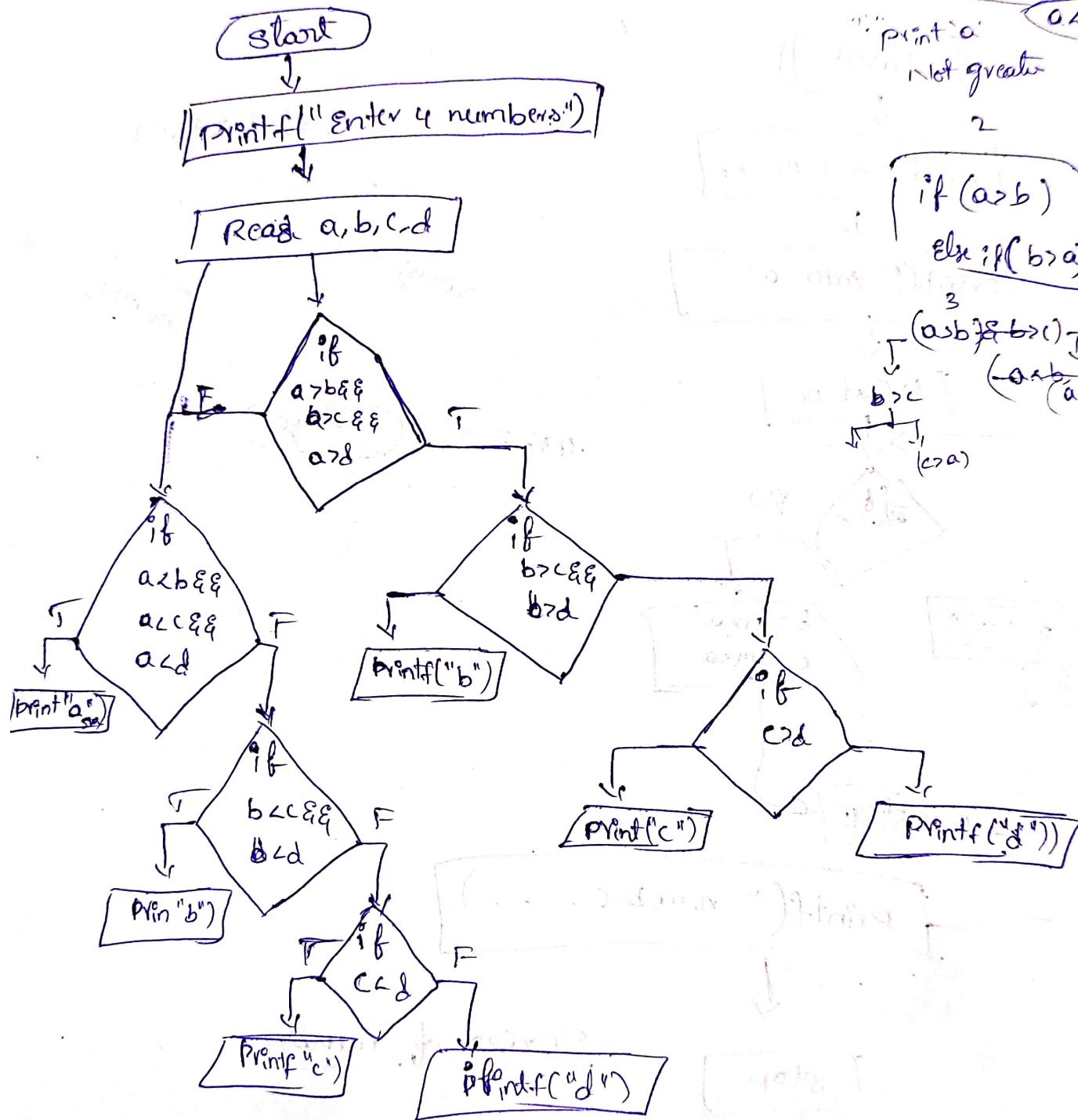


22/1/24

①

Highest & lowest number from user



a>b & a>c

T

a>b; b>c, c>d

F

print a

not greater "small"

2

if (a>b)

else if (b>a)

(a>b)&(b>c)

(a>b)&(a>c)

b>c

(c>a)

b>d

(c>d)

c>d

(b>c)

a>d

(b>d)

a>c

(a>b)

b>a

(a>c)

c>a

(a>b)

a>b

(a>c)

b>a

(a>b)

c>b

(a>c)

d>b

(a>d)

a>d

(a>b)

b>d

(a>b)

c>d

(a>c)

d>c

(a>d)

a>c

(a>b)

b>c

(a>b)

c>b

(a>c)

d>b

(a>d)

a>b

(a>c)

b>a

(a>b)

c>a

(a>c)

d>a

(a>d)

a>d

(a>b)

b>d

(a>b)

c>d

(a>c)

d>b

(a>d)

a>b

(a>c)

b>a

(a>b)

c>a

(a>c)

d>a

(a>d)

a>d

(a>b)

b>d

(a>b)

c>a

(a>c)

d>b

(a>d)

a>b

(a>c)

b>a

(a>b)

c>a

(a>c)

d>b

(a>d)

a>d

(a>b)

b>d

(a>b)

c>a

(a>c)

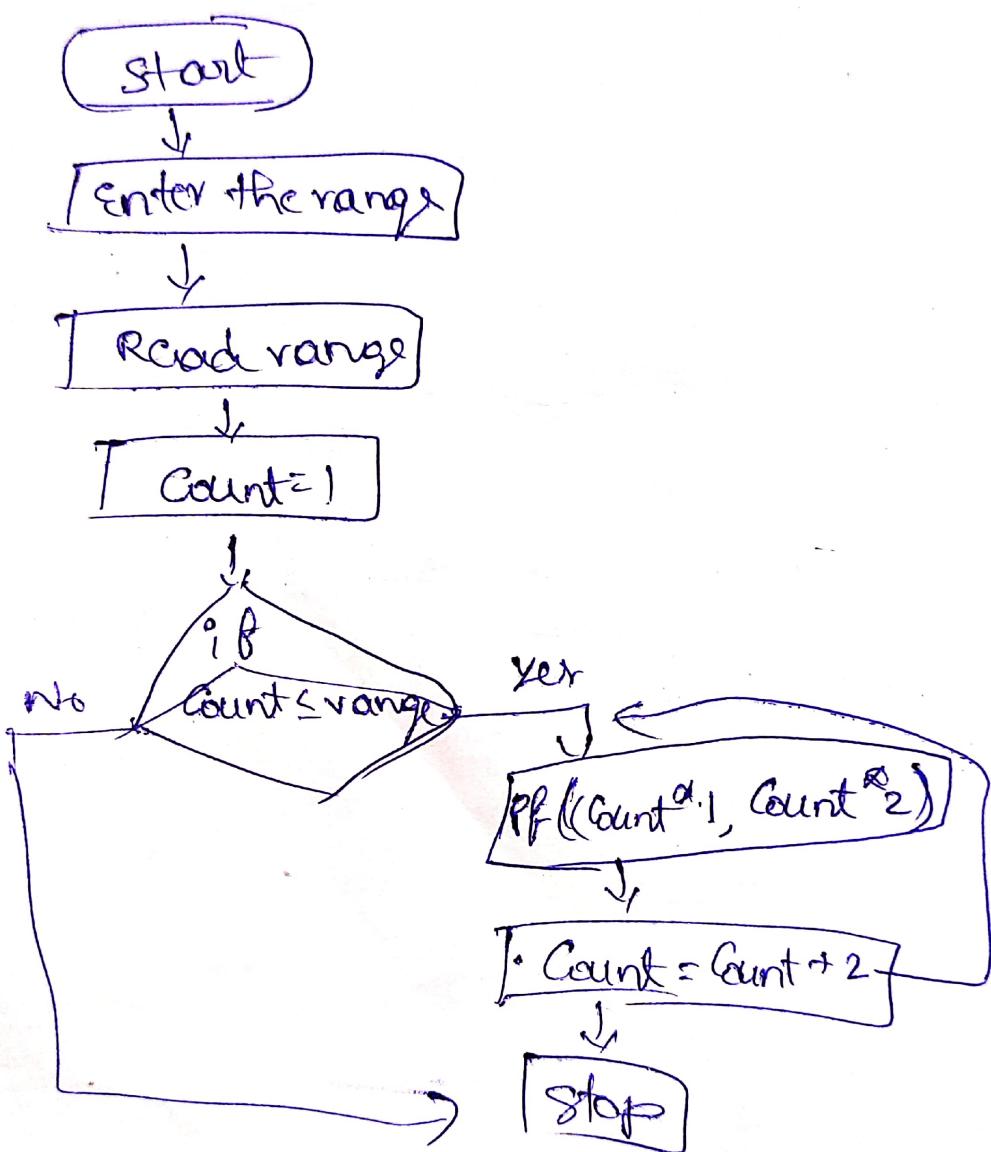
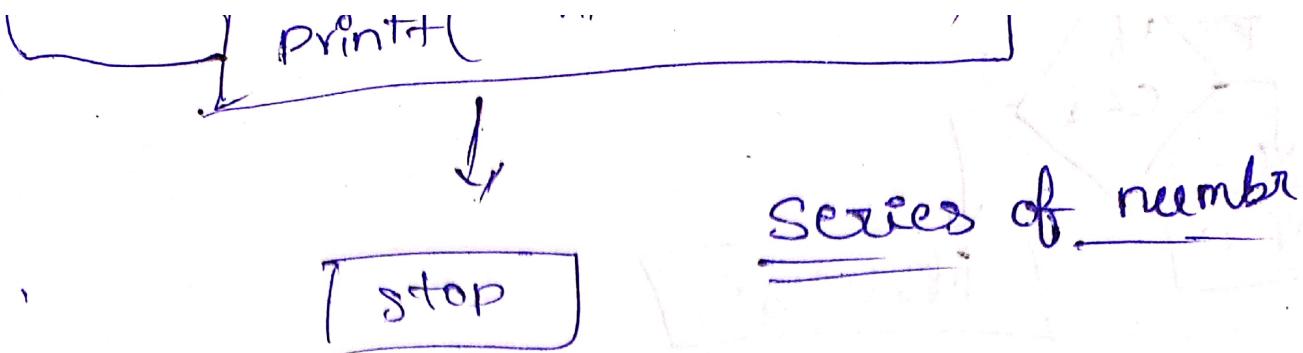
d>b

(a>d)

a>b

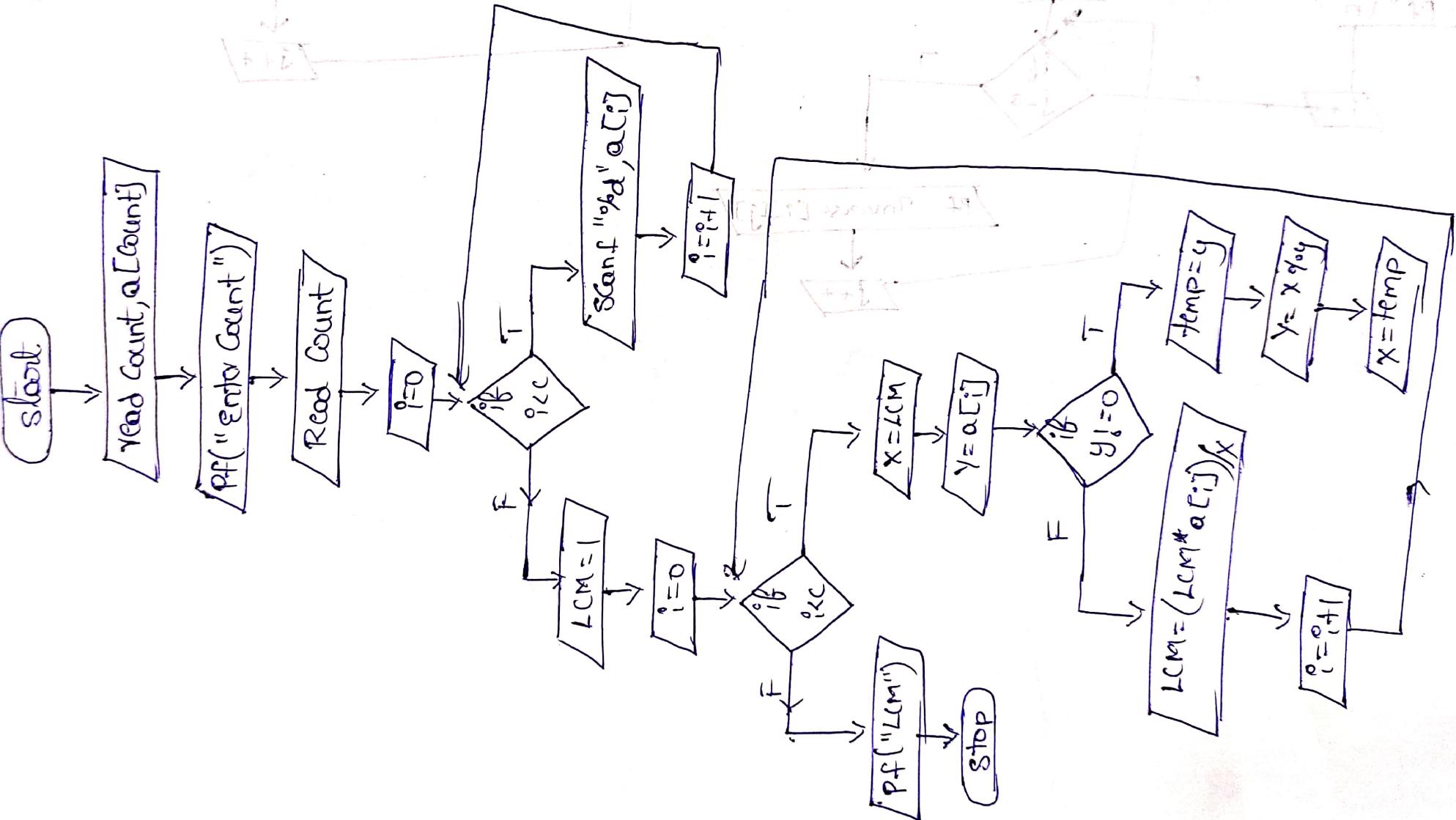
(a>c)

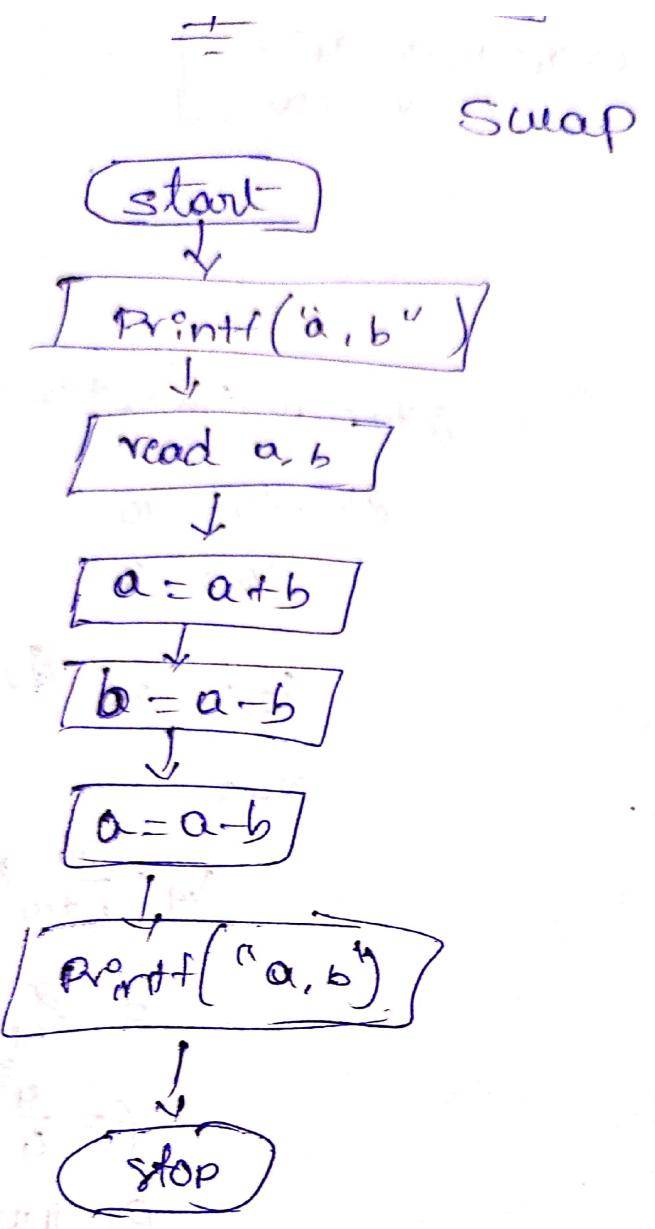
b>a



LCM of n numbers

(3)

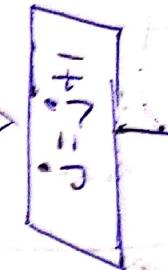
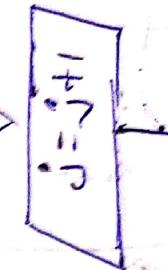
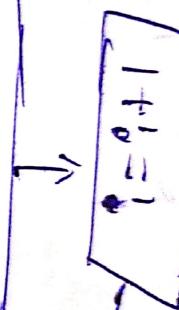
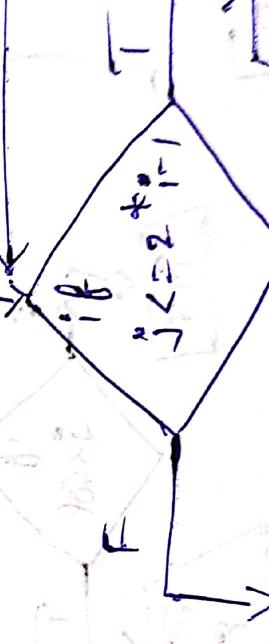
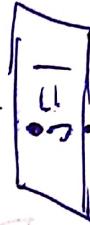
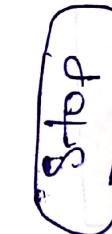
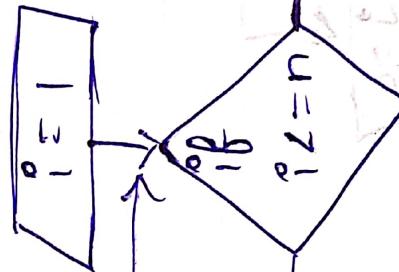
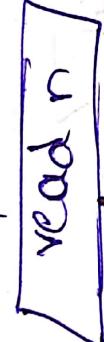
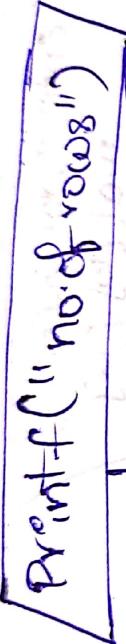
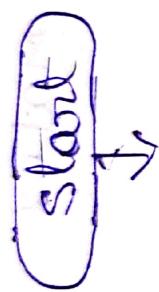




