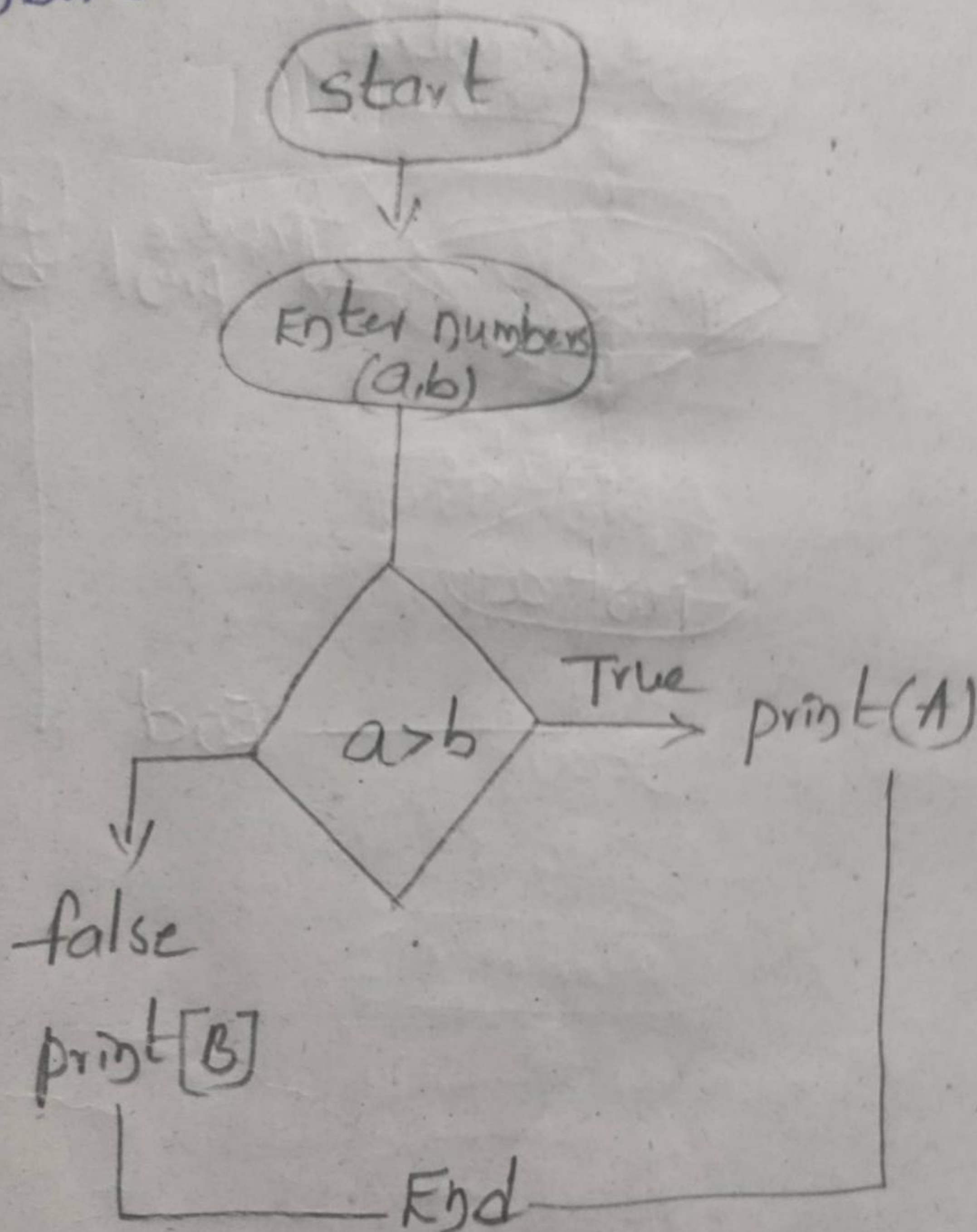


⇒ ASSIGNMENTS

09-08-2024

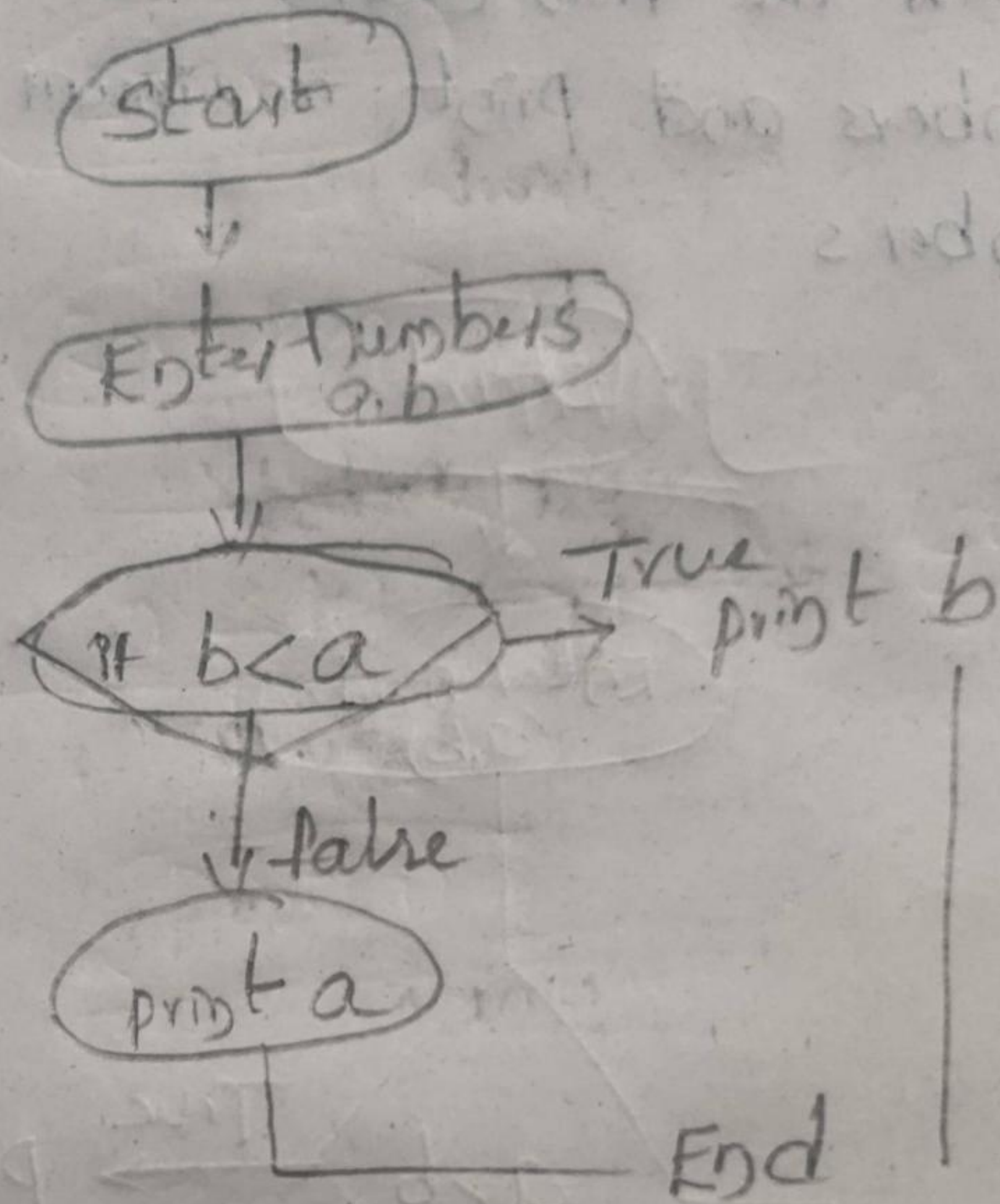
1) Draw the flow chart that checks two numbers and prints maximum of two numbers



