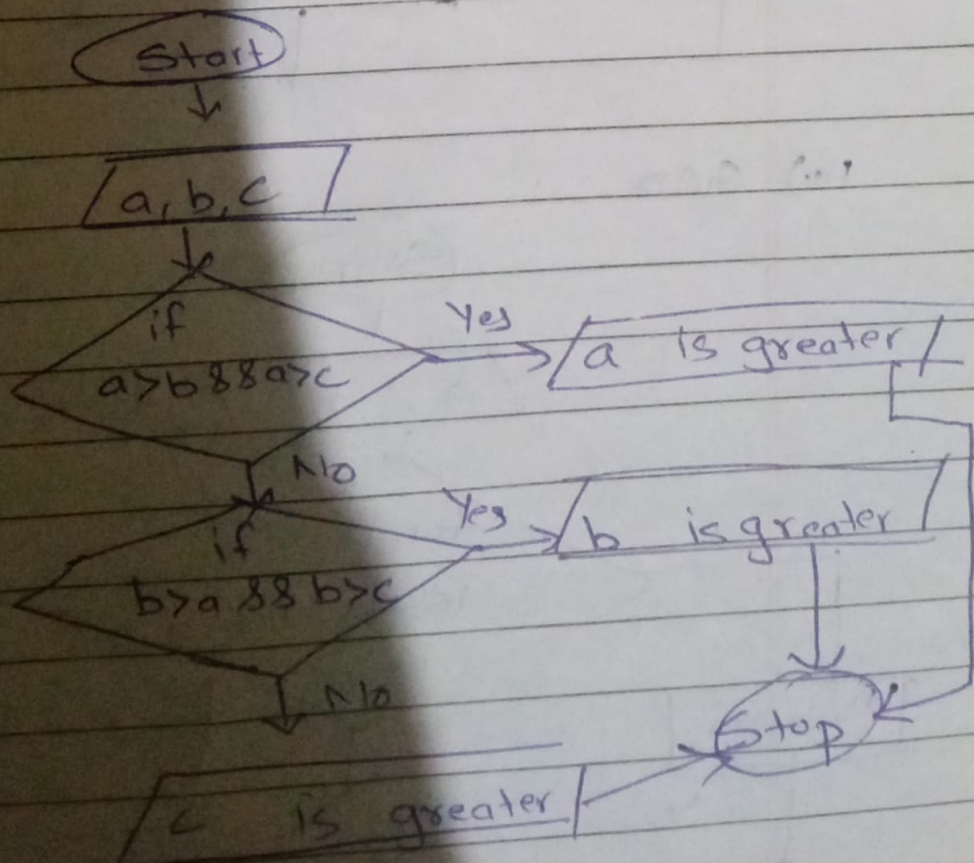




10) Sum of digit

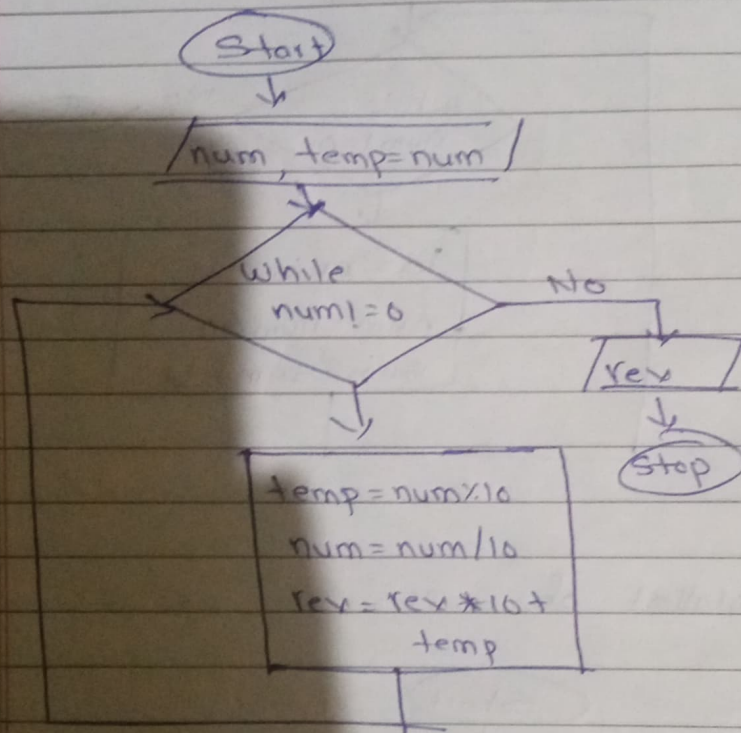


11) Smallest of 3 no.s -