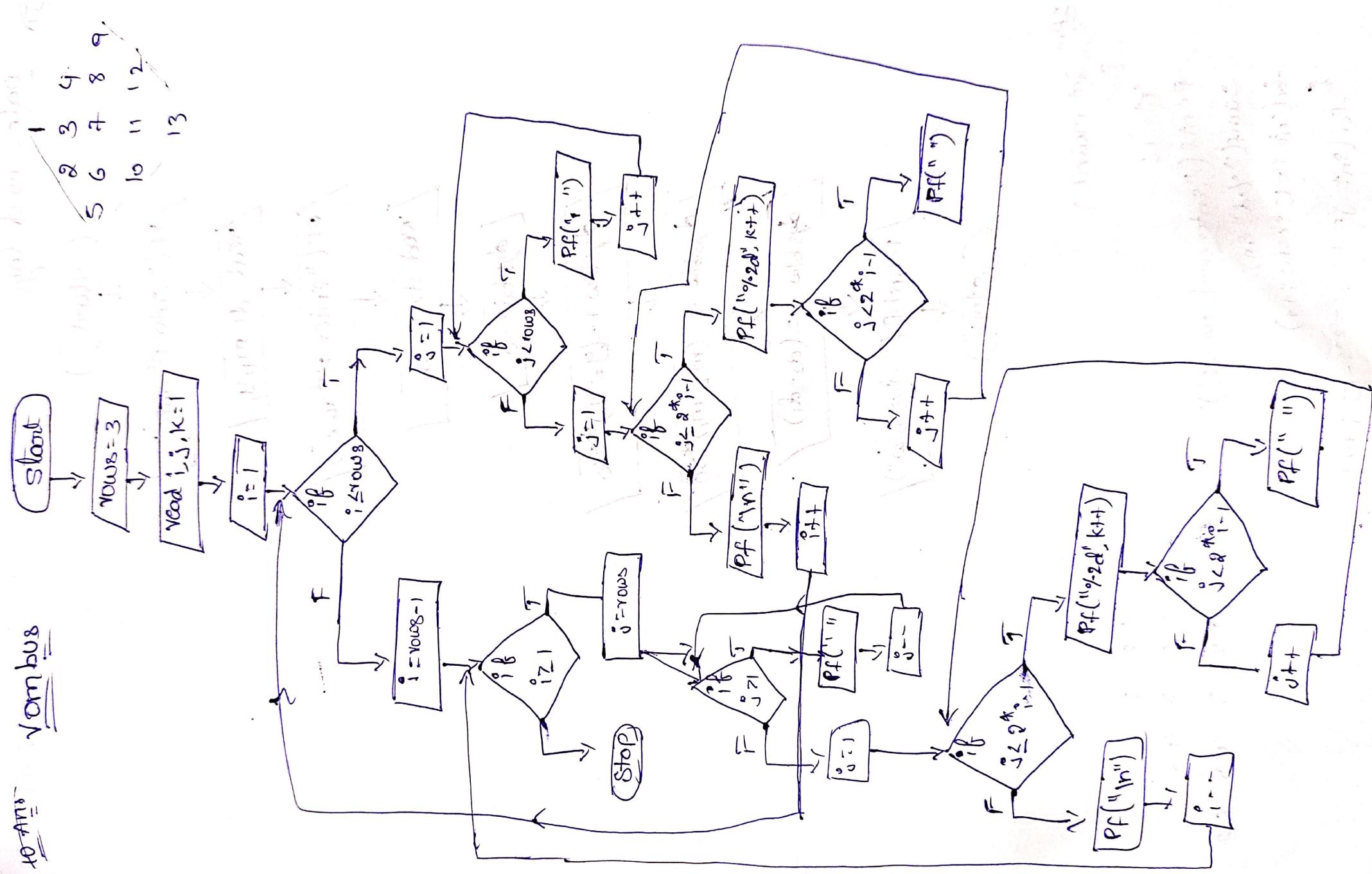
```

#include <iostream.h>
int main()
{
    int a,b;
    printf("a,b");
    scanf("%d,%d",&a,&b);
    a=a+b;
    b=a-b;
    a=a-b;
    printf("a,b");
    return 0;
}
  
```

Pattern =



Ans 11. 51 - ,



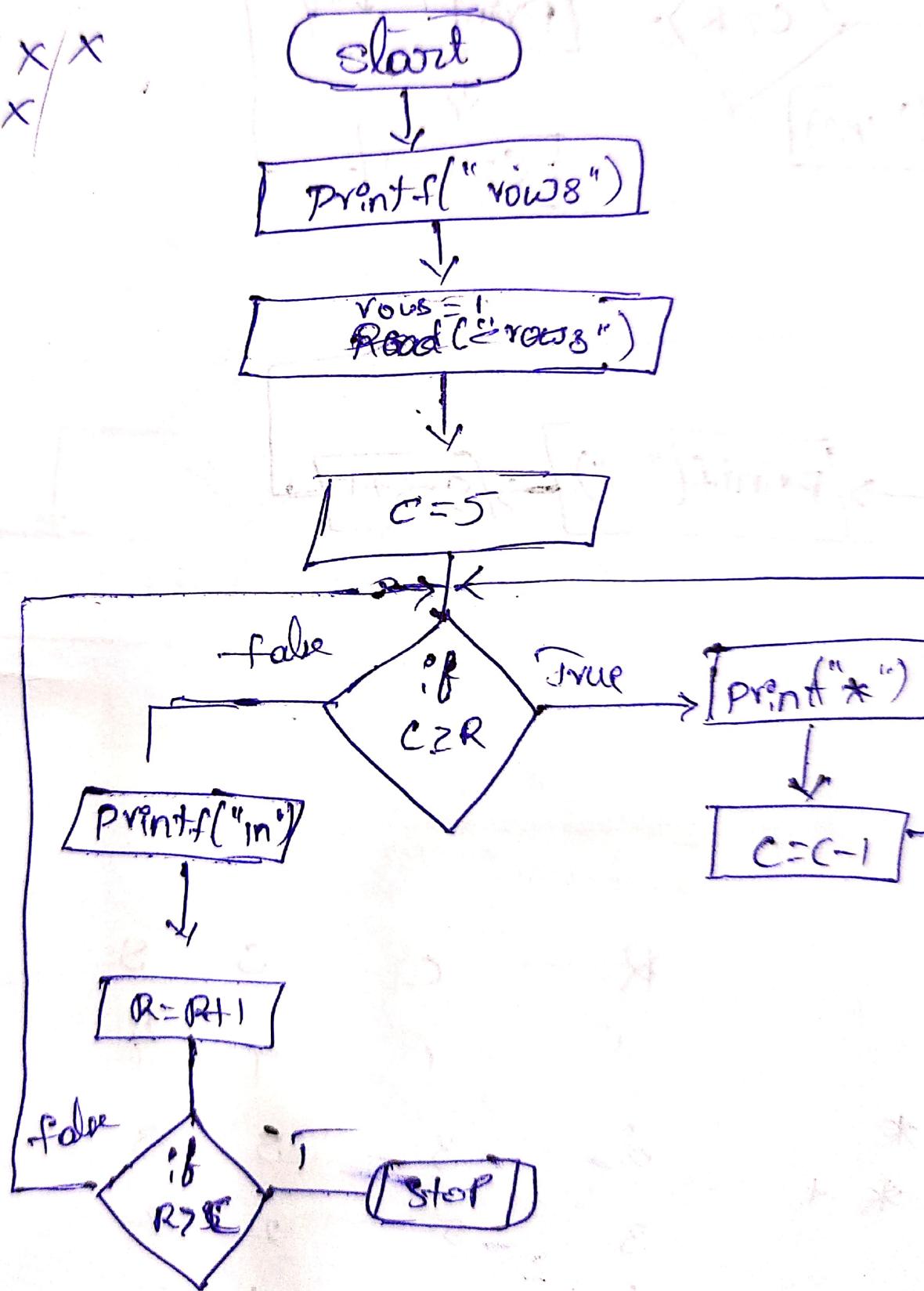
$$= \frac{1}{8}$$

①

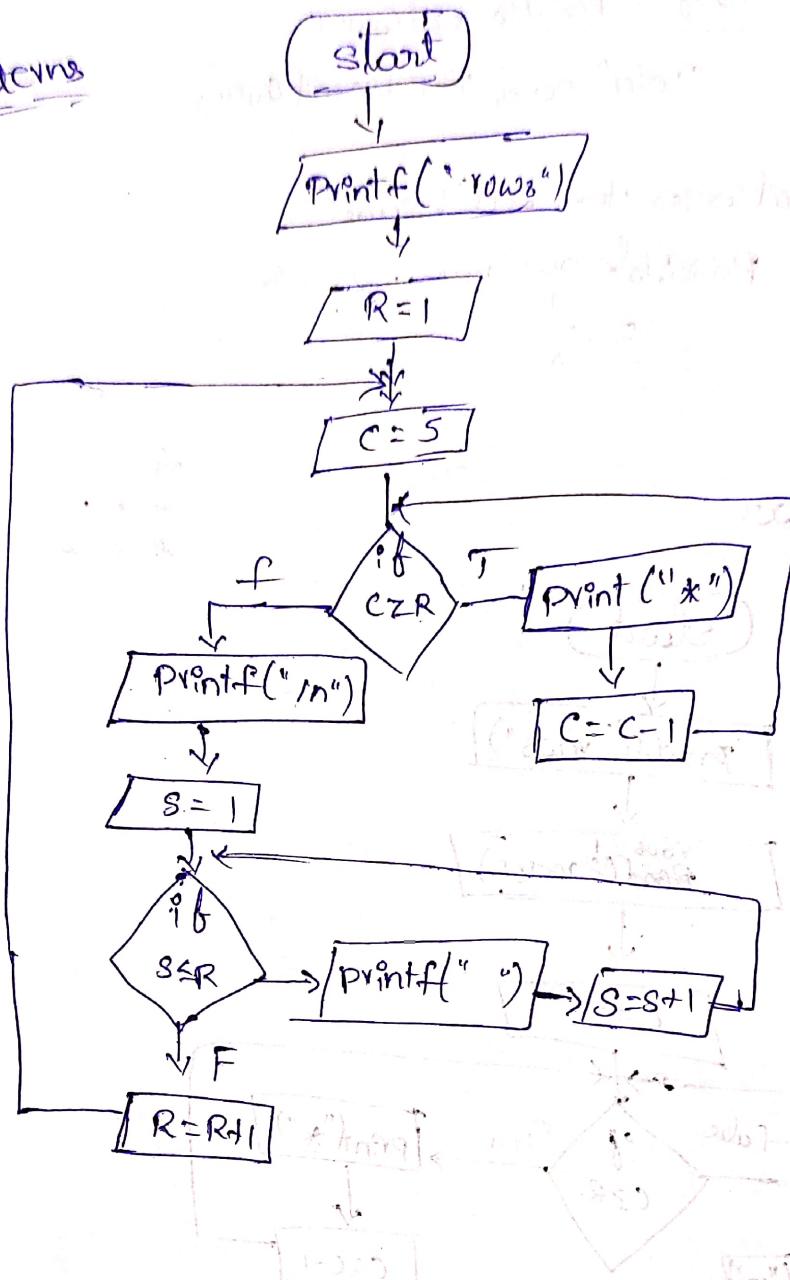
star

②

```
x|x|x|x/x
x|x|x/x
xx|x
xx
x
```



⑥ Patterns



⑬

* * *
* * * * *
* * * * * * *
* * * * * * * *

int main()

{

int rows=5;

for(int i=1; i<=rows; i++)

{

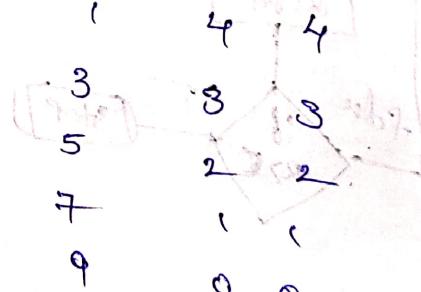
 for(int j=1; j<=5; j++)

 printf(" ");

 for(int k=1; k<=i*2-1; k++)