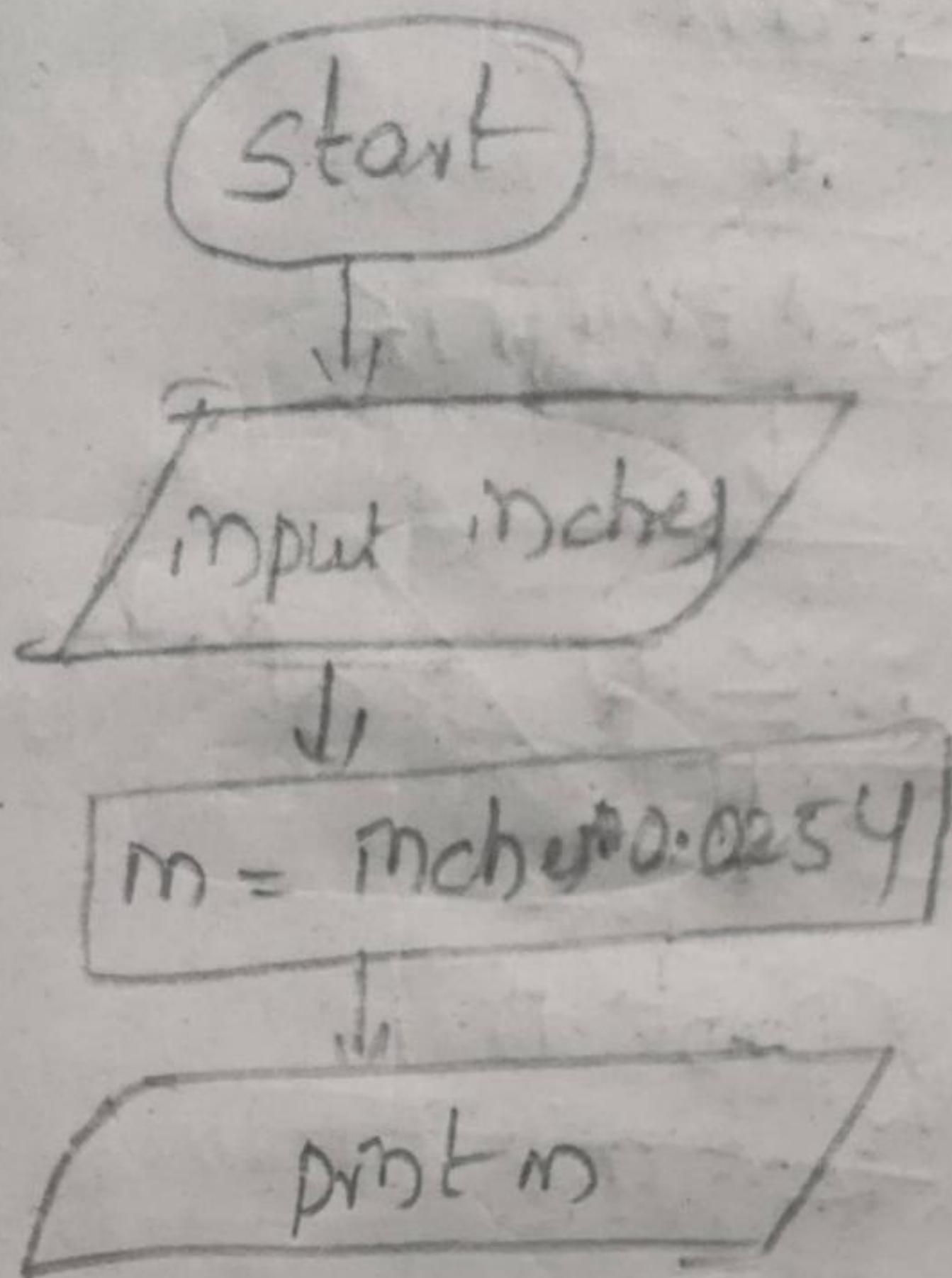
J. Venkata Sai

Jampala Venkatasai 99@gmail.com

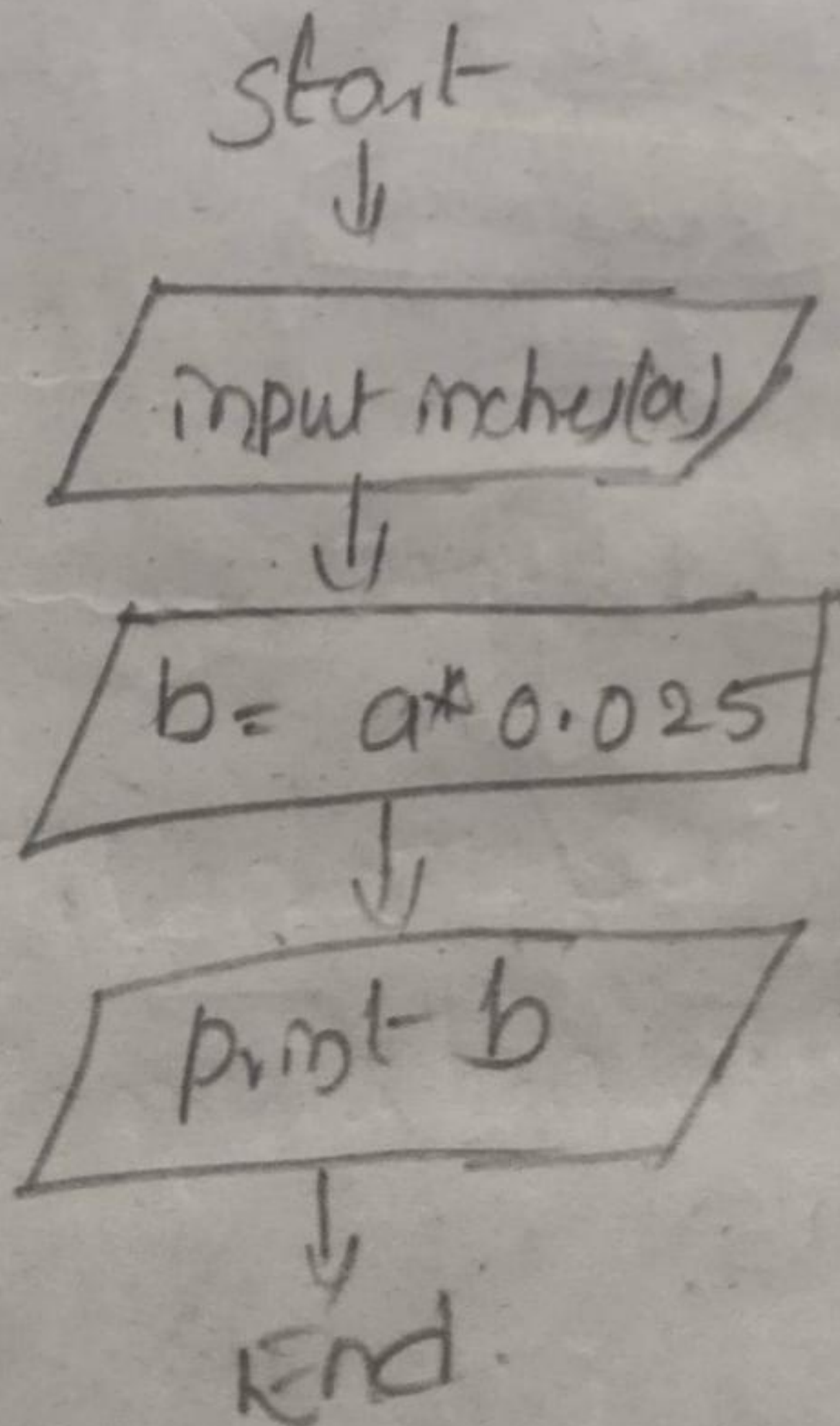
Draw the flow chart that checks two numbers and print minimum of two numbers.