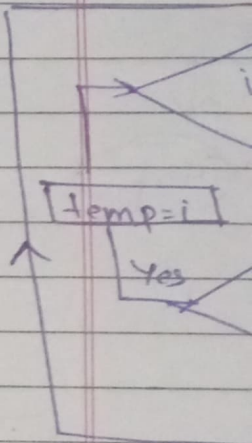


12) Using sum function

16) Reverse a Number

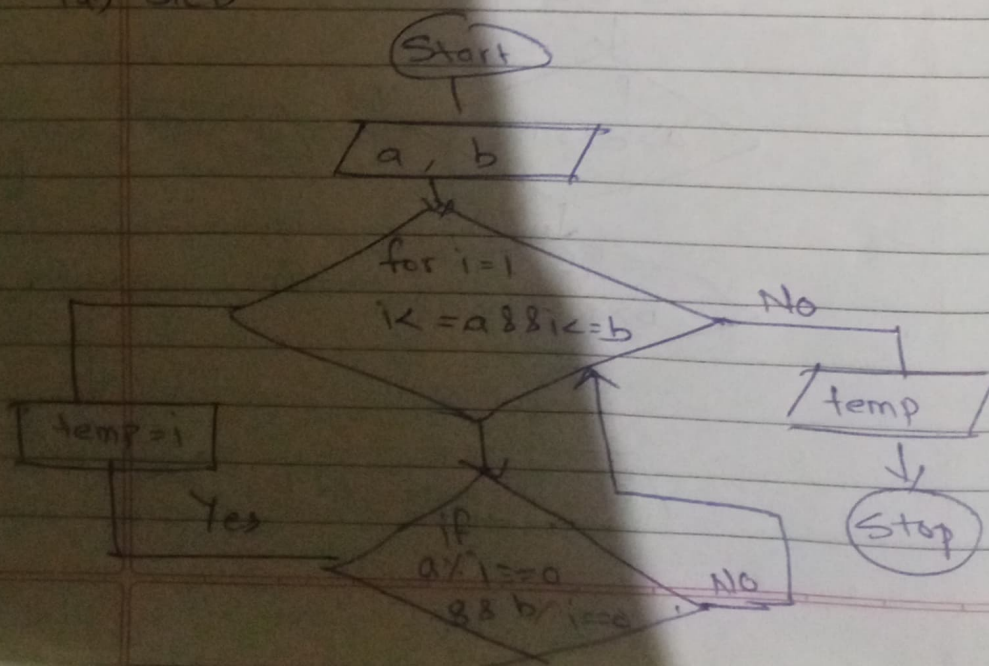


15) LCM