R
1
2
3
4
5

C
1
2
3
4
5
6
7
8
9



X X X X X
X X X X X
X X X X X
X X X X X
X X X X X

X X X X X

X X X X X

X X X X X

X X X X X

X X X X X

X X X X X

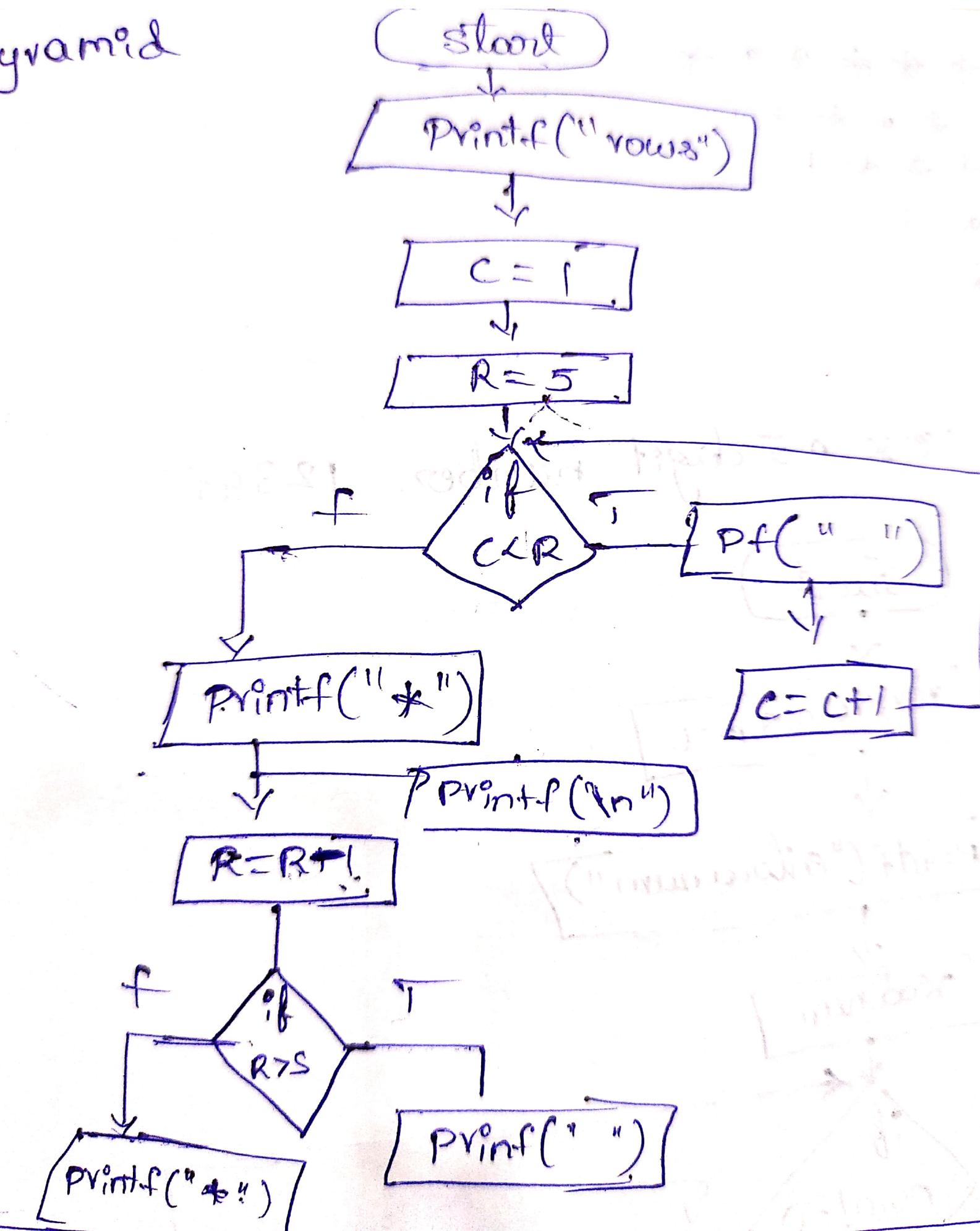
X X X X X

X X X X X

X X X X X

X X X X X

Pyramid



Inverted pyramid

14 APR

```

int vowels=5;
for(int i=1; i<=5; i++)
{
    for(int j=1; j<=i; j++)
        printf("*");
    printf("\n");
}

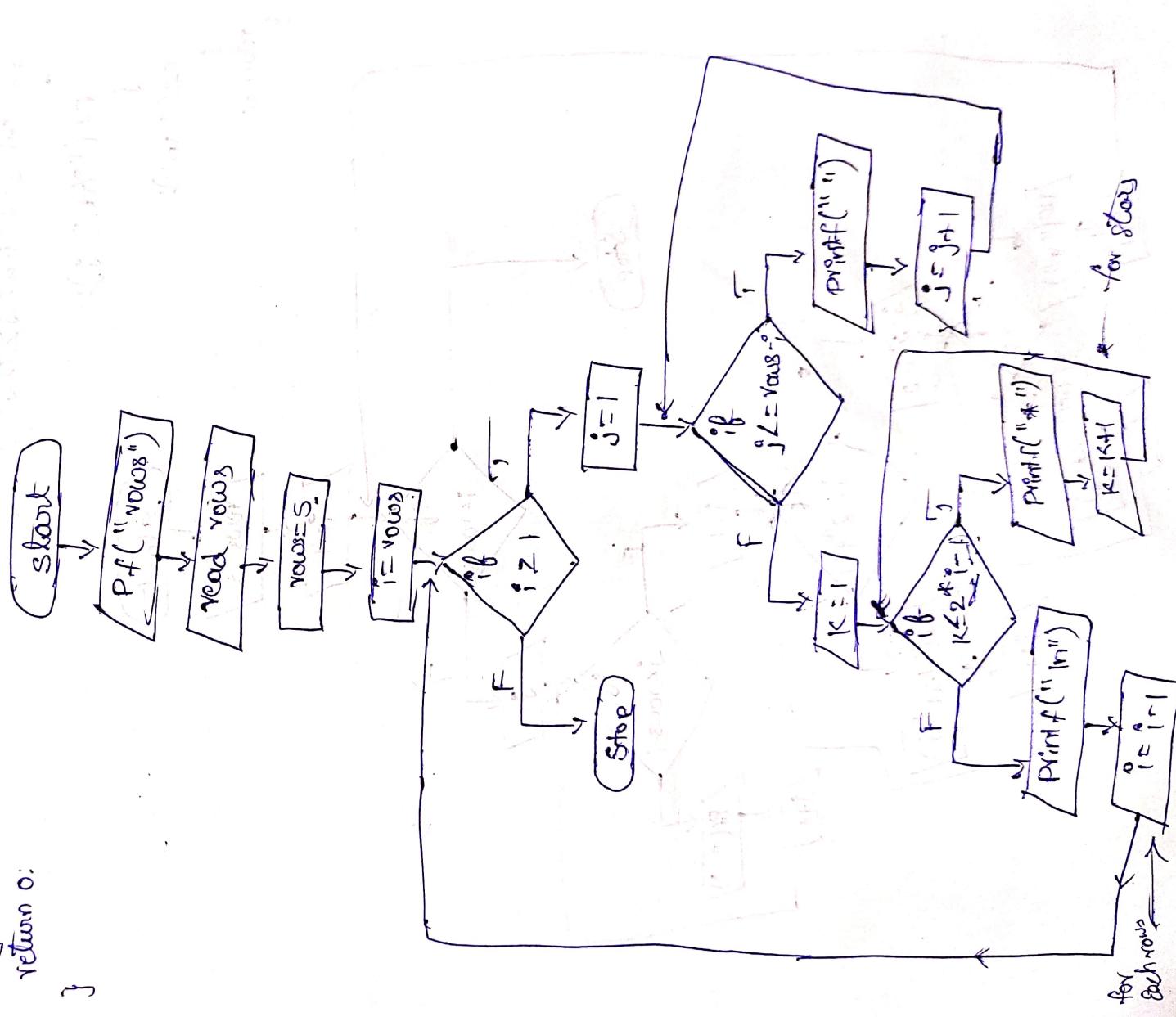
```

```

printf(" ");
{
    int k=1; k<=2*i-1; k++)
    {
        printf("*");
        printf("\n");
    }
}

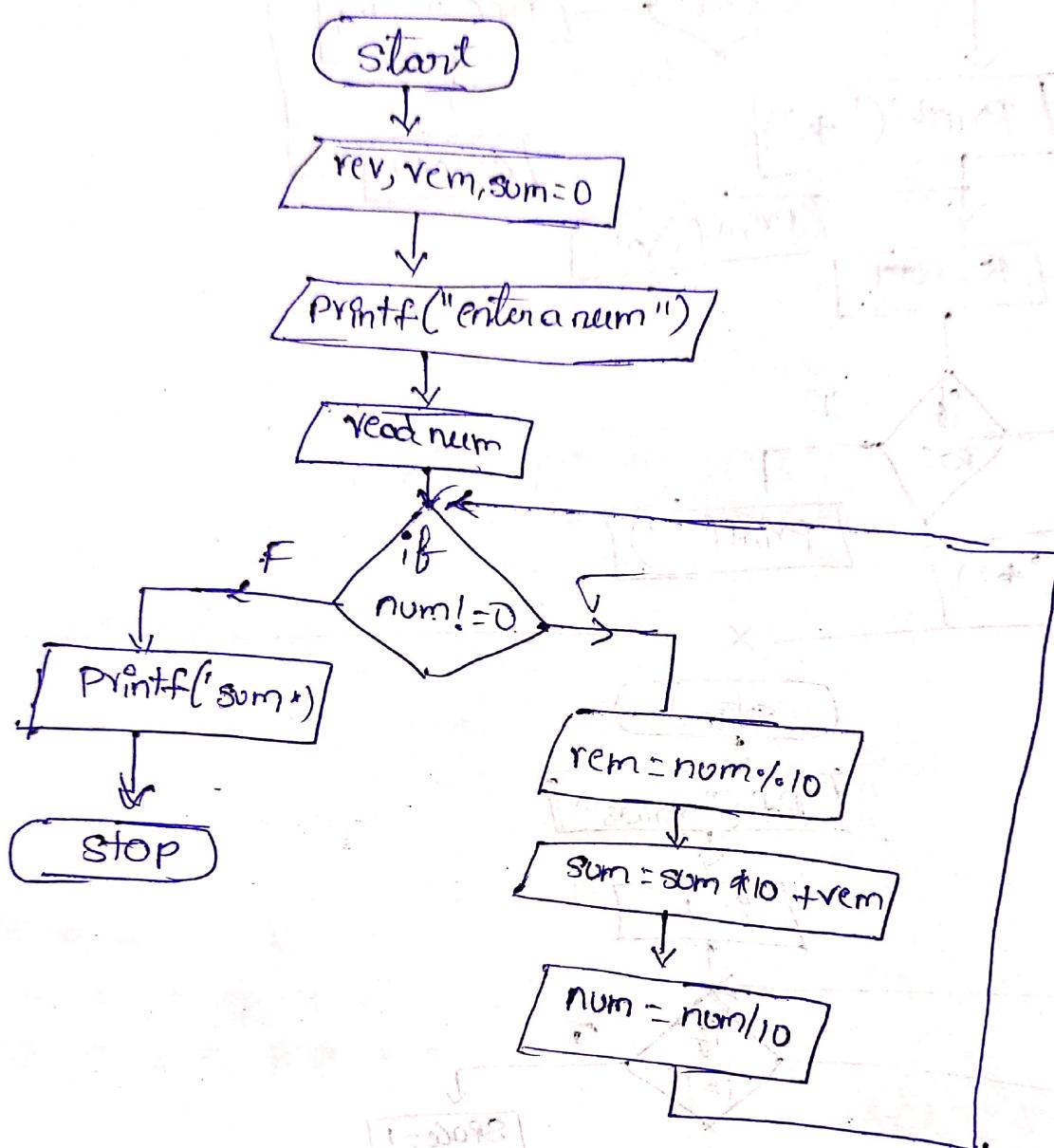
```

return 0;



10

D.F for reverse a 5 digit number. 12345

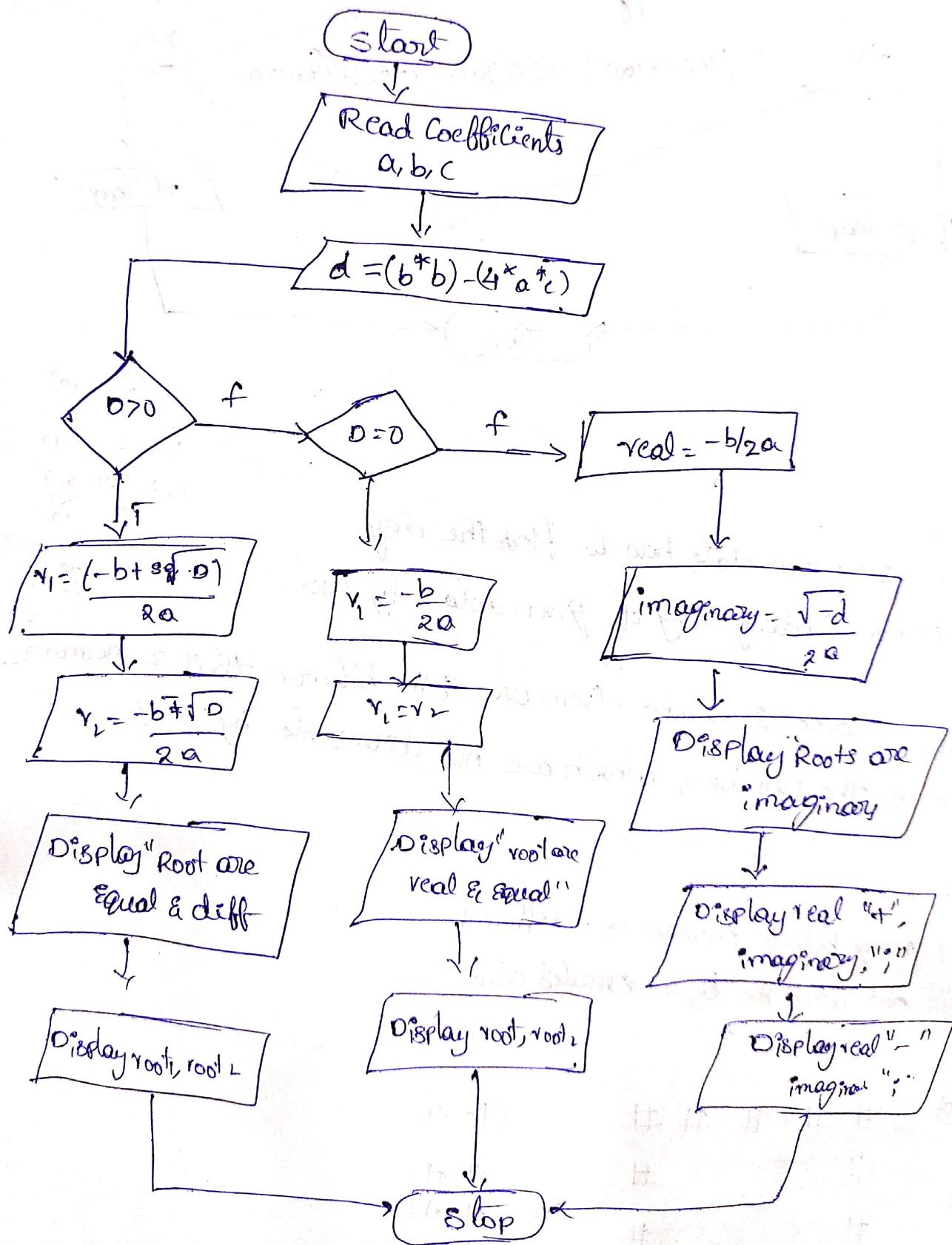
AnsExm

93/1124

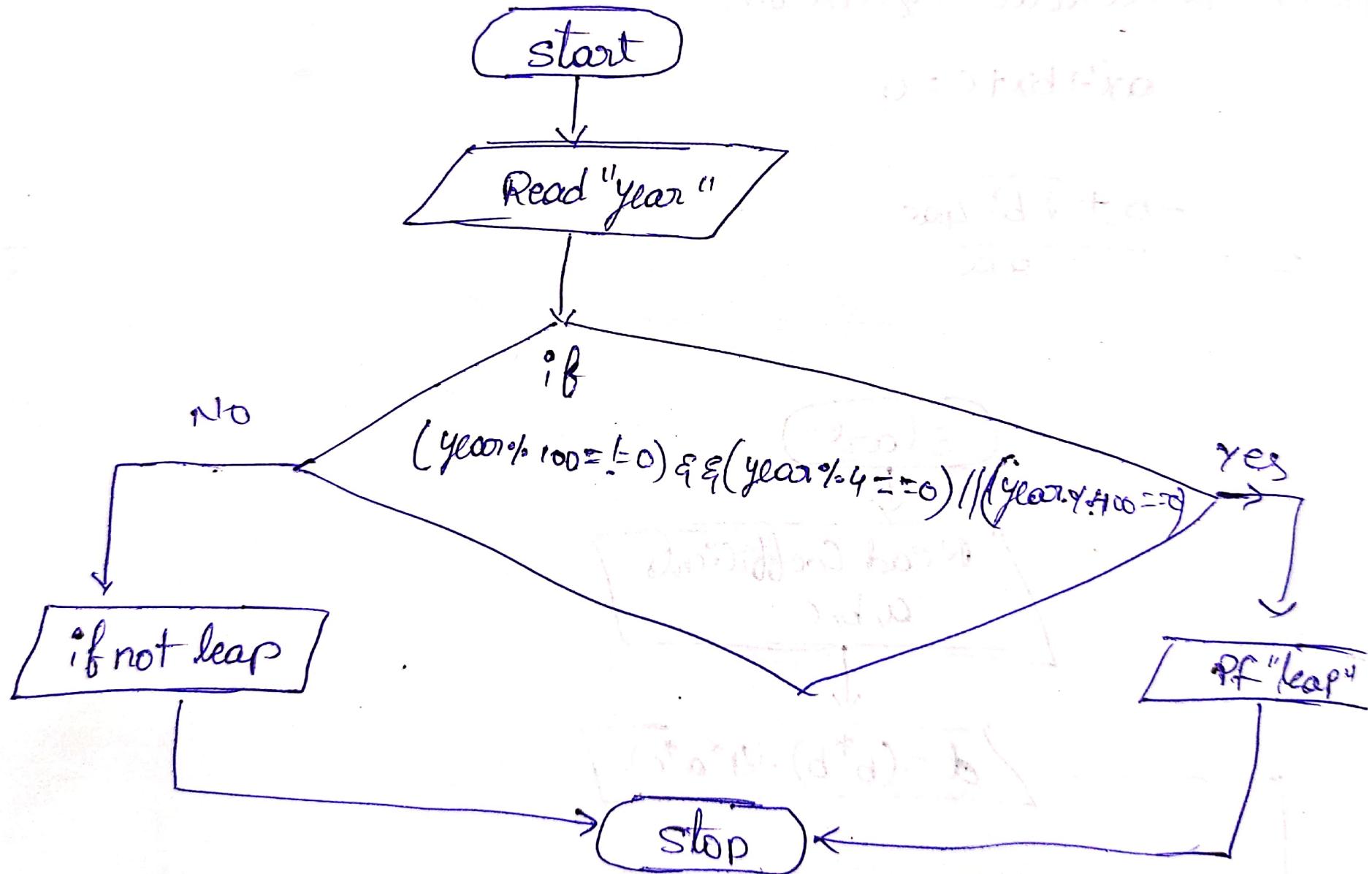
(16) Roots of quadratic equation?

$$ax^2 + bx + c = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

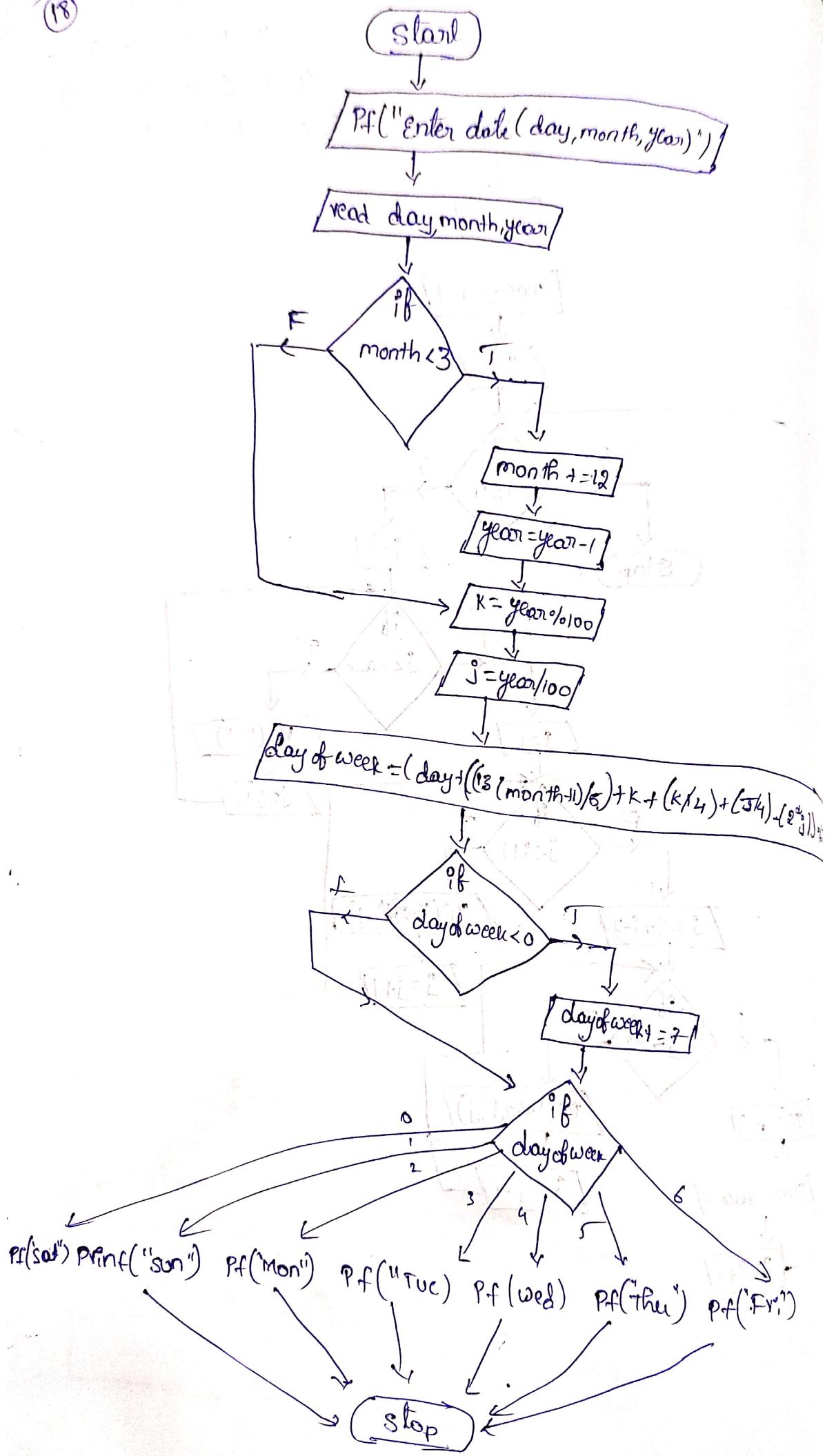


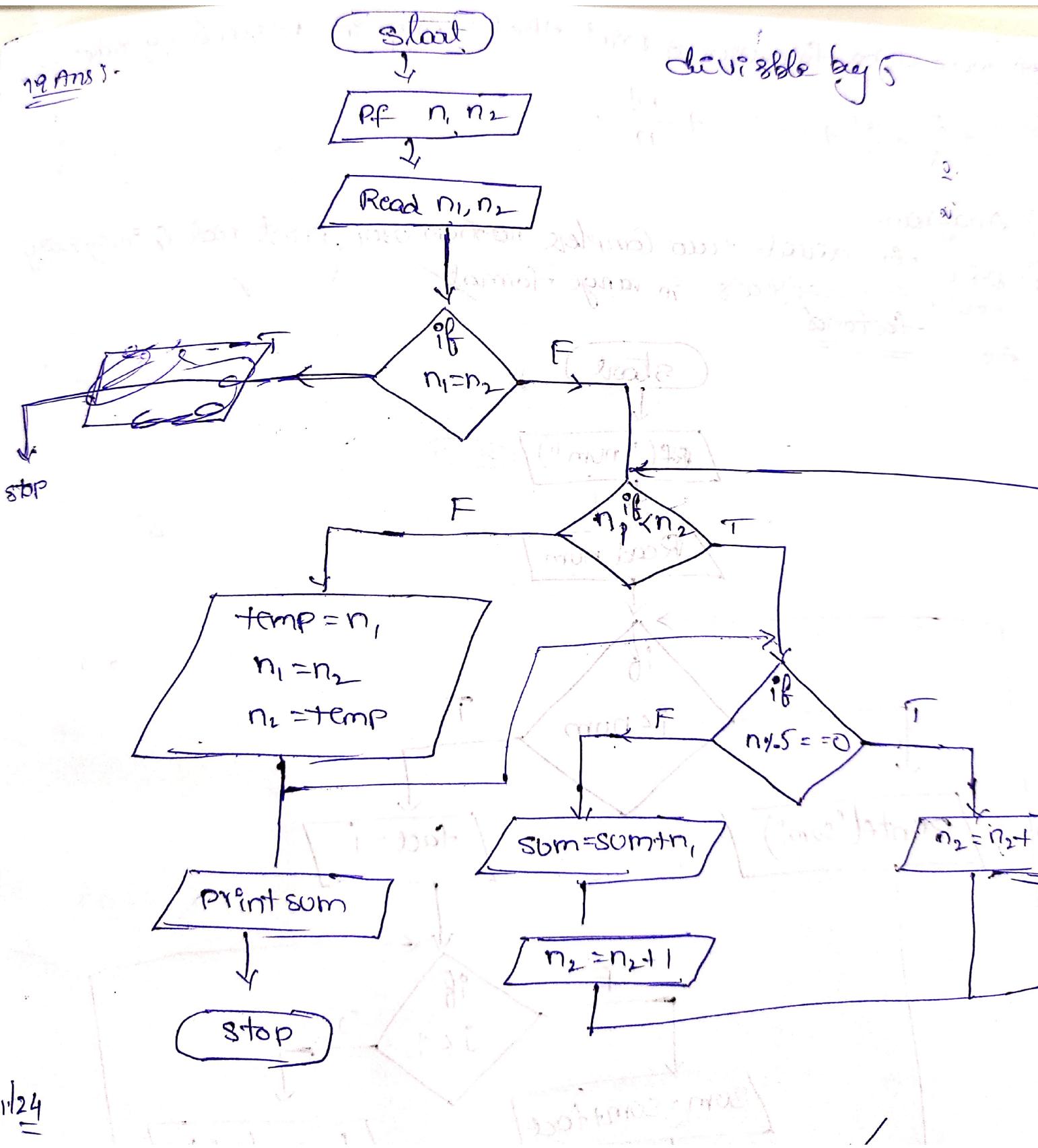
⑯ draw the flowchart for finding the leap year?