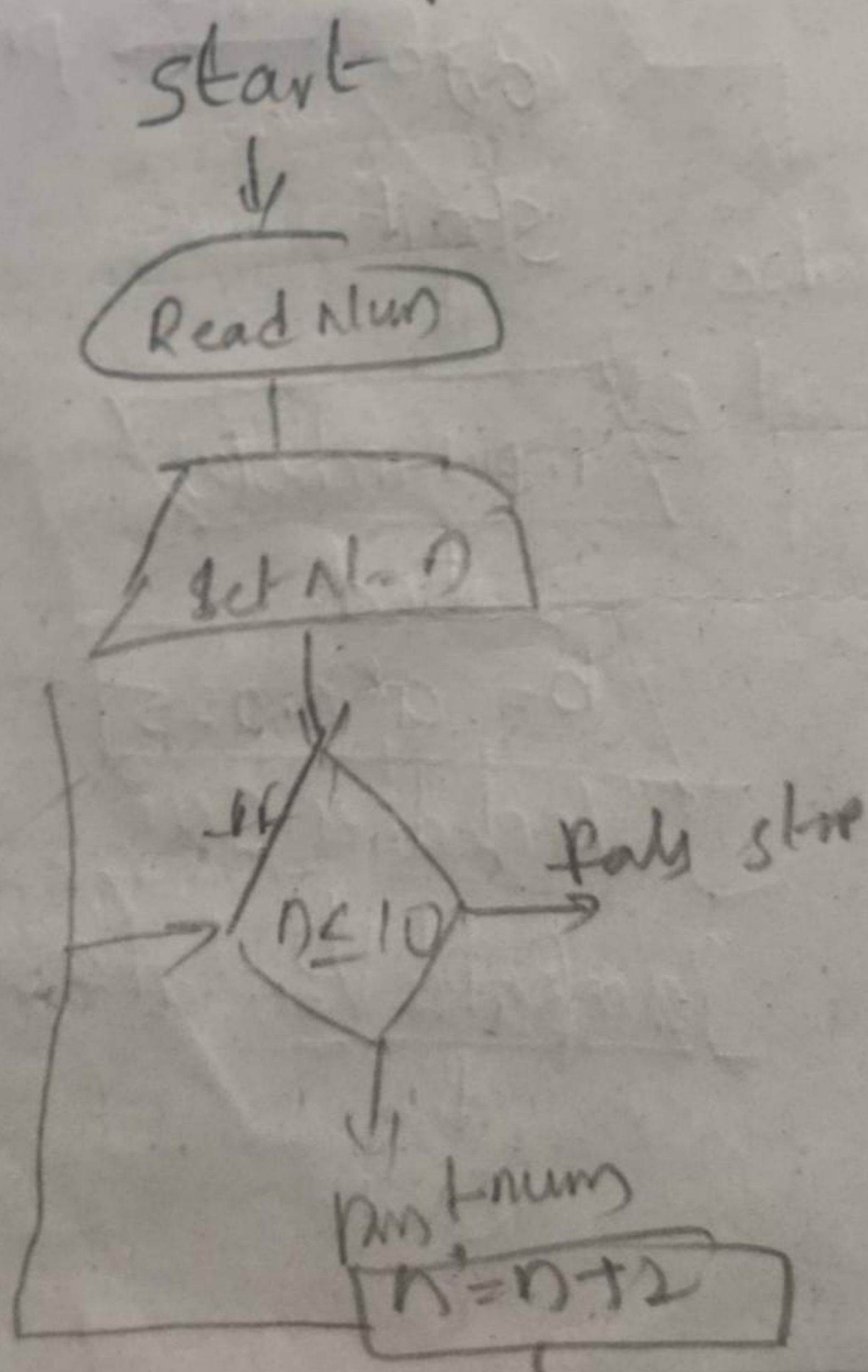
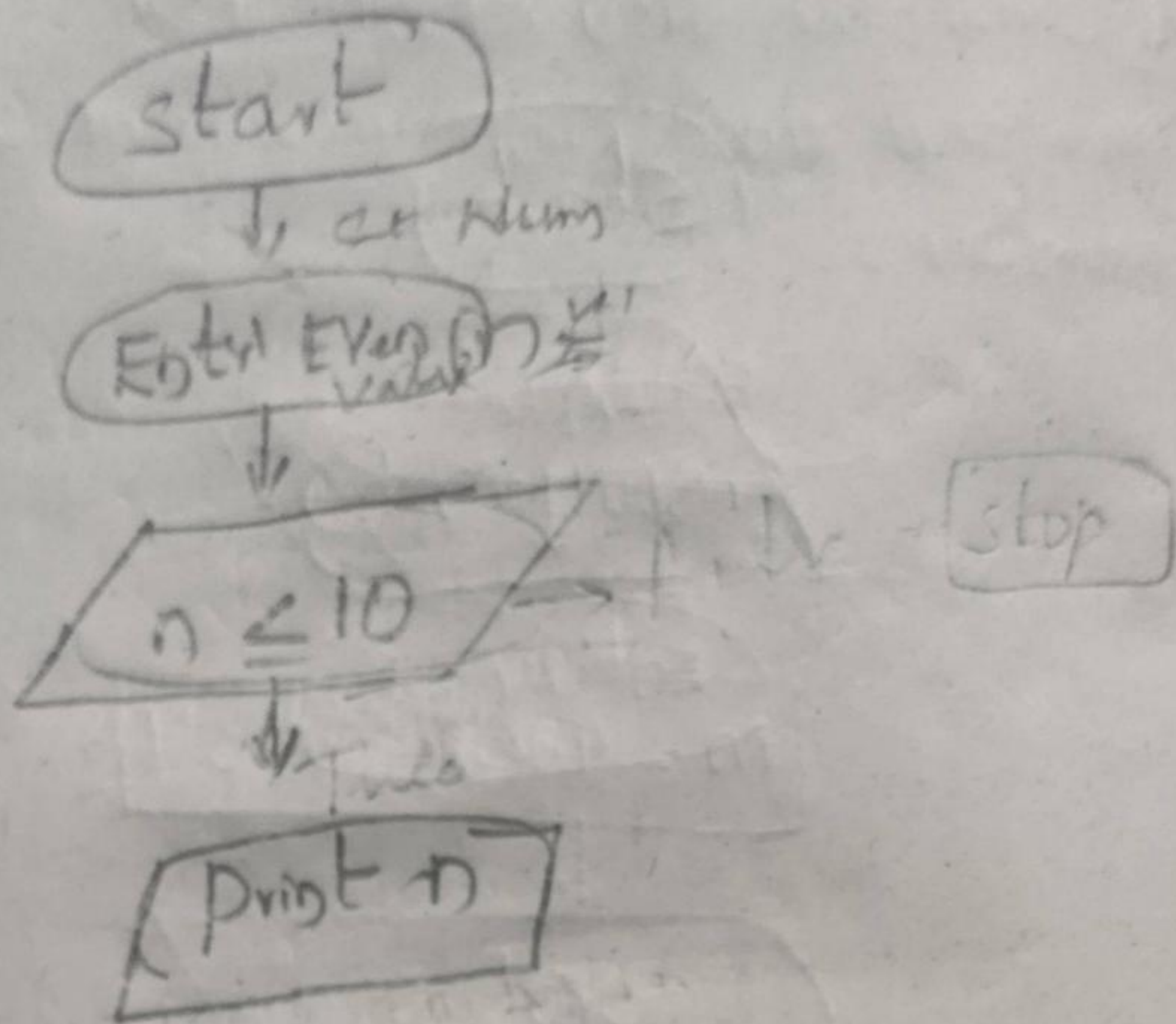
Draw the flowchart that reads a number m inches and convert it to meters.