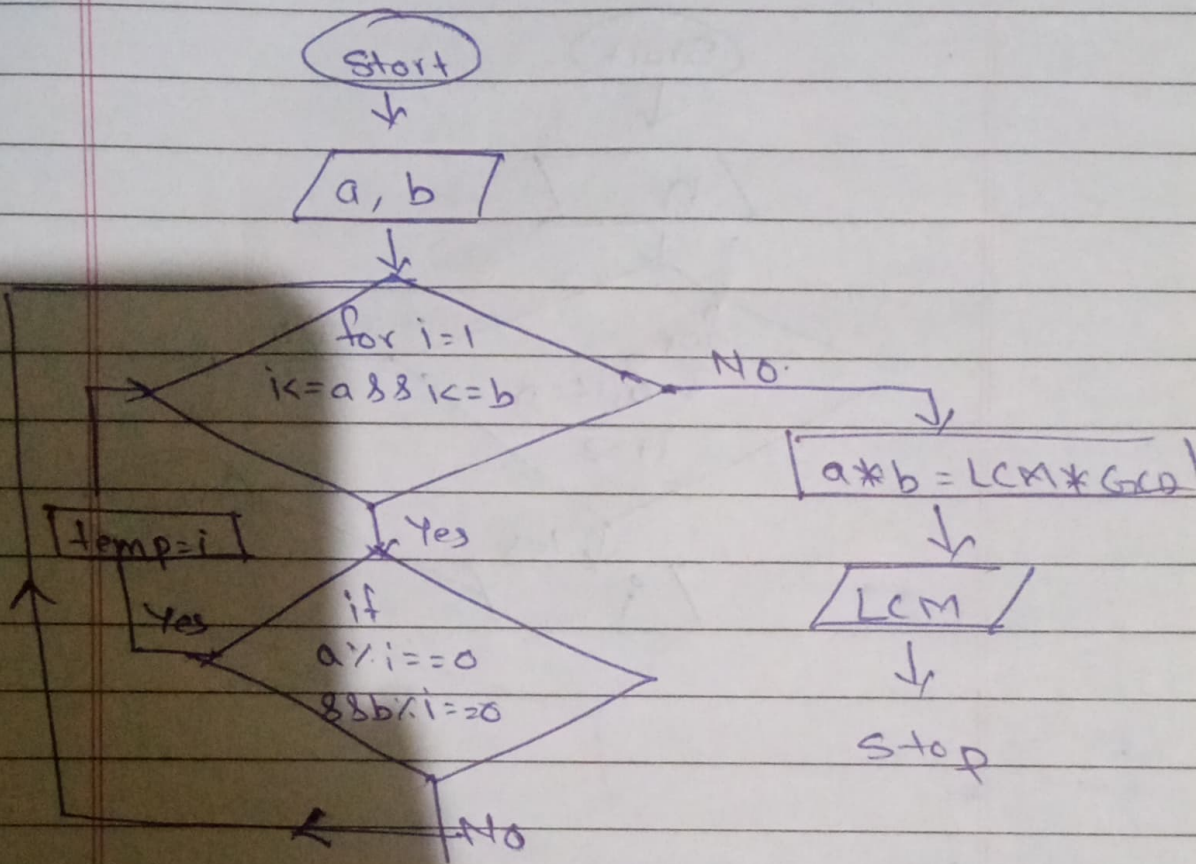
17) Pallindrome

14) GCD

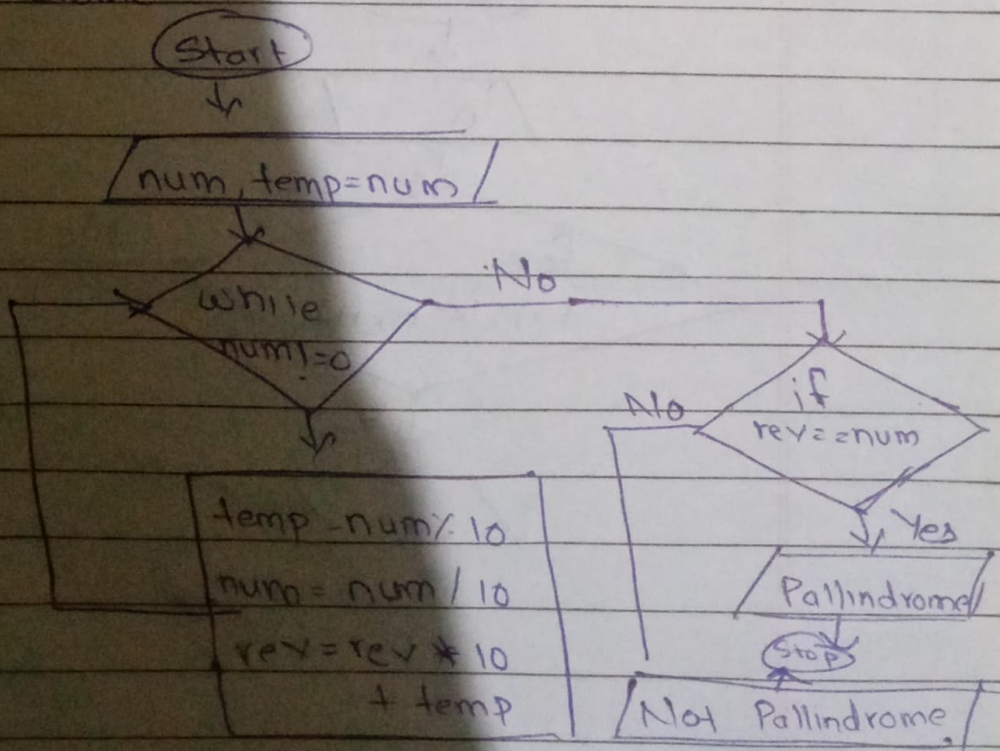




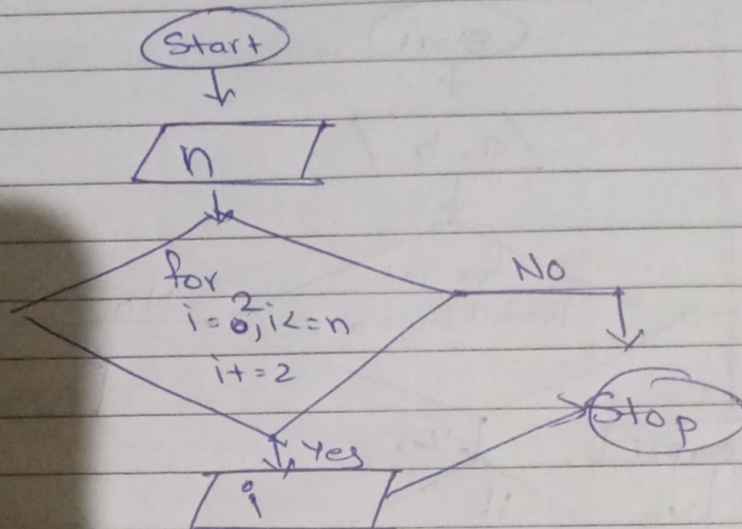