Find day by the date

(18)

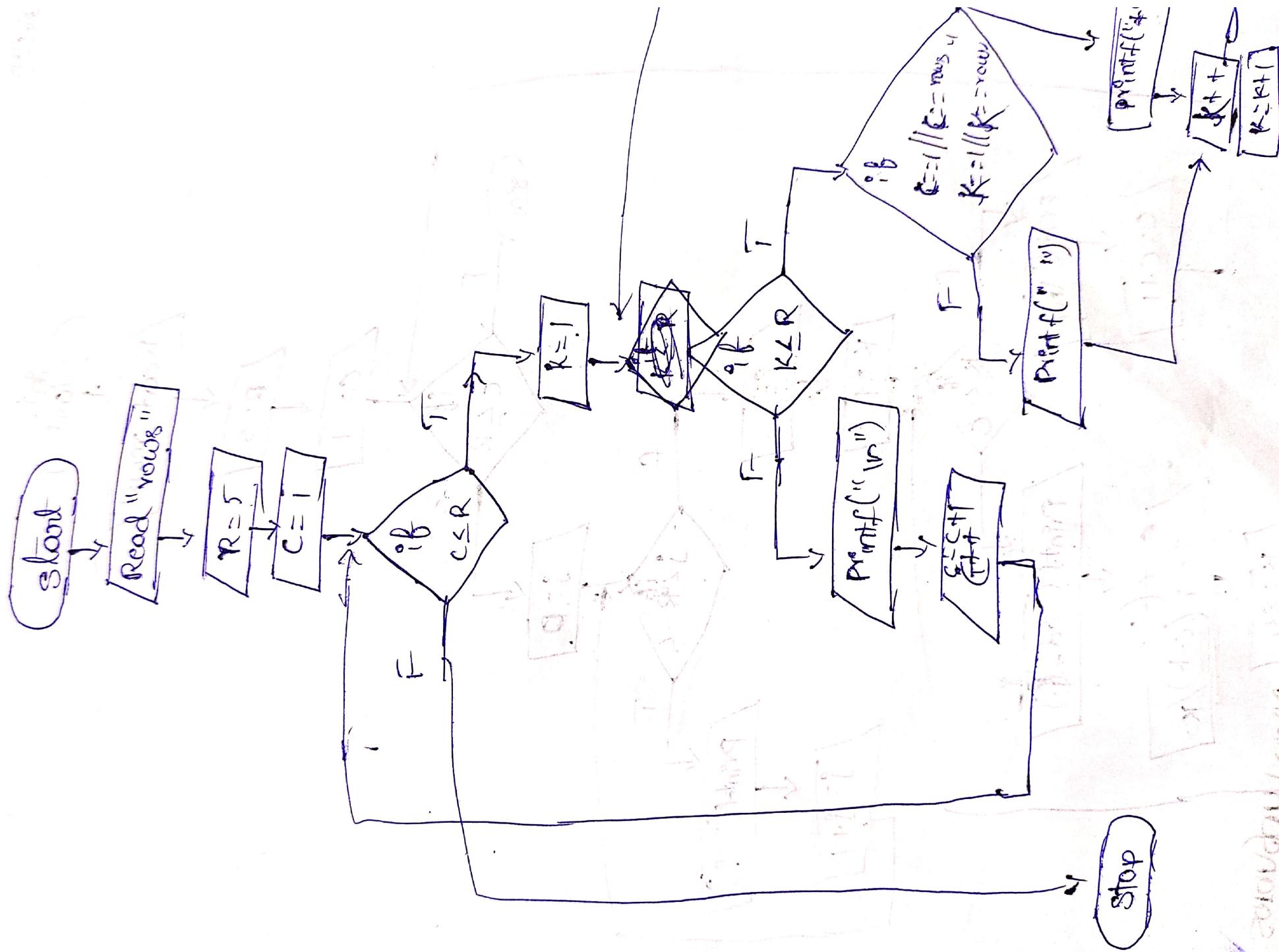




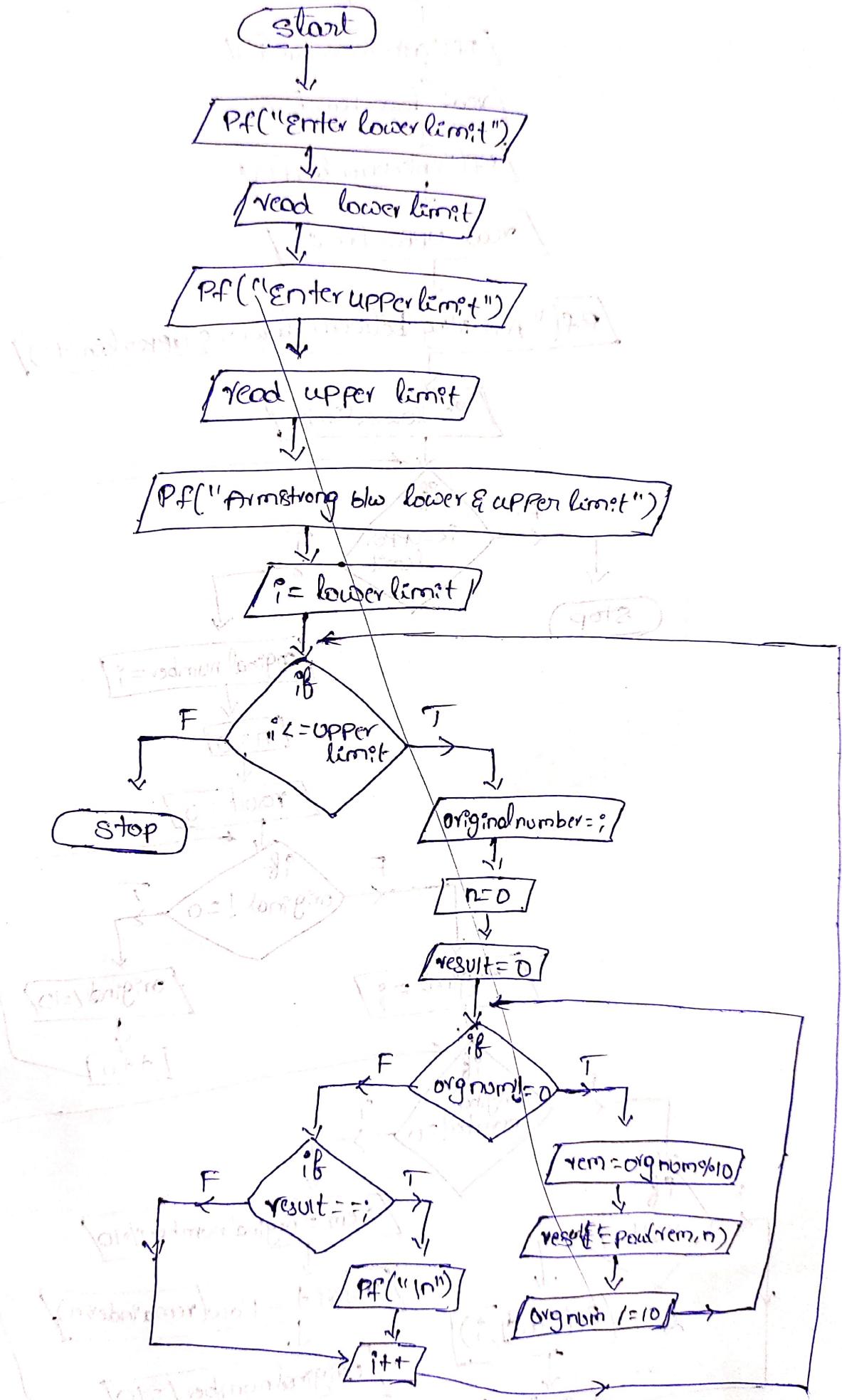
Formation of strings: abc

Halloween

30 Ans

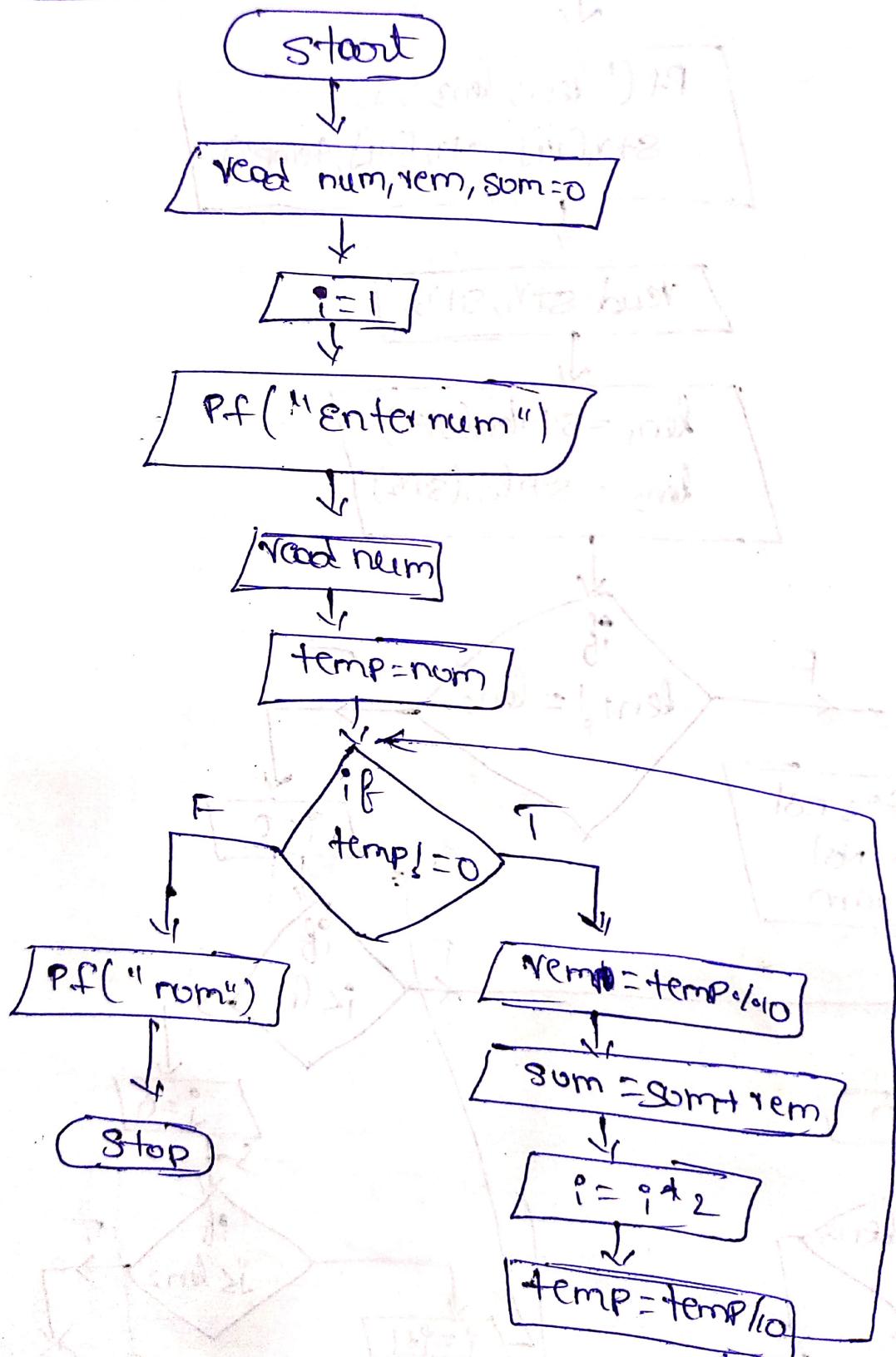


(Q1) Armstrong B/w Intervals



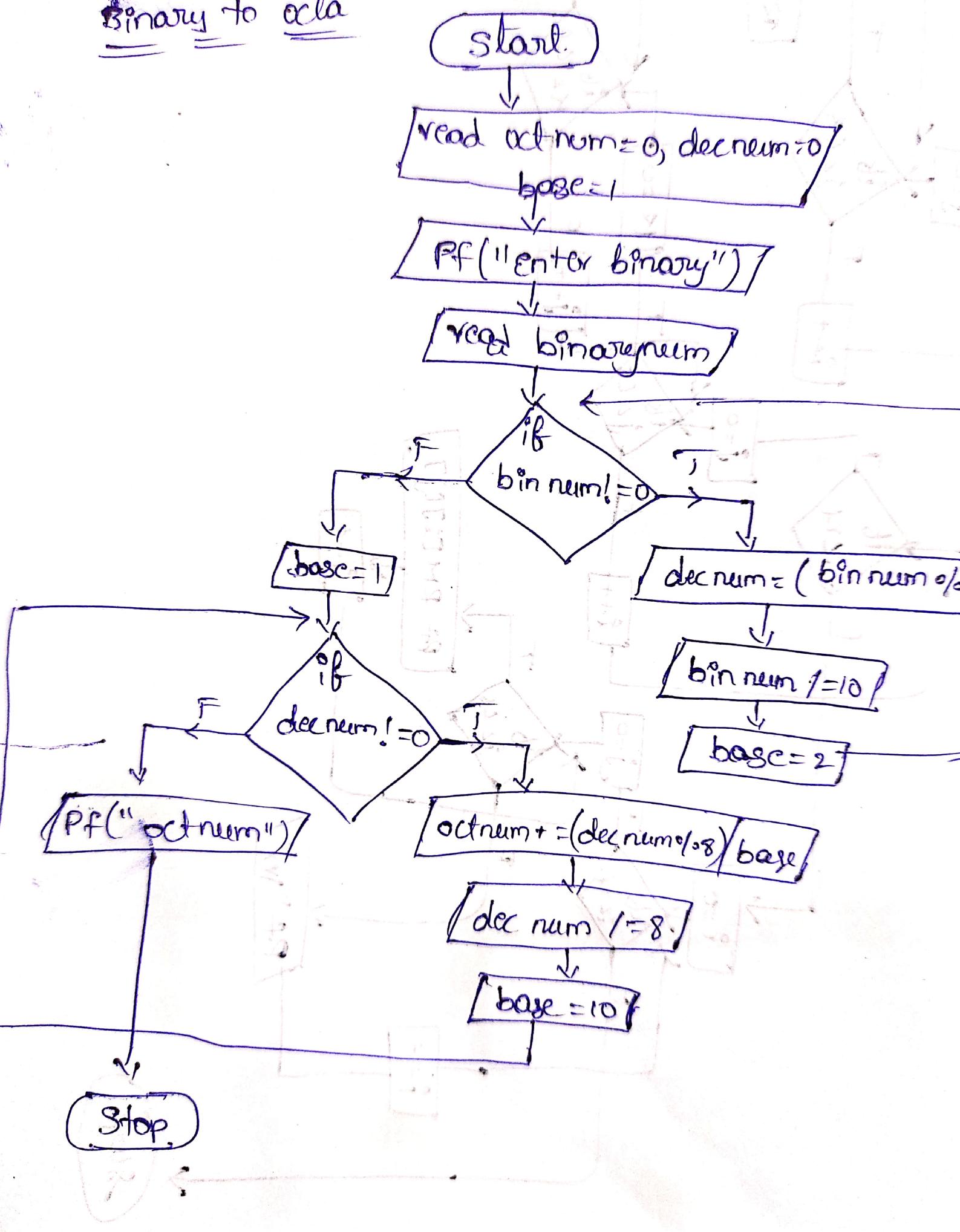
Binary to hexa

(2)

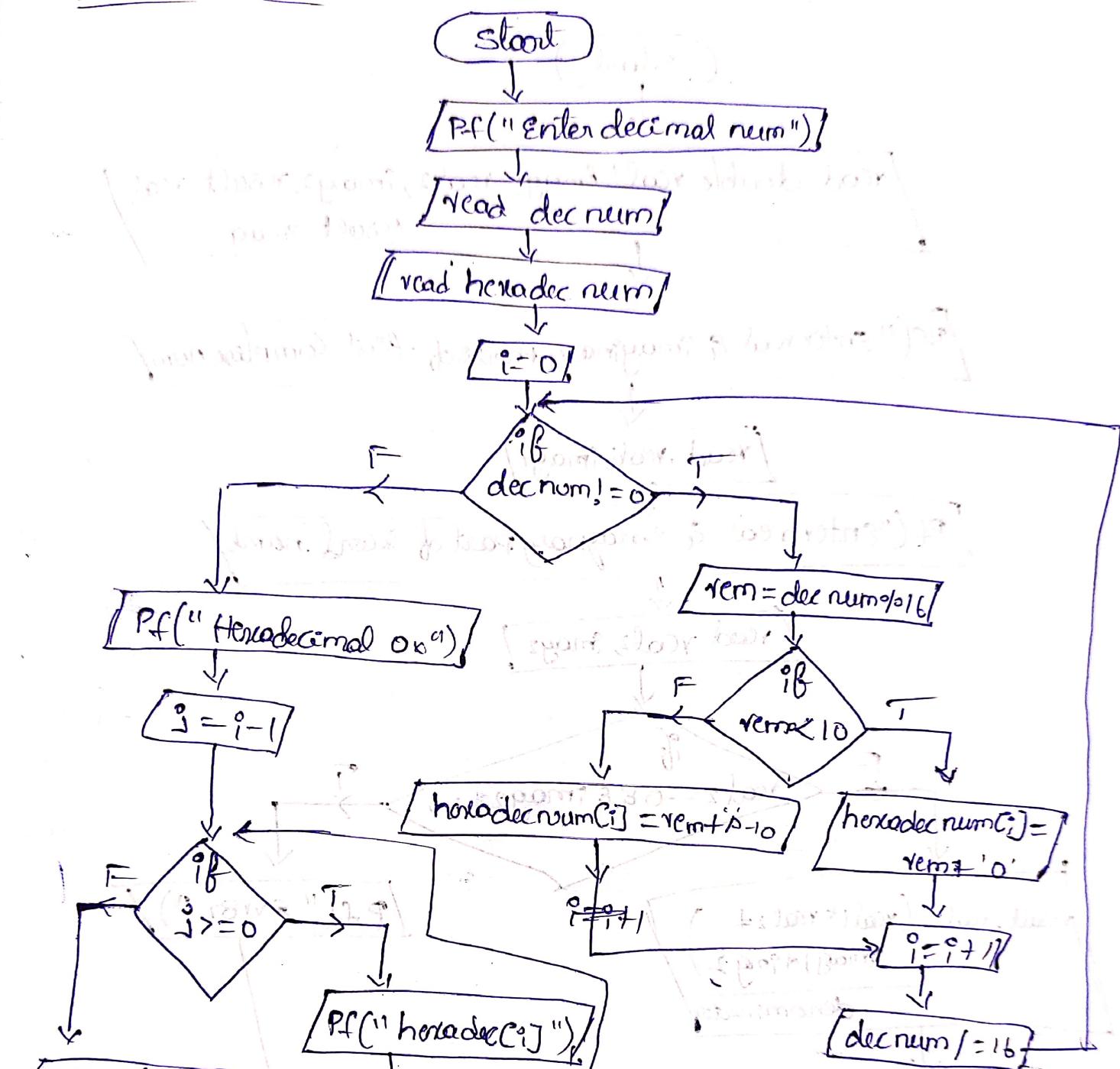


long con...