(or)



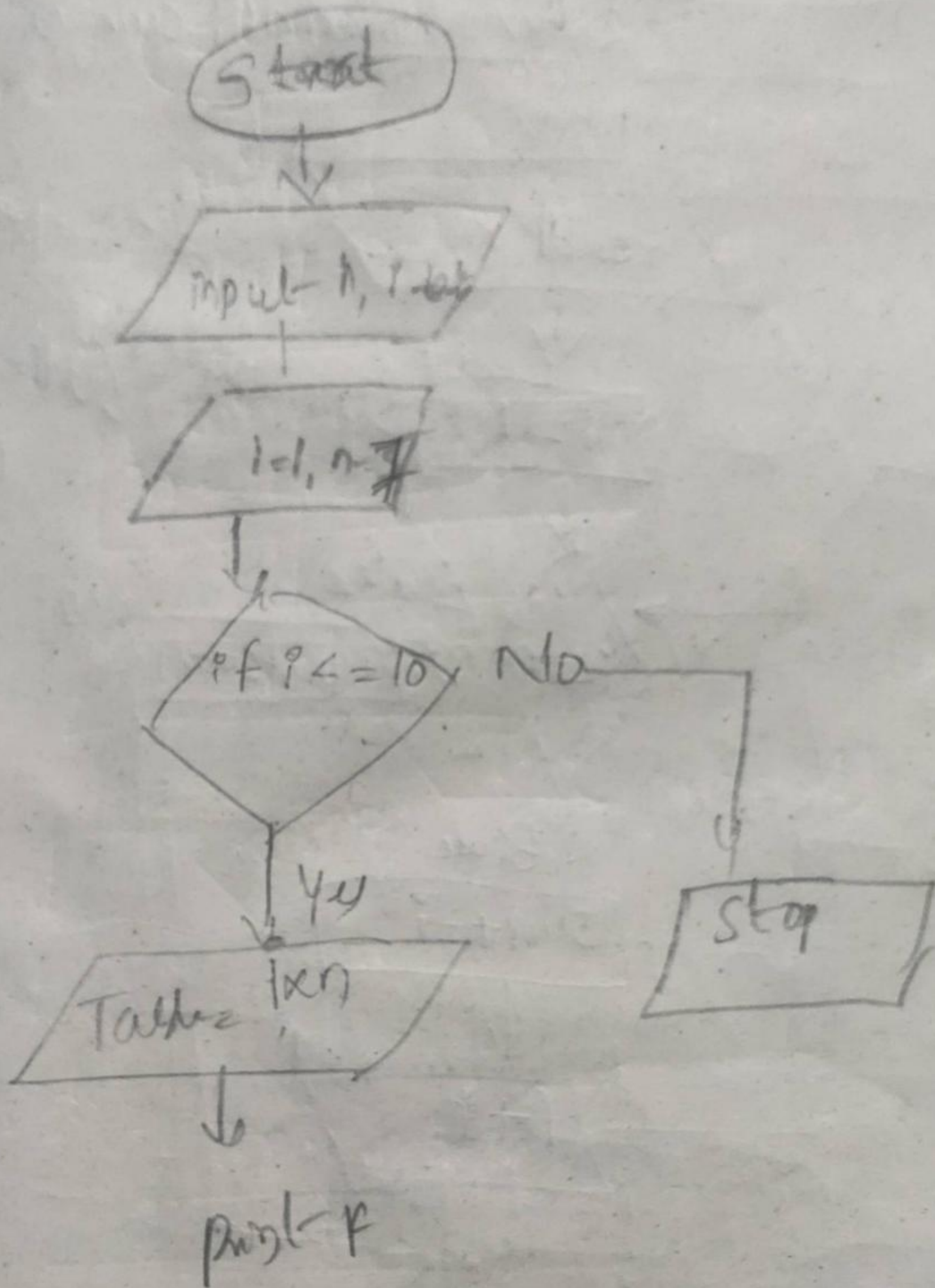
Draw the flow chart to print even values
2, 4, 6, 8, 10



ASSIGNMENT

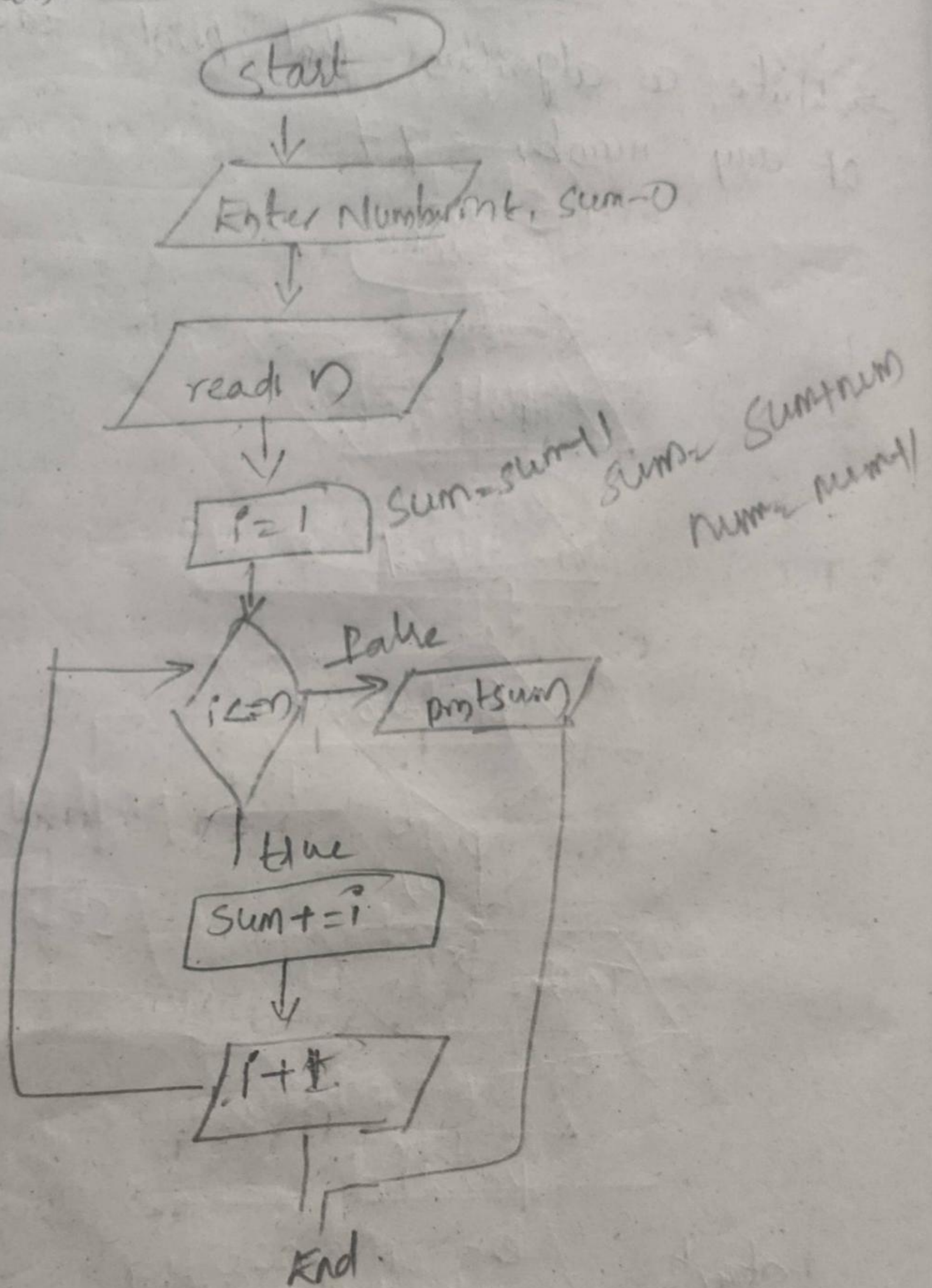
10-02-2022

⇒ Write an algorithm that print table of any number e.g 7



Start
Initialize the value of i, and n
Initialize the value i=1, n=7
Set $P \leq 10$ IF NO stop
IF Yes calculate $i * n$ and go to
Second step

Write an algorithm that prints sum of N numbers.



Initialize n and i value
 read n, take i=1
 the condition $i \leq n$
 if false print sum
 otherwise $sum += i$ $i++$ End.

Write algorithm that to check if a number is prime.