15) LCM of 2 given no's



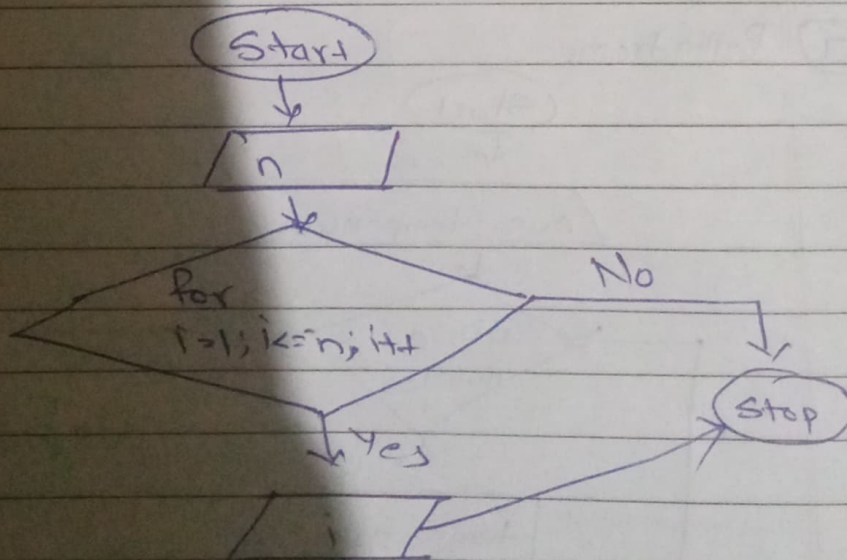
17) Pallindrome



19) Even No. Series.



20) Odd no Series.





# 18) Prime Factors