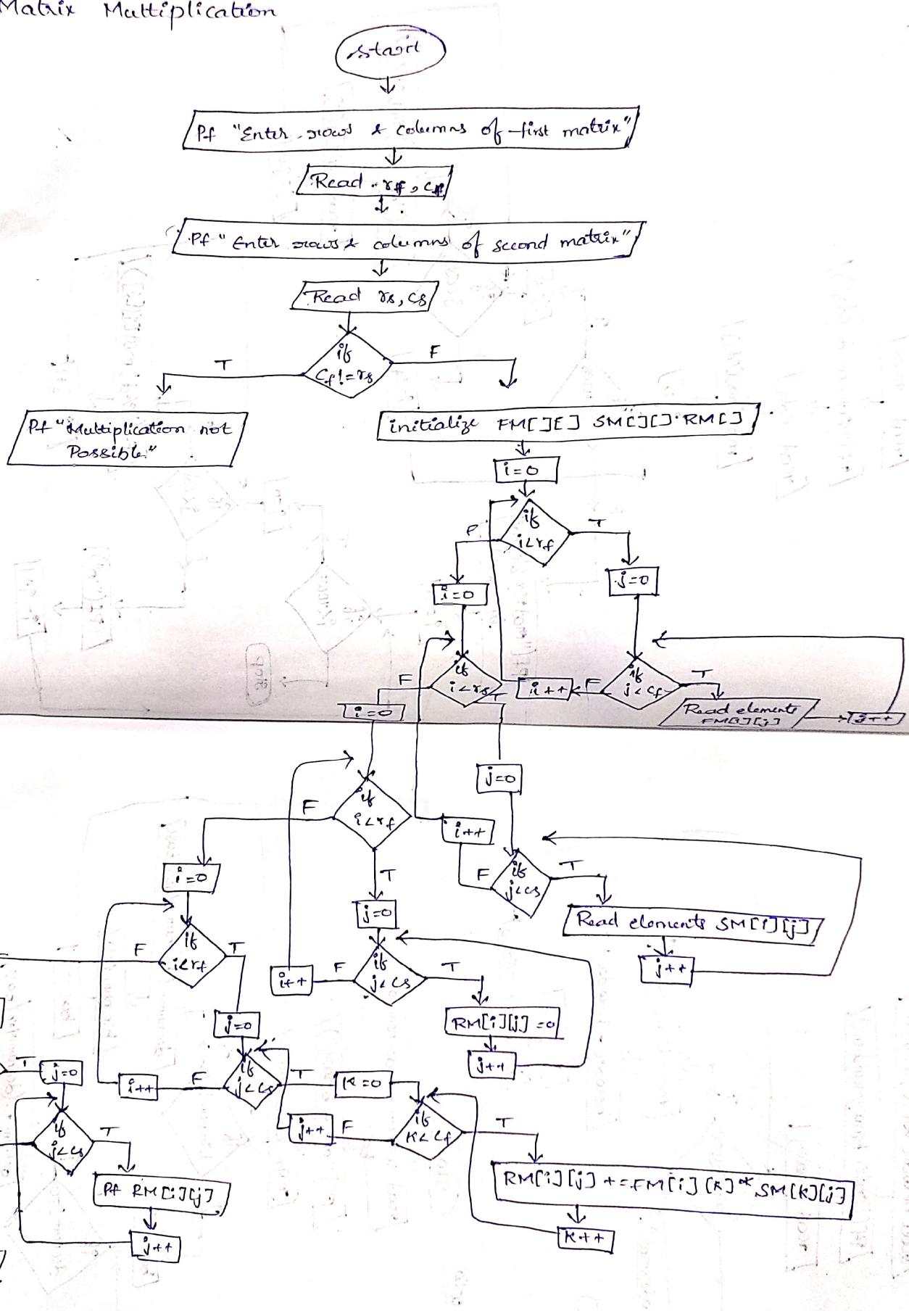
Binary to octa



Decimal to hexa

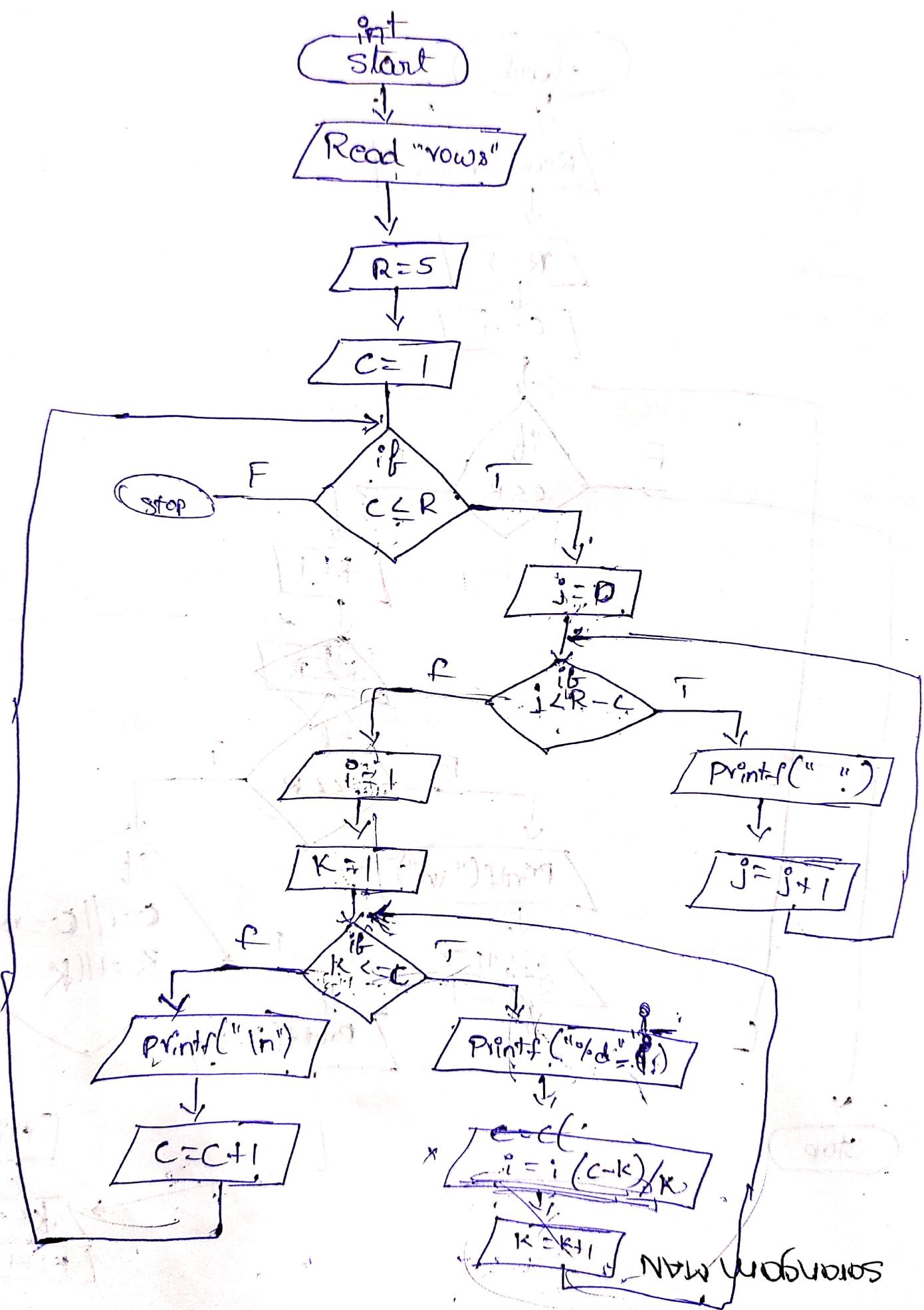


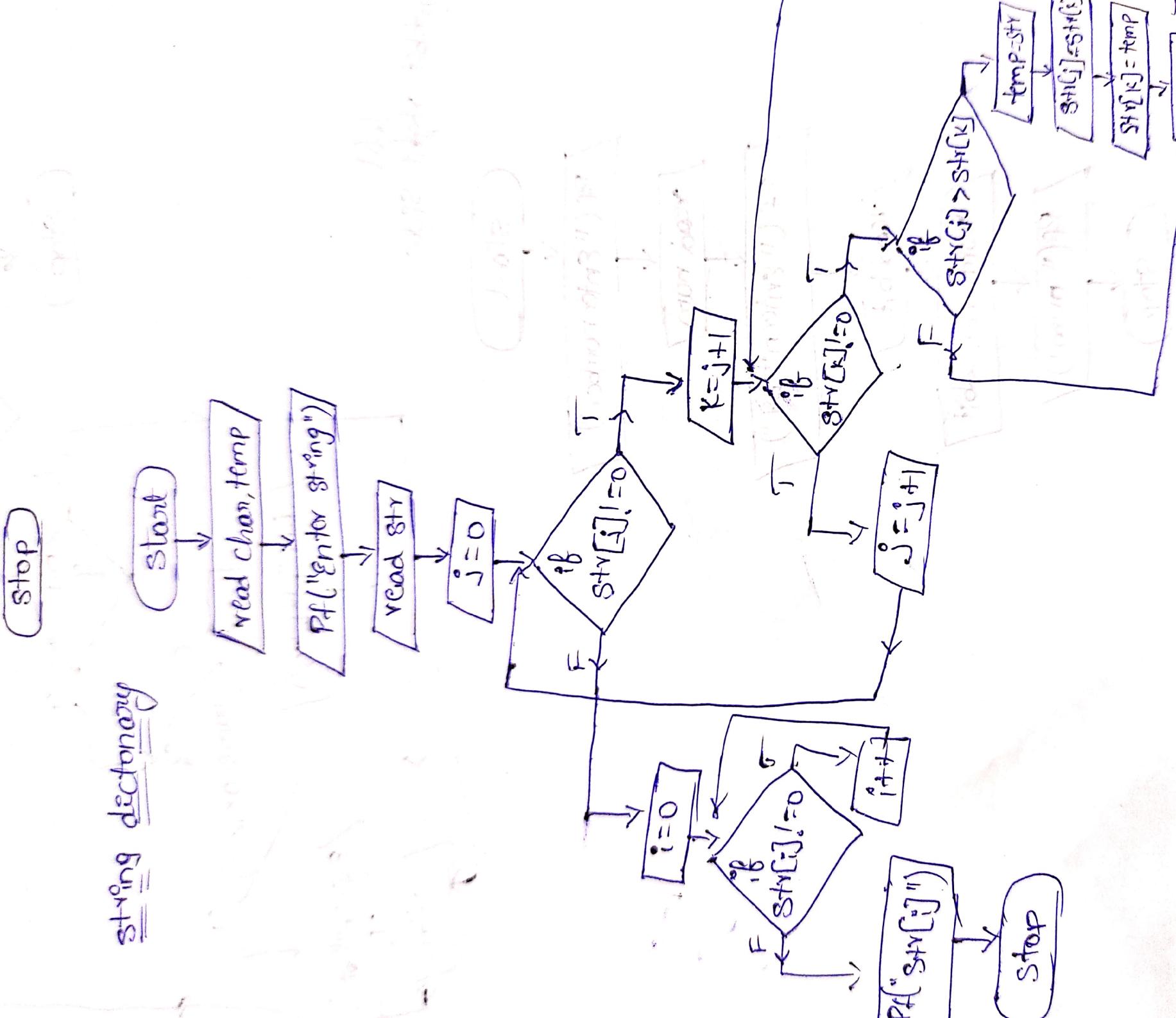
Matrix Multiplication



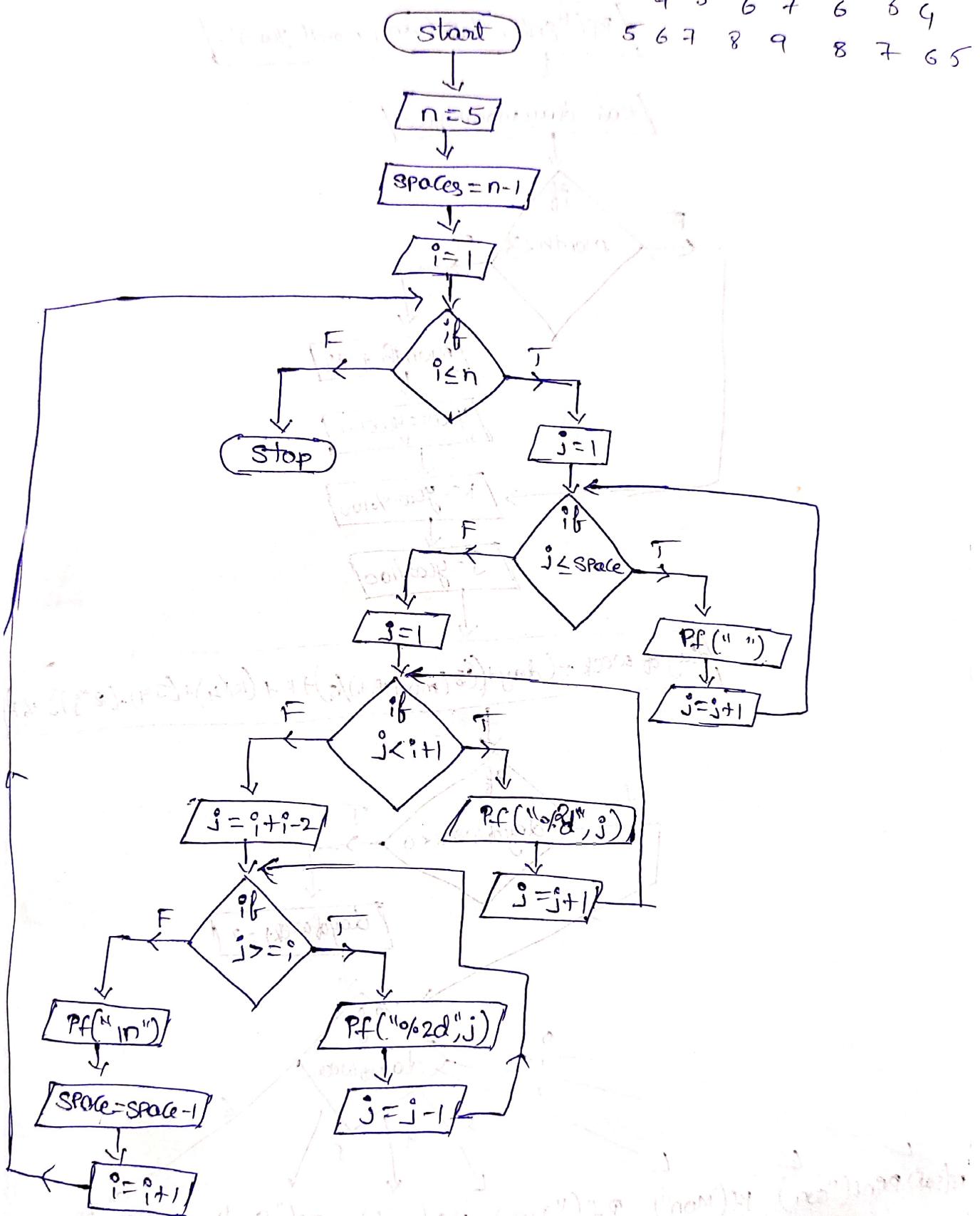
26 Ans

Pascal



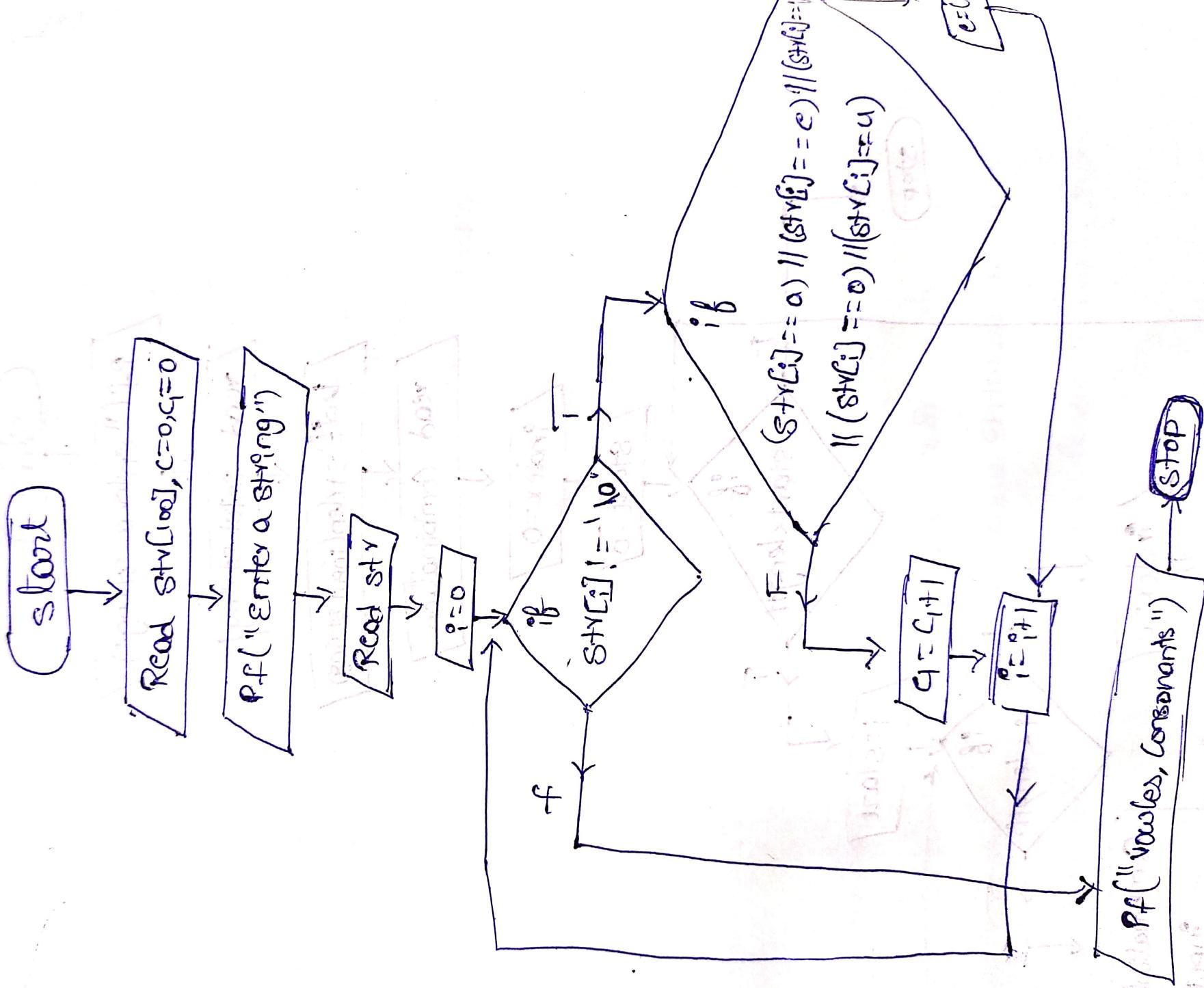


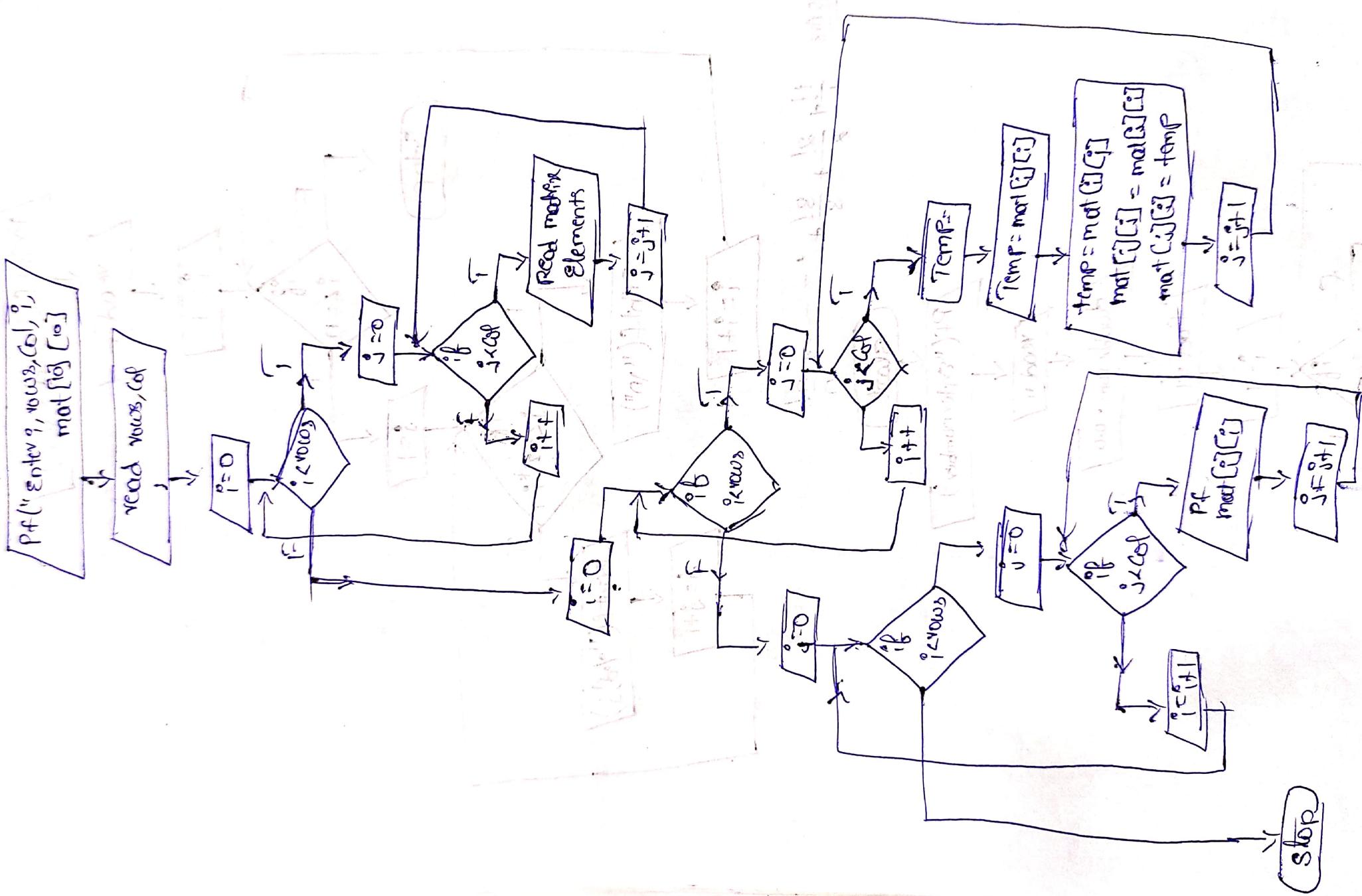
(28)

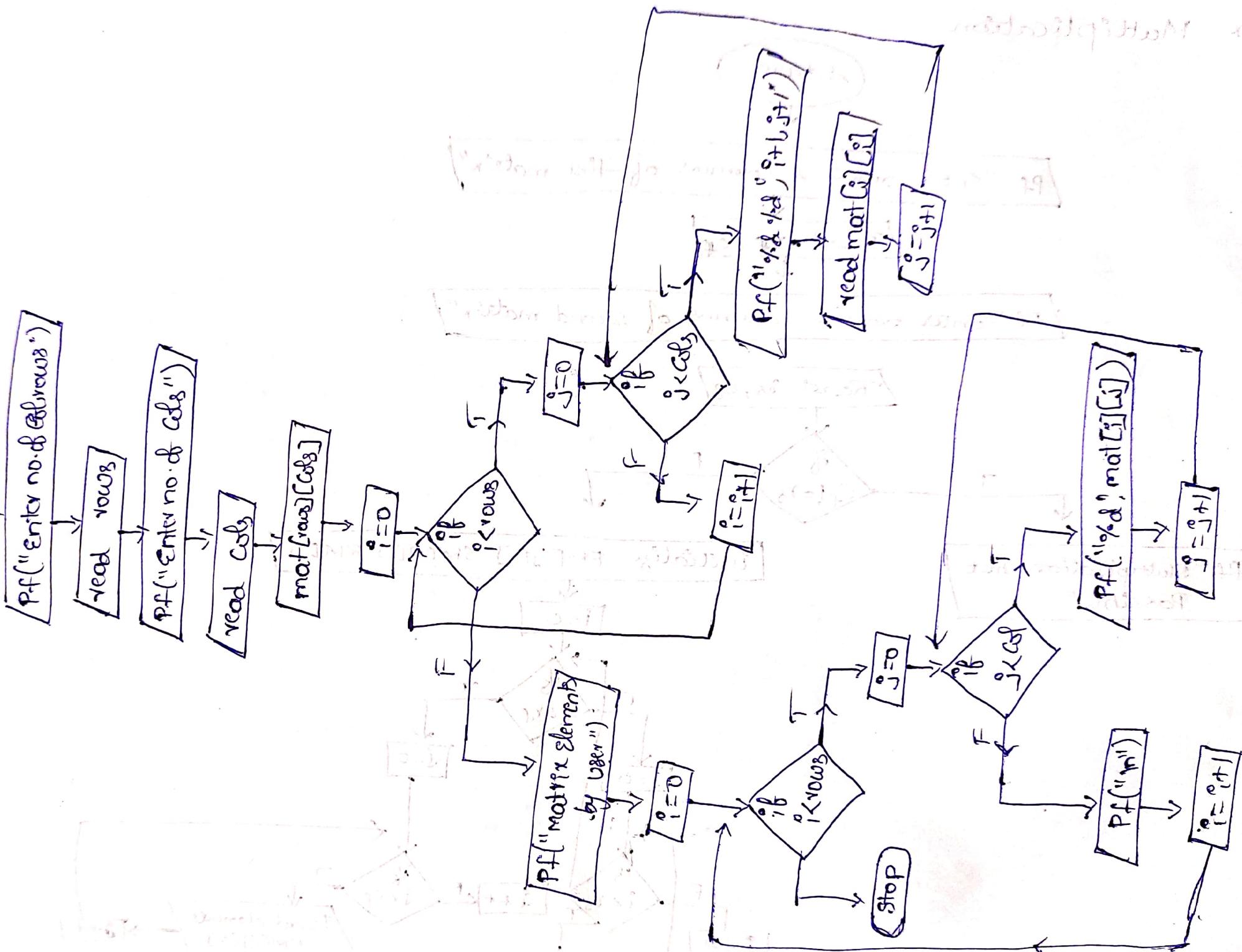
numbers.c

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

Vowels & Consonants considered concrete.







hours, min, sec

(32)

start

pf("s")

read("s")

read("hrs, min, sec")

hrs = Sec/3600

min = Sec/60

pf("hrs, min, sec")