Start

Step-I start-

Step-II :- Read value n

Step-III :- $i = 1$, Count = 0

Step-IV :- If $i \leq n$ if true go to Set 5
go to step 8

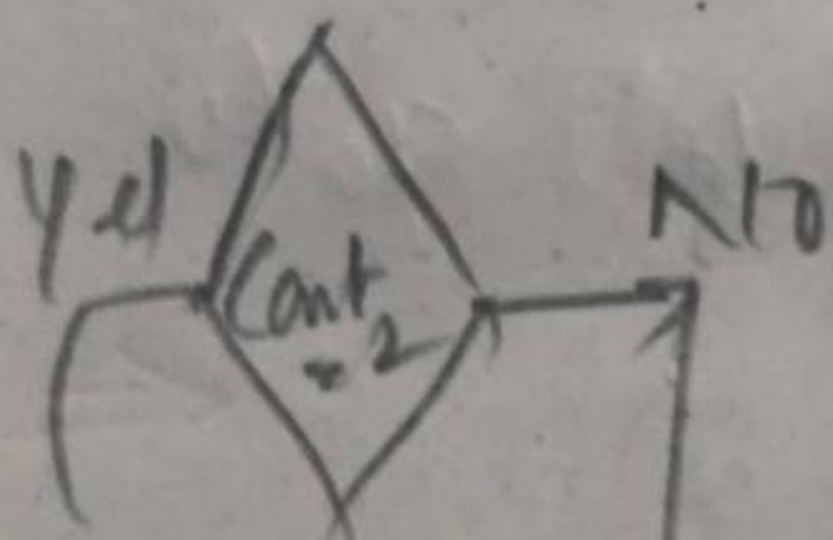
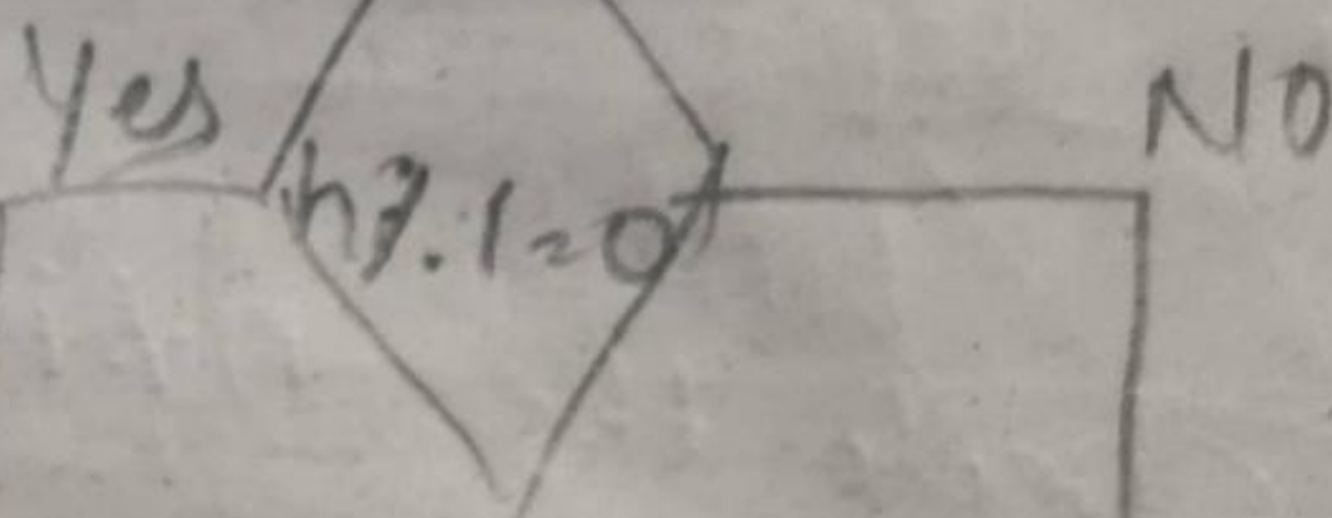
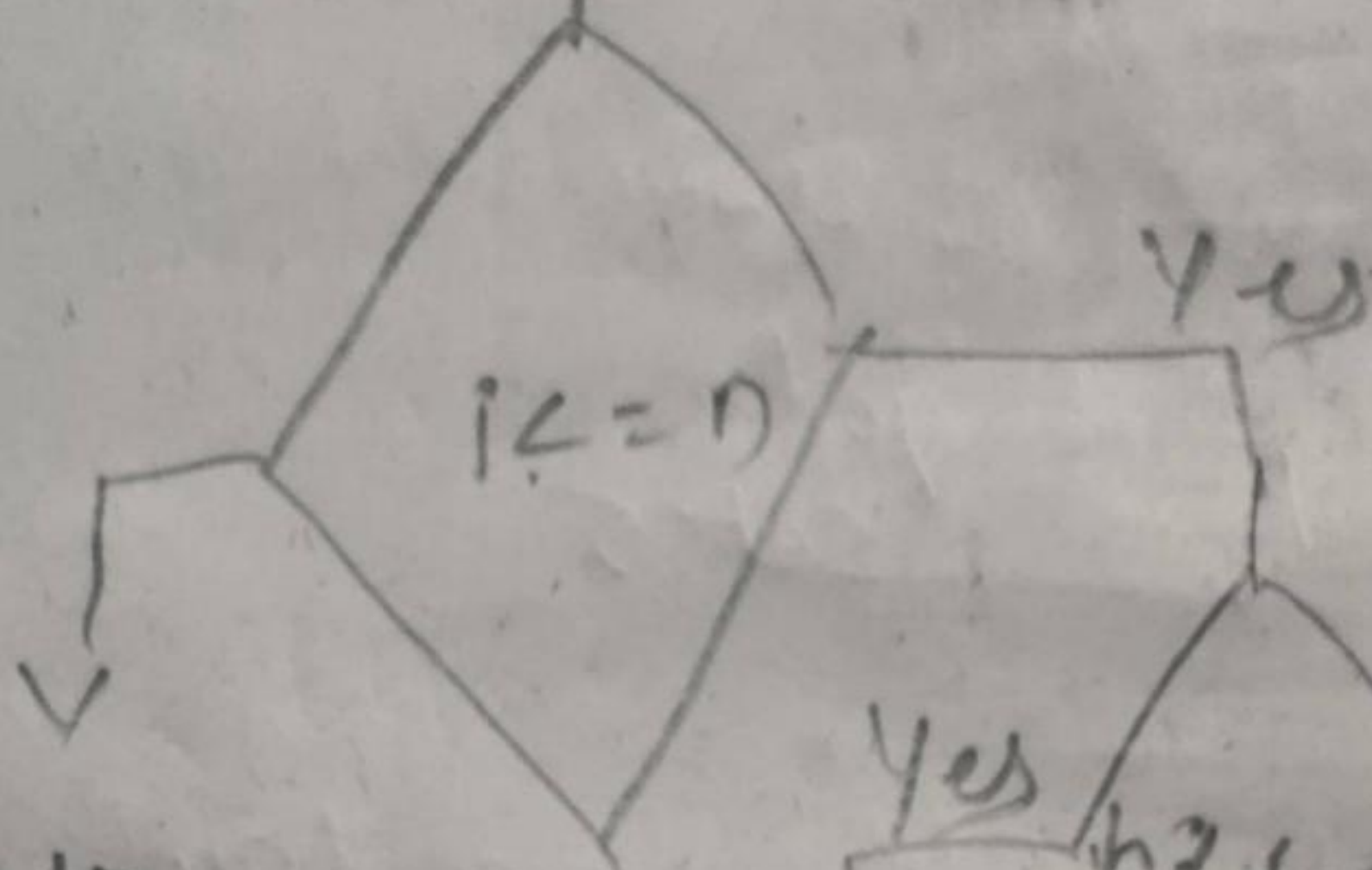
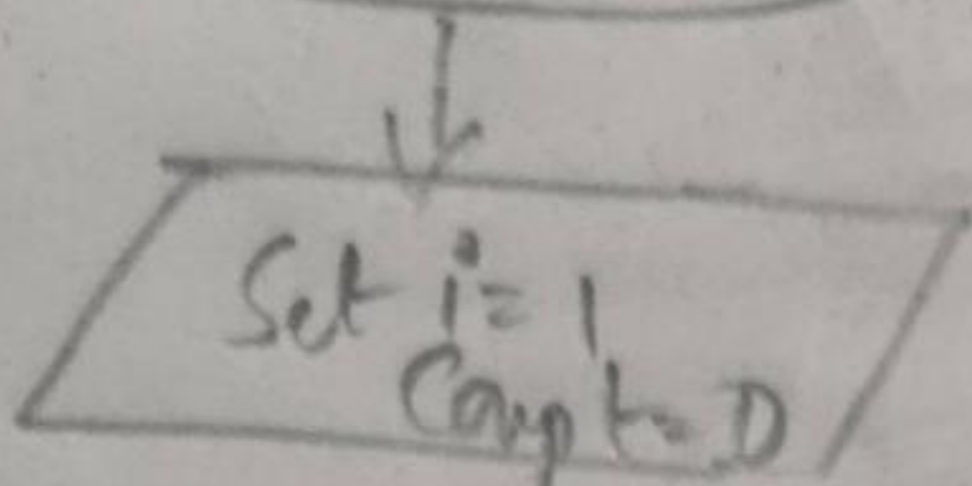
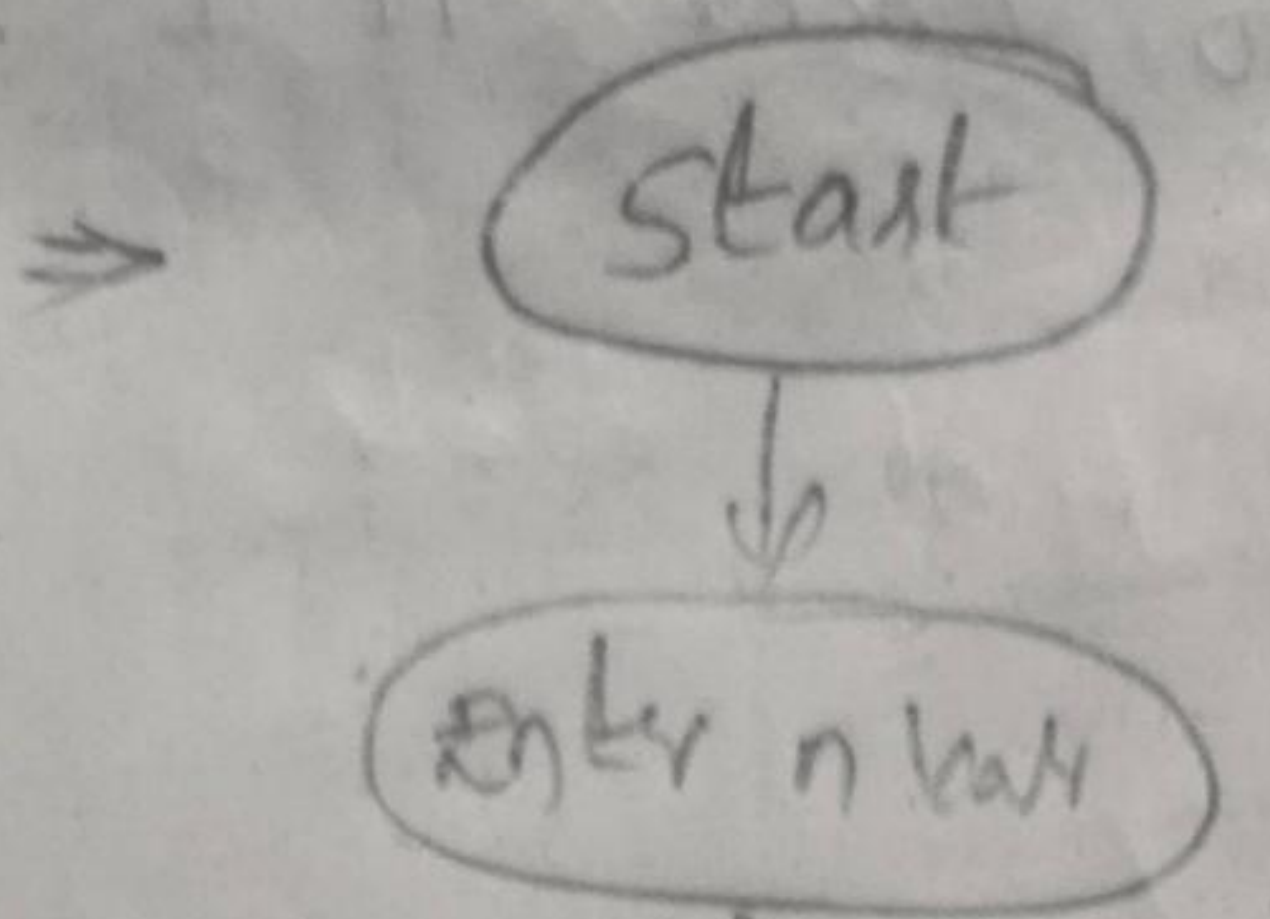
Step-V :- Check the $n \div i = 0$ if true
then go to step VI, false go to
Step VII