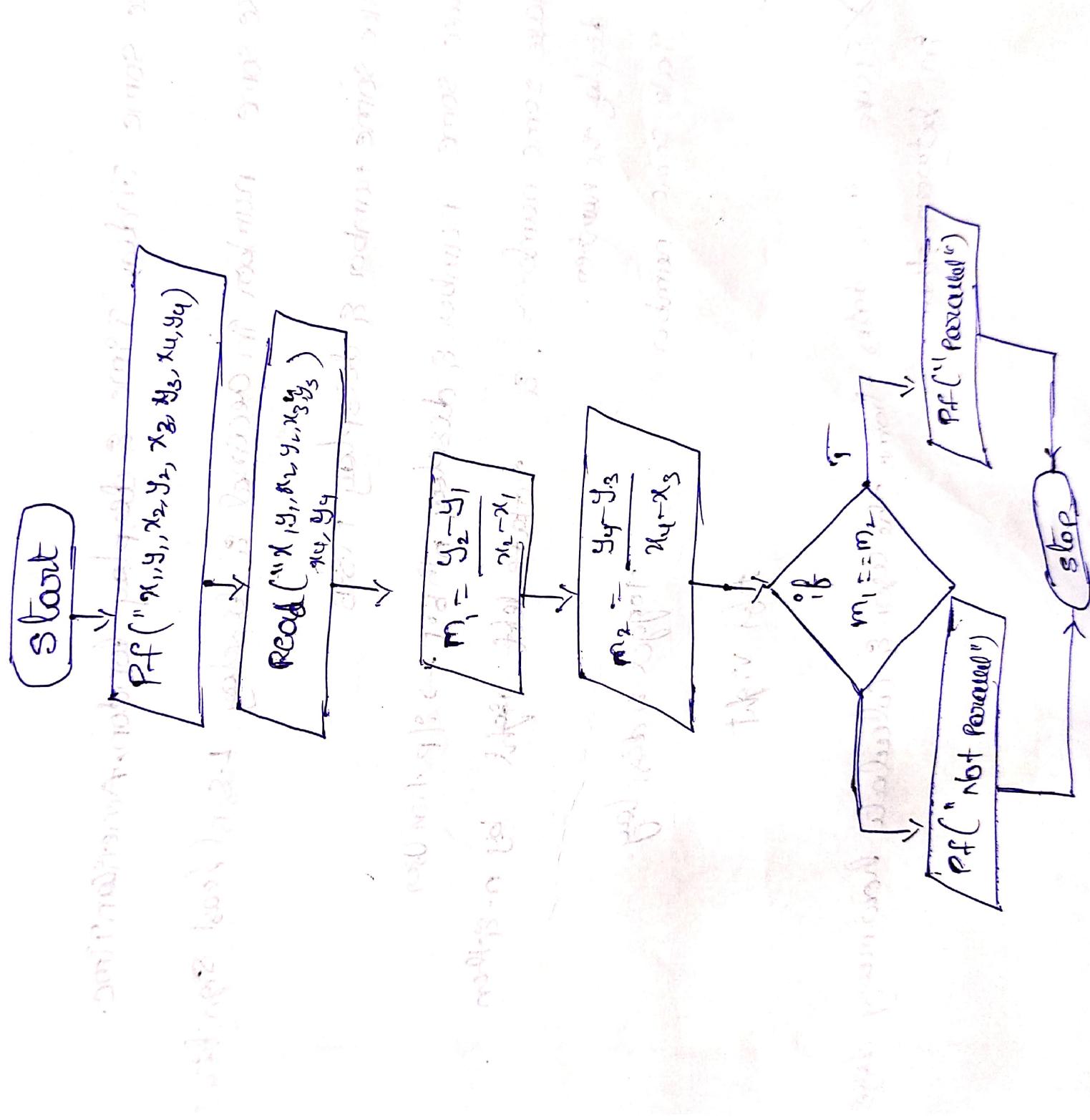
stop

$\frac{85}{85} \mid \underline{\underline{124}}$

44 Take sum -

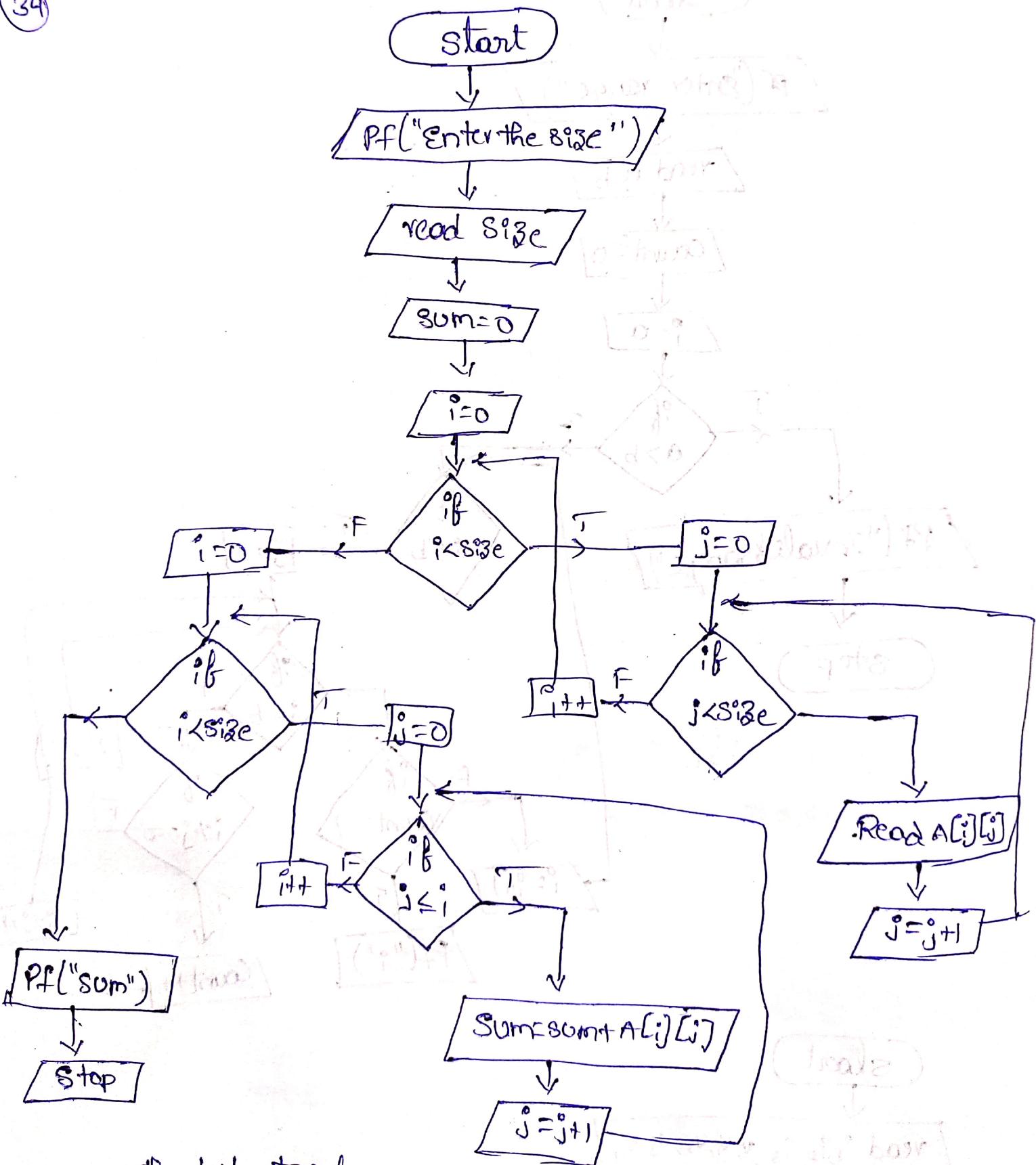
$\text{adj} A =$

③ Parallel



lower Triangle

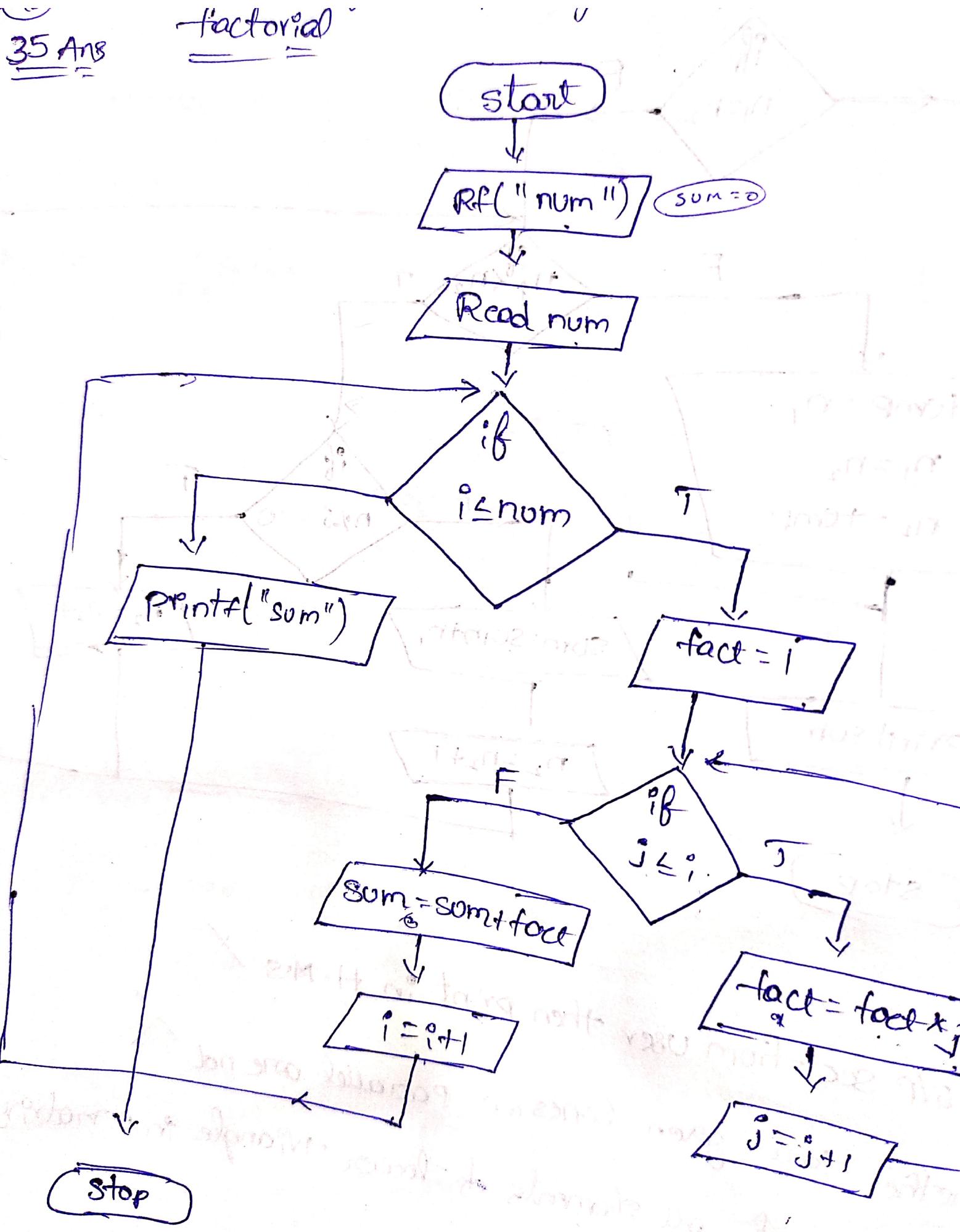
34



nth bit toggle

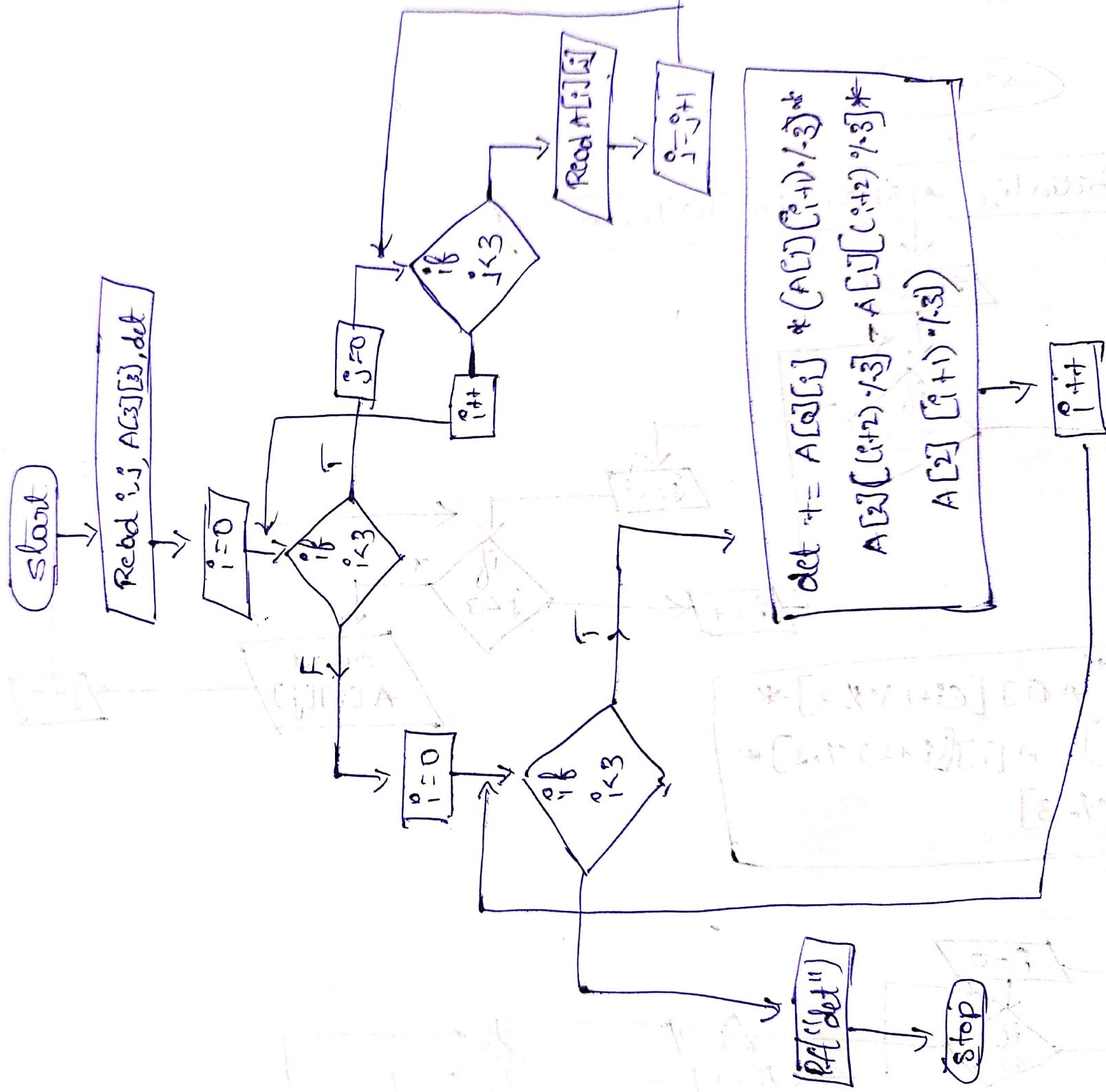
35 Ans

factorial



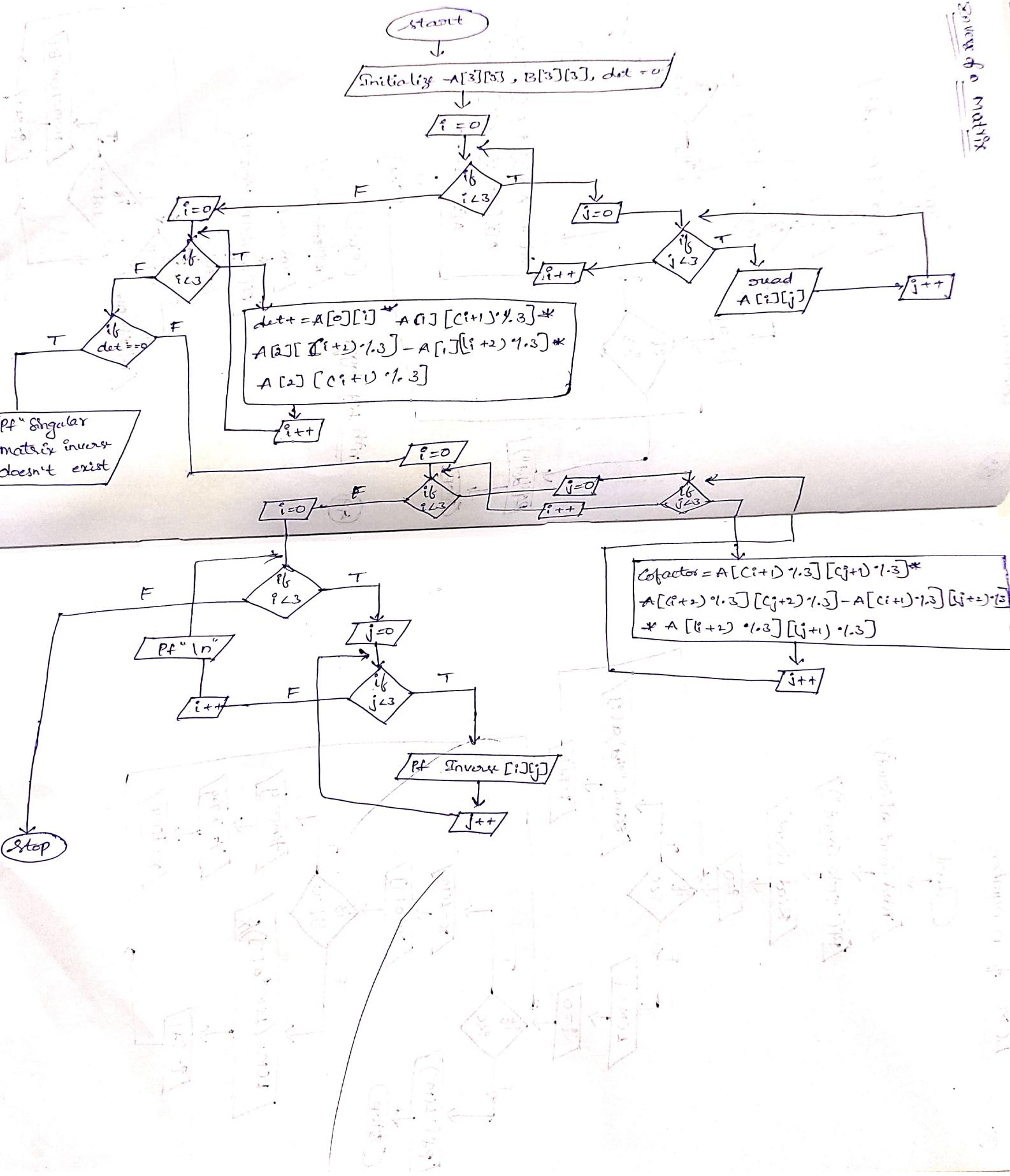
Determinant

(3)

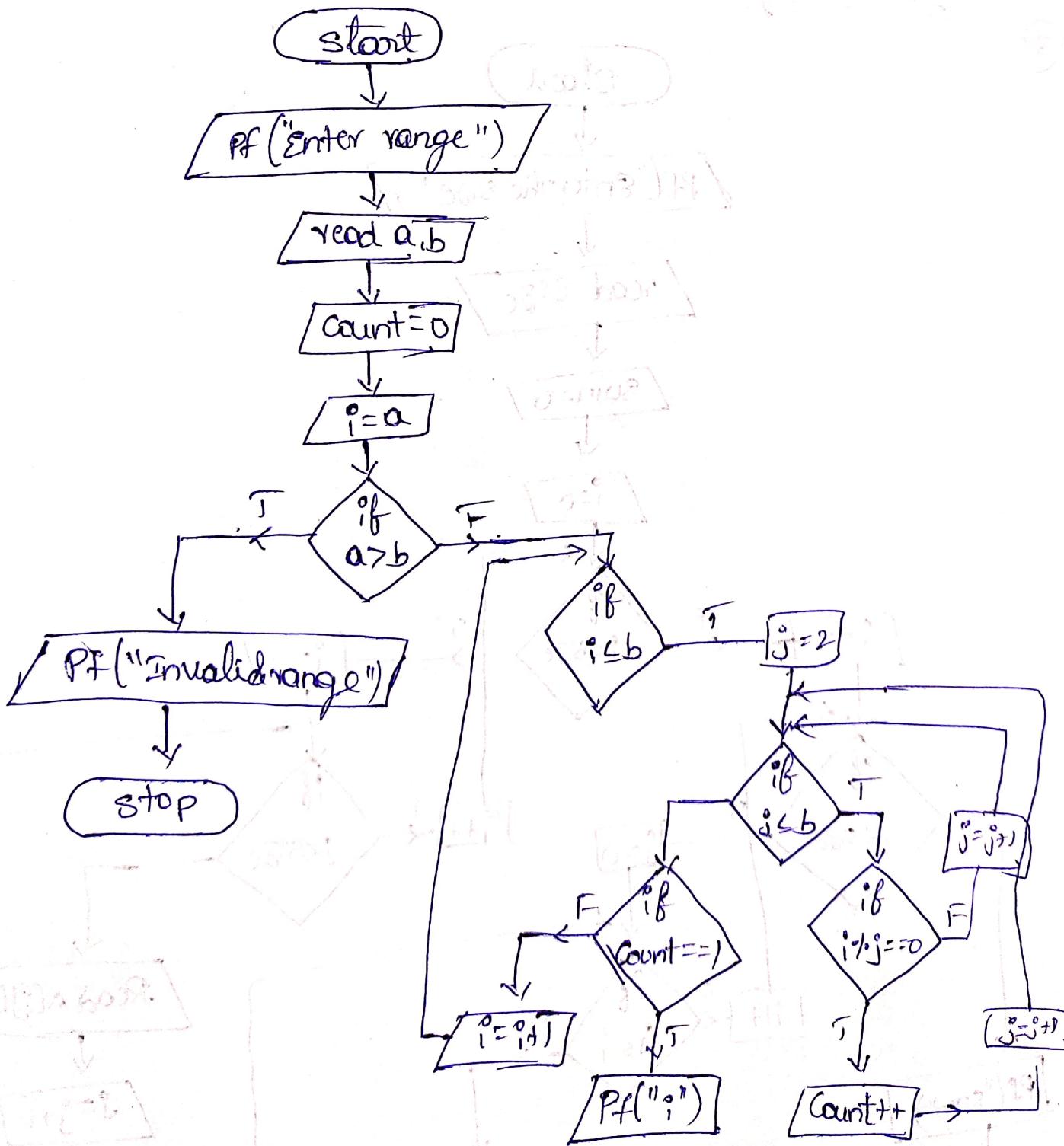


Inverse of a 3x3 Matrix

(Q3)

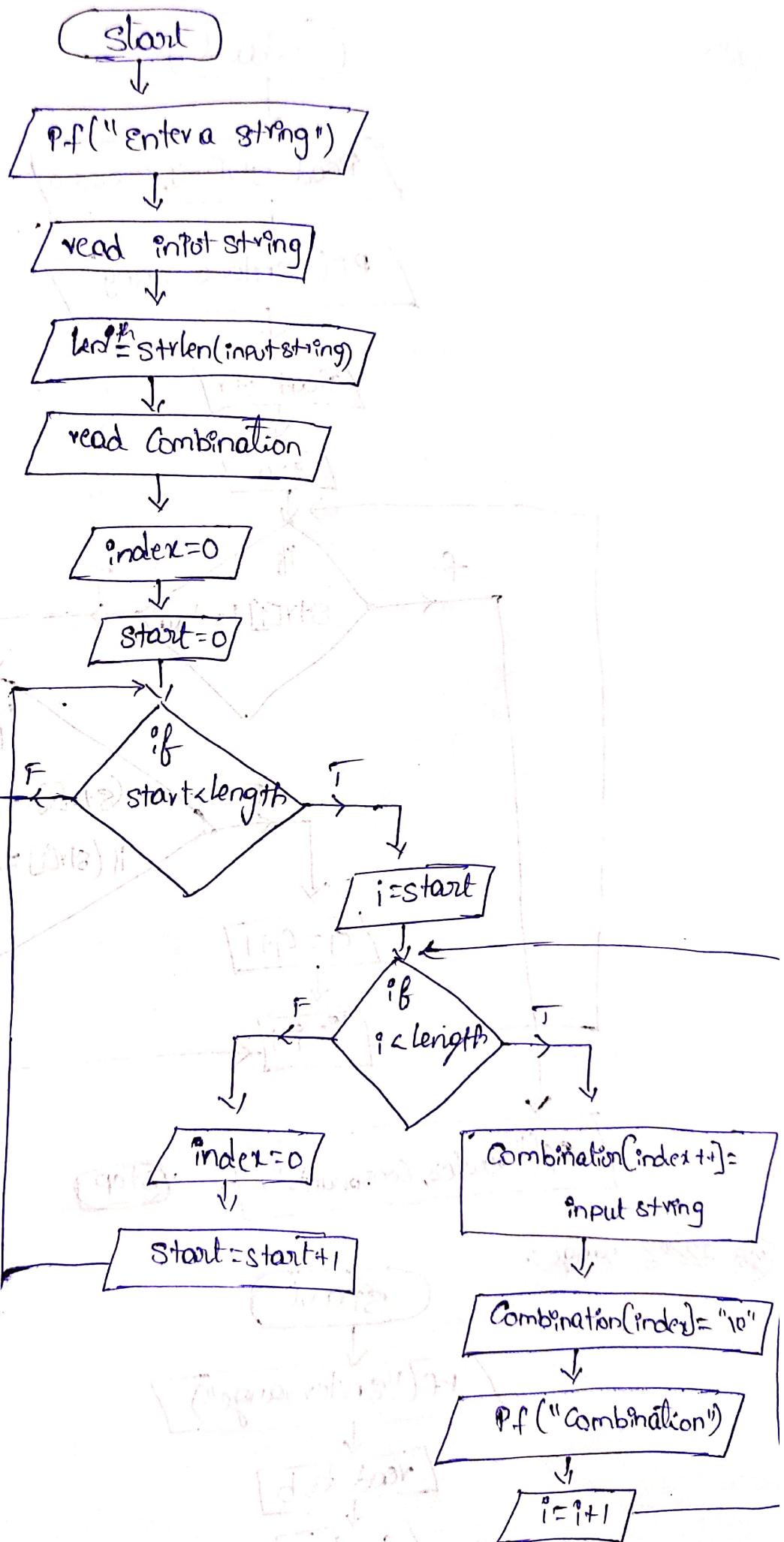