Step-VI :- Set Count = Count + 1

Step-VII :- $i = i + 1$ go to step

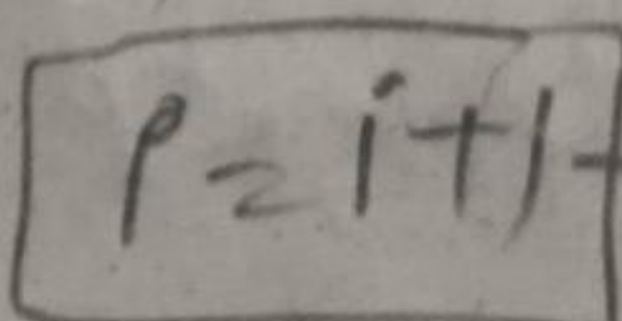
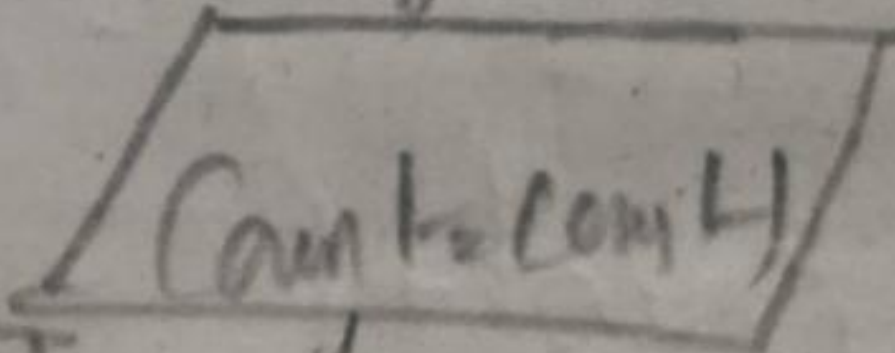
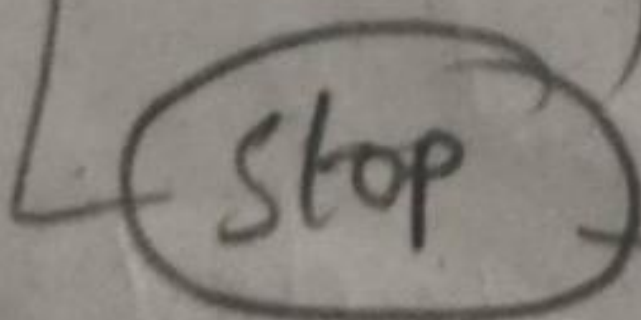
Step-VIII :- Check Count if Count > 2
display prime if not display
it is not prime

Step-IX :- stop



Disp
nilpam

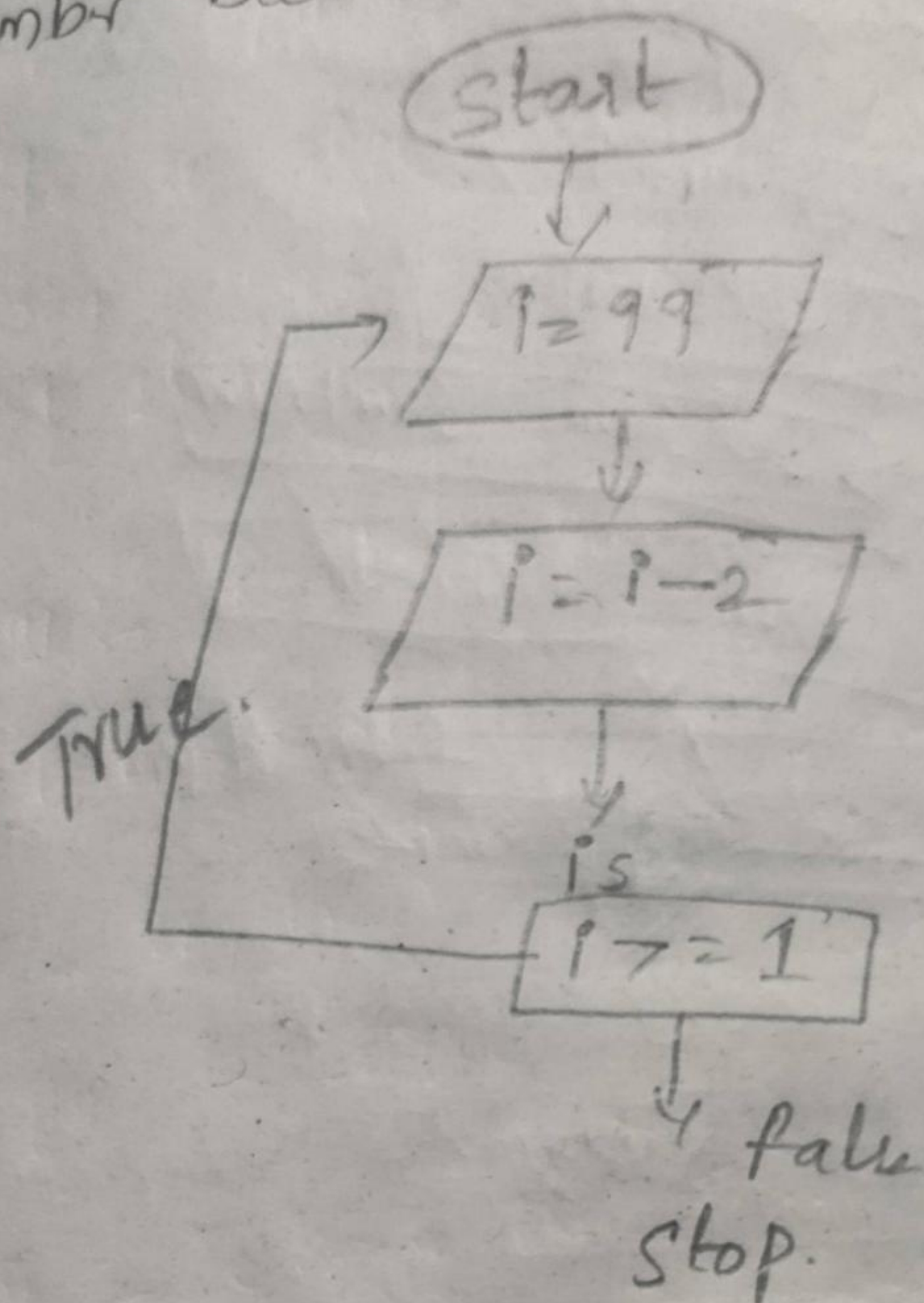
Displu
not p



1. → Remainder

5
5/1
5
5/1
1/1
2

Write algorithm to print all odd
Number backward from 99 to 1



Initialize $i = 99$

set $i = i - 2$

If $i >= 1$ otherwise

$i >= 1$ false [stop]

printer

start

↓

Set num $i=1$

↓

$n = n \times i$

↓ Print n value.