(53) Prime range :-

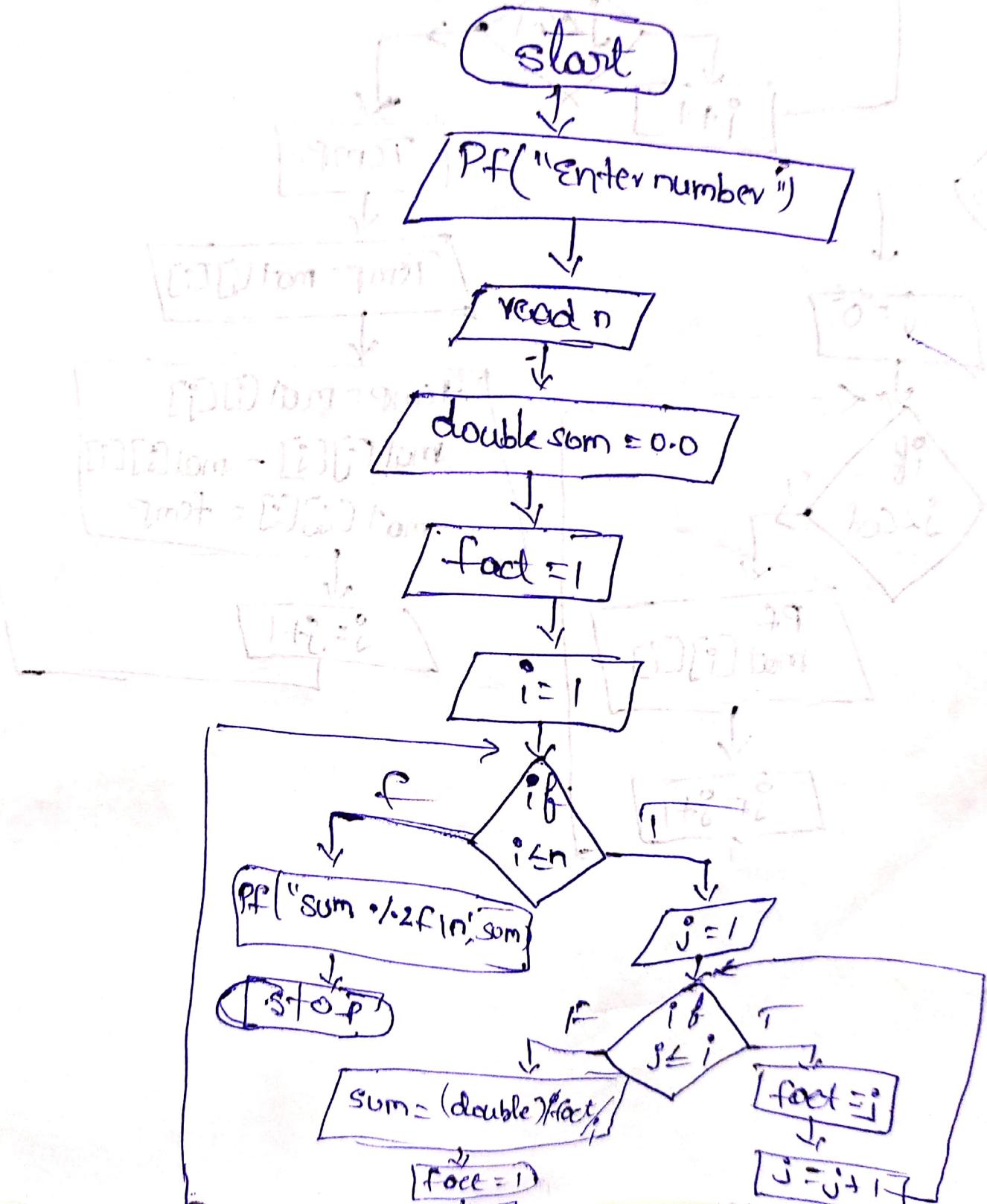


String Combination

(27)



$$\frac{1!}{1} + \frac{2!}{2} + \frac{3!}{3} + \dots + \frac{n!}{n}$$



String

Anagram

Start

P.F("len1, len2, i, j,
str1[14], str2[14], temp")

read str1, str2

len1 = str1.len(str1)
len2 = str2.len(str2)

if
len1 != len2

length is not
equal not
Anagram

i = 0

j = 0

i = 0

j = 0

i <= len1

j <= len2

if
str1[i] !=
str2[i]

i = i + 1

P.F not
Anagram

stop

i = i + 1

j = j + 1

temp = str2[i]

str2[i] = str1[i]