Set mult $= n \times 2$

↓

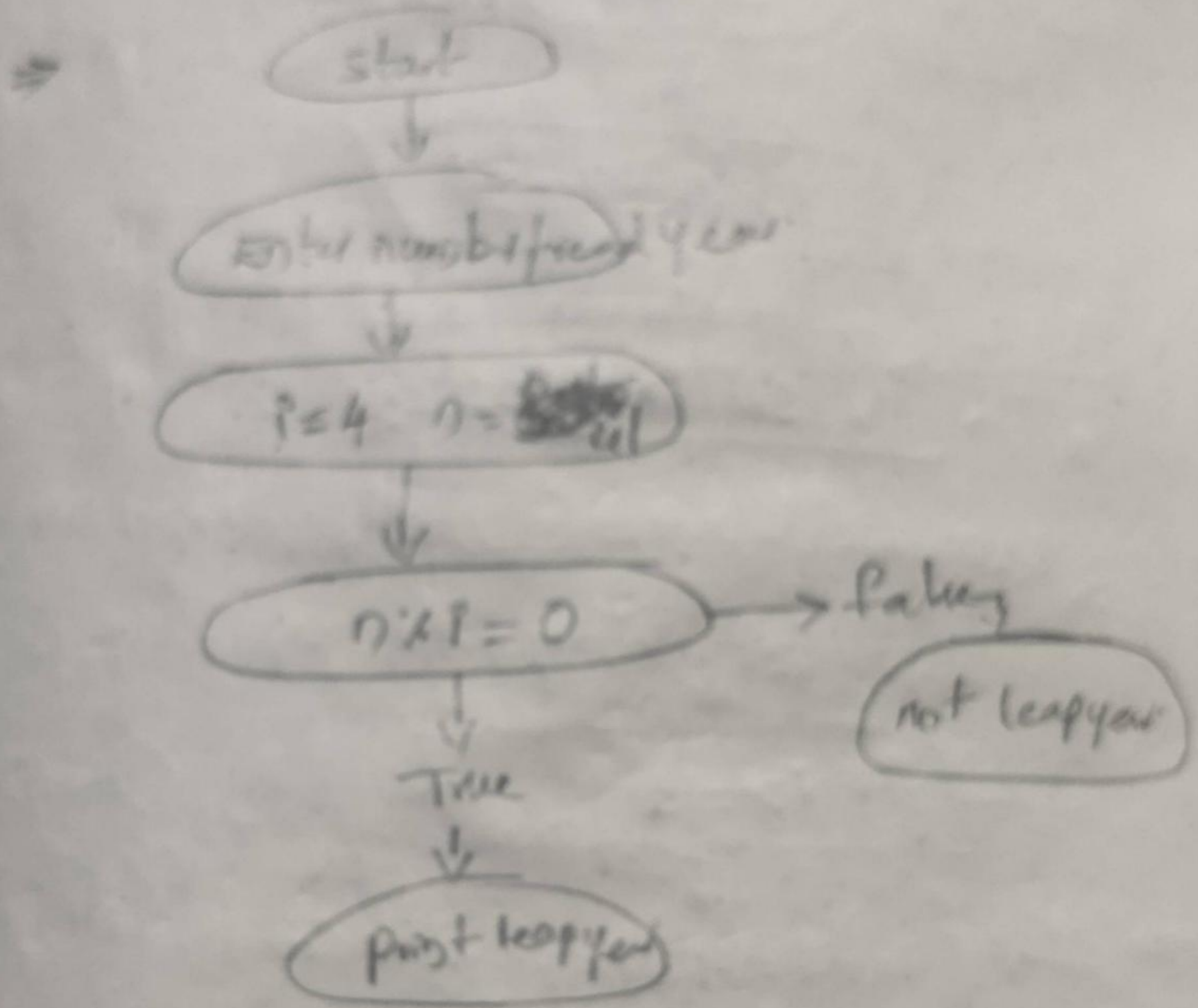
$n \leq 5$

→ Print odd

↓
True

12/10/2022 Start

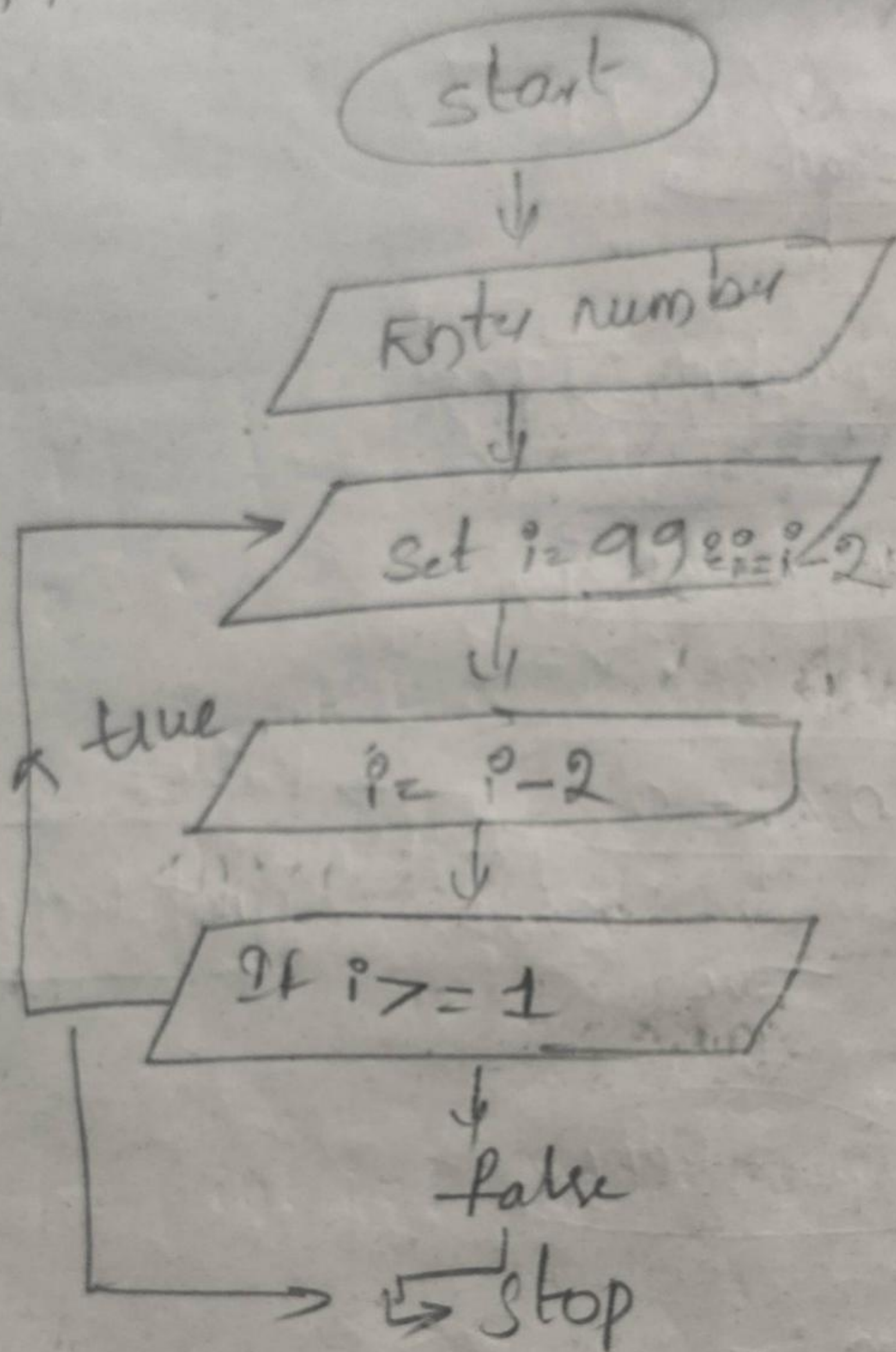
check if a year is leap year
(or) not



→ Algorithm :-

→ Initialize the leap year
Set $i = 4$ and $n = \text{upper limit}$
If $n \% i = 0$ then leap year
else not leap year
print leap year.

② Write algorithm to print all odd number backward from 99 to 1



Initialize the number

Set $i = 99$ & $i = i - 2$

then If $i \geq 1$ then go to steps

else stop

Q3) Java program to calculate distance between two points

package point;

class Point {

int x, y;

Point (int x, int y) {

this.x = x;

this.y = y;

}

public void distance (Point o1, Point o2) {

double power of x = Math.pow((o2.x - o1.x), 2);

double power of y = Math.pow((o2.y - o1.y), 2);

double result = Math.sqrt(power of x + power of y);

System.out.println("The distance between the two

points is" + result);

④ write algorithm to print sum of even and odd digits considering 10 number are taken from user.

1 2 3 4 5, 6, 7, 8, 9, 10

1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9

```
ArrayList<Integer> a1 = new ArrayList<>();  
ArrayList<Integer> a2 = new ArrayList<>();
```

0 0
a1, a2

```
⇒ for (int i = 0; i < a.length; i++)
```

```
    {  
        if (a[i] % 2 == 0)
```

```
        {  
            a1.add(a[i]);
```

```
        }  
        else  
        {  
            a2.add(a[i]);
```


for (int na ali)

{ system.out.print(no);

}

sop (odd no. are);

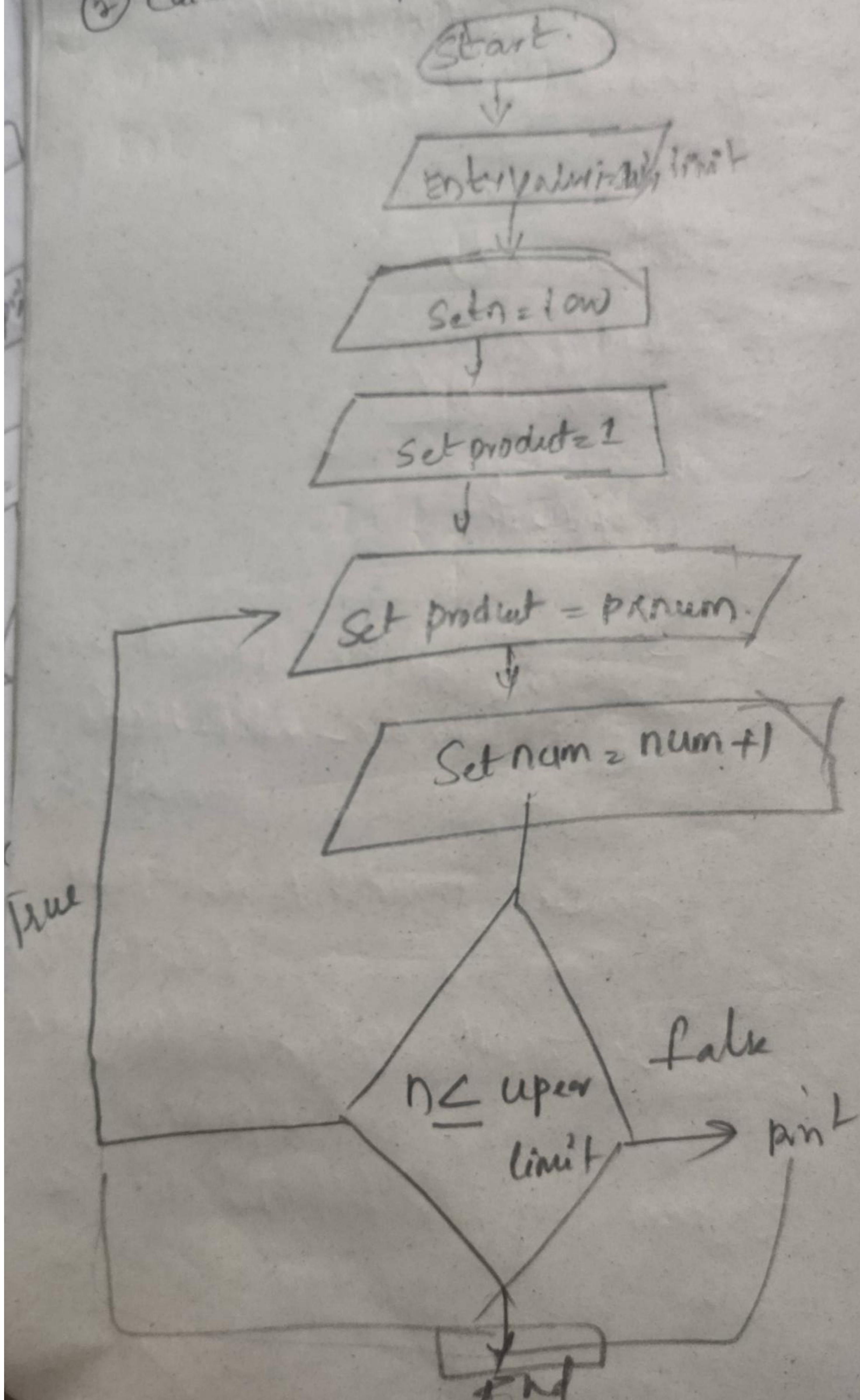
int no (a12)

{

sop no;

}

② Calculate product of digits of number



⑦ Write algorithm to find Compound interest, provided principle time and RoI are taken by user.