str1[i] = temp

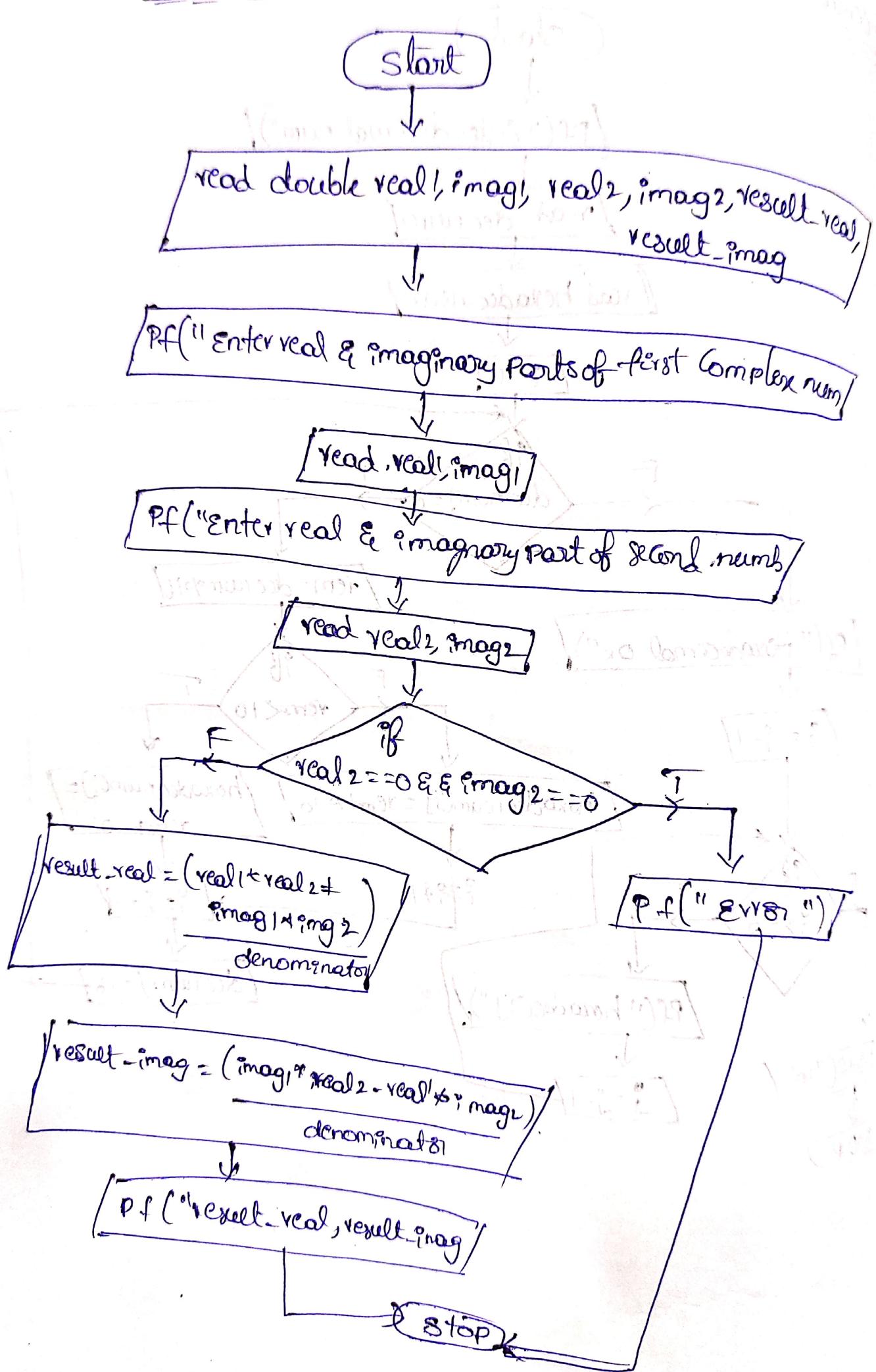
temp = str1[i]

str1[i] = str2[i]

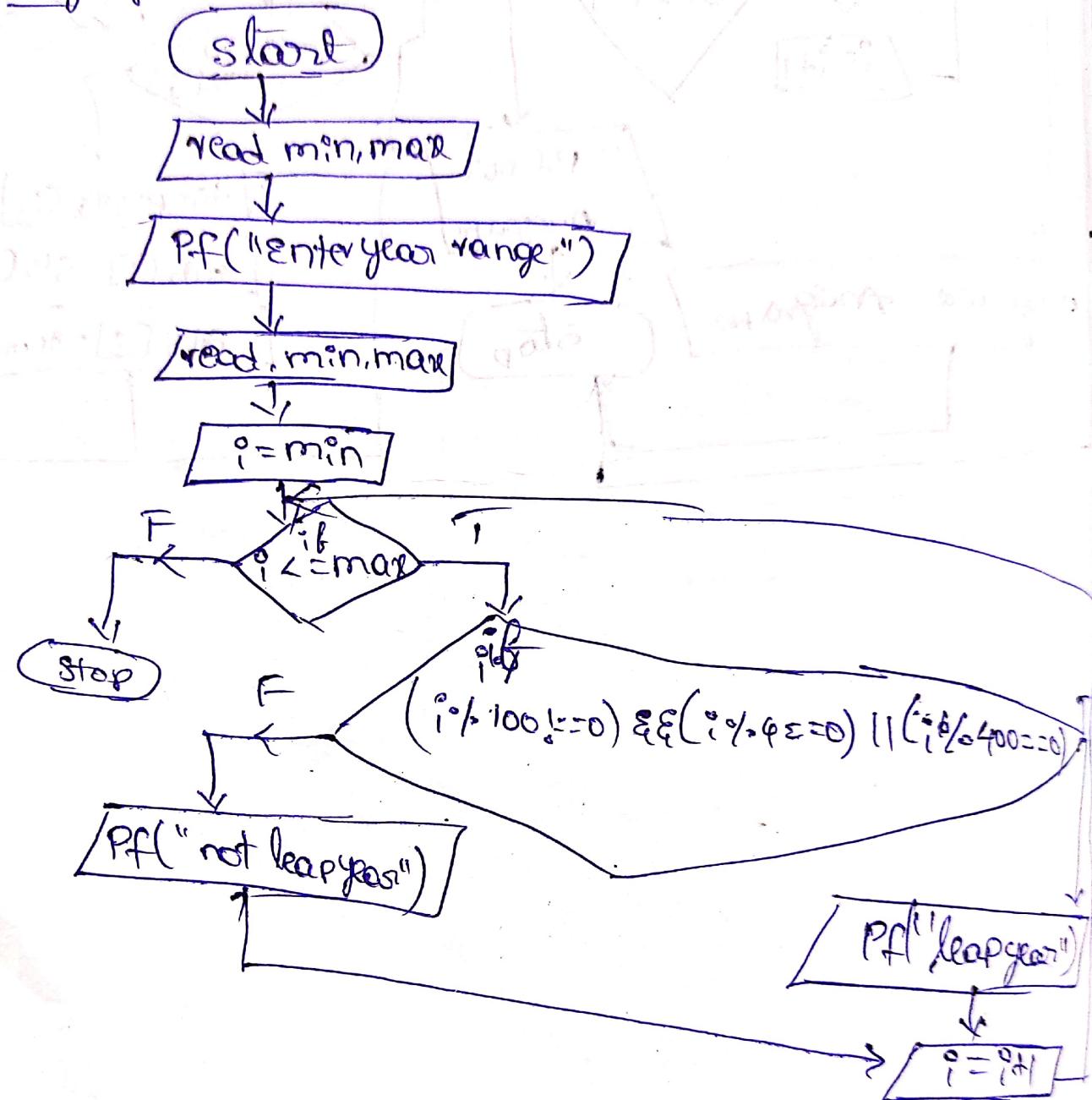
str2[i] = temp

strings are Anagram

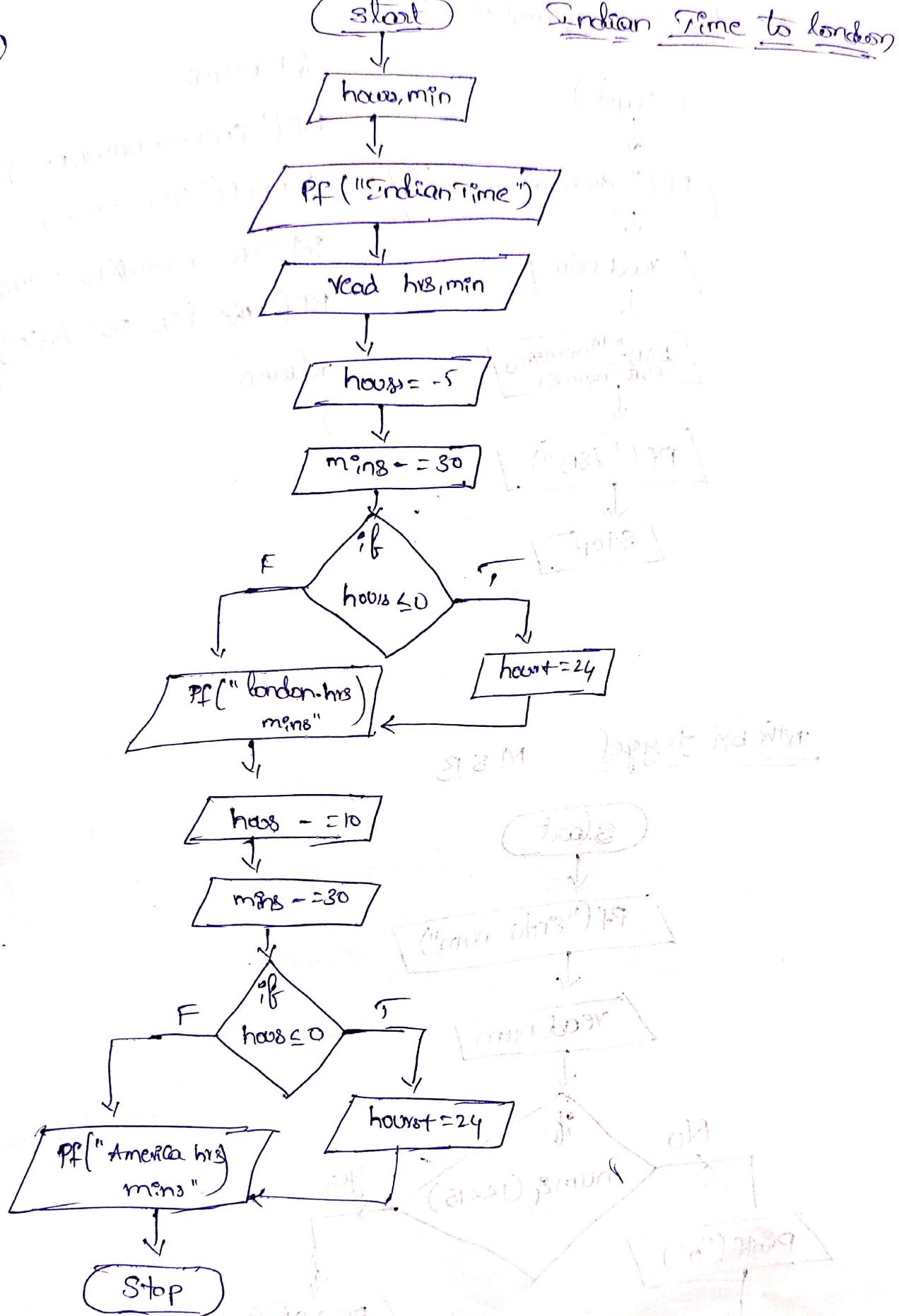
0° Divide Complex



leap year range :-

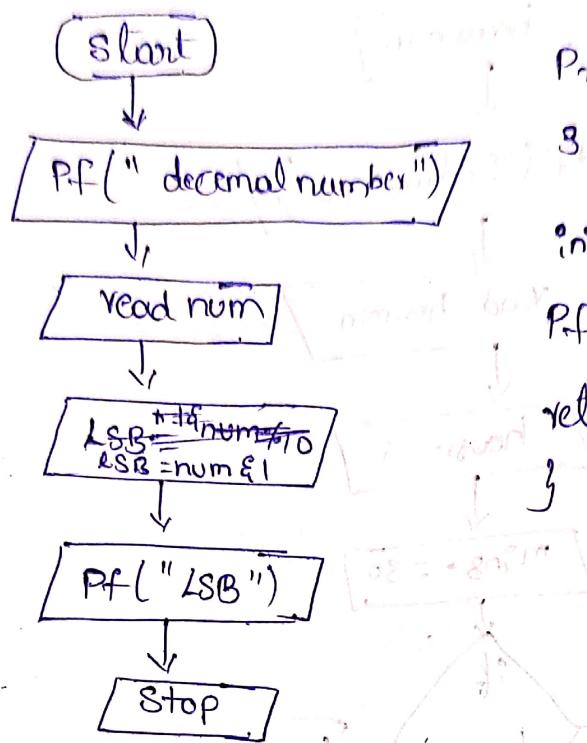


44



(45)

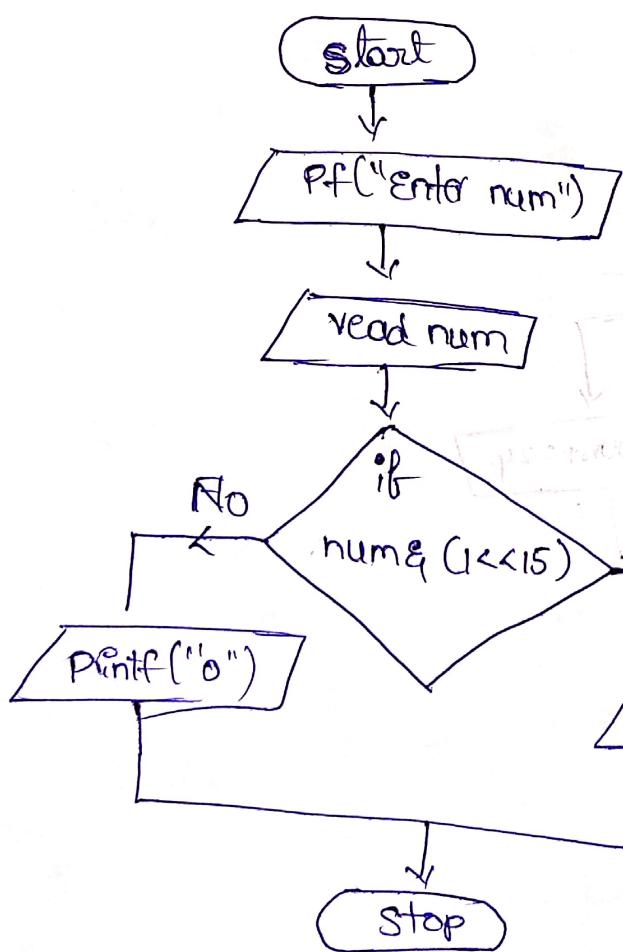
L.S.B Least significant bit



int num;

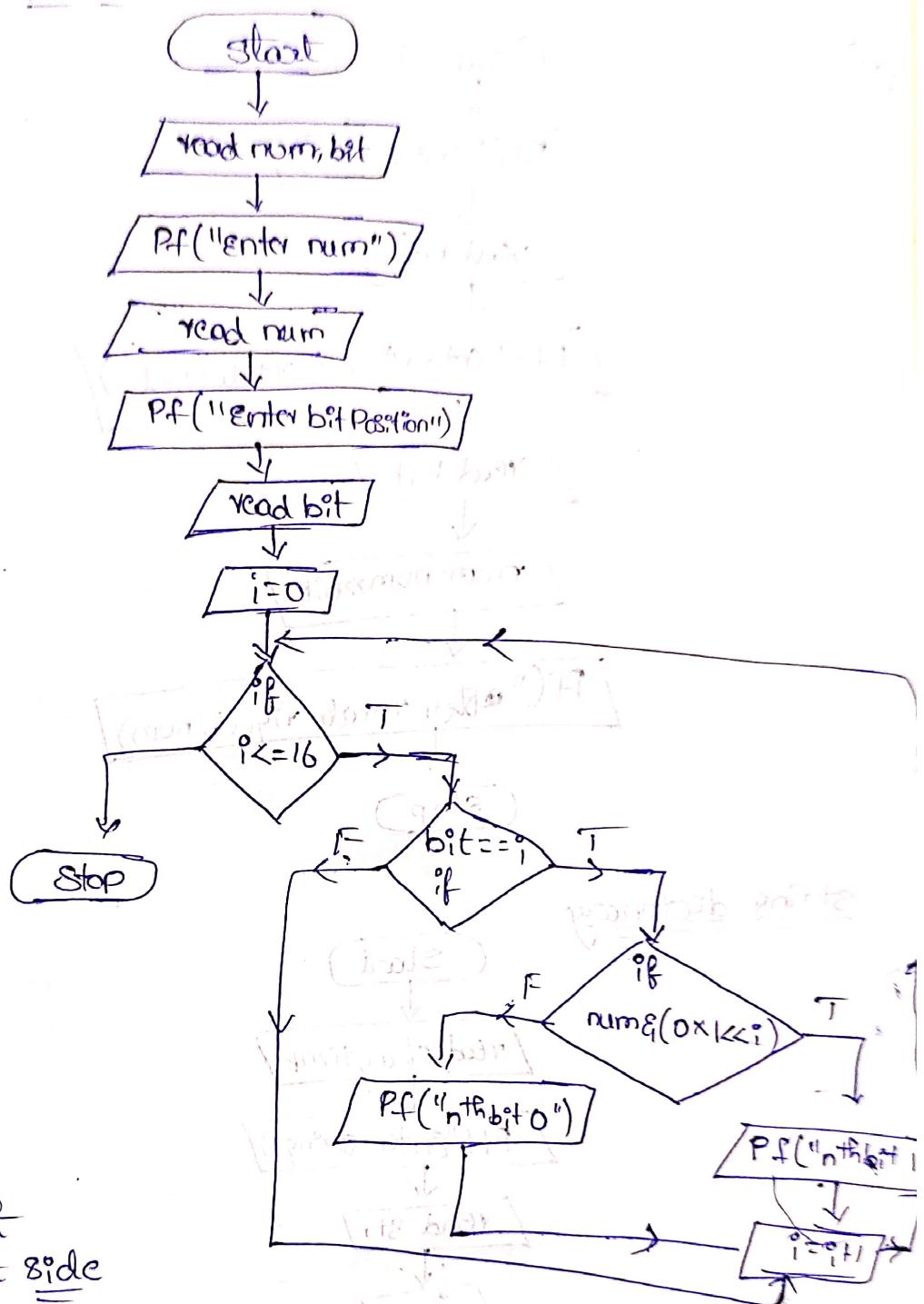
Pf ("Enter a number");
scanf ("%d", &num);int LSB = num % 10; num & 1;
Pf ("The LSB is %d", lsb);
return 0;

(46)



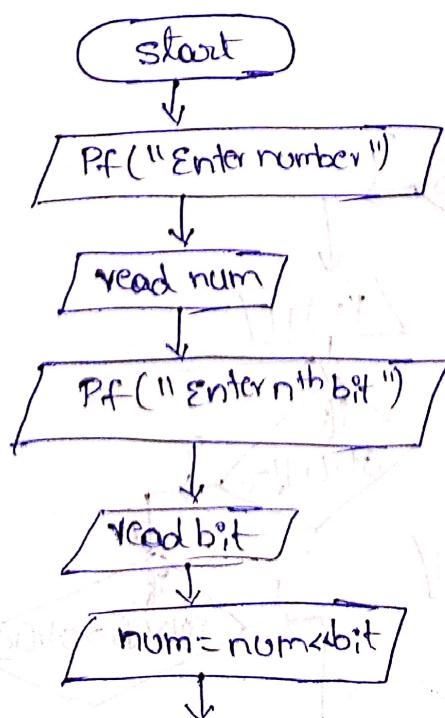
nth bit status

(217)

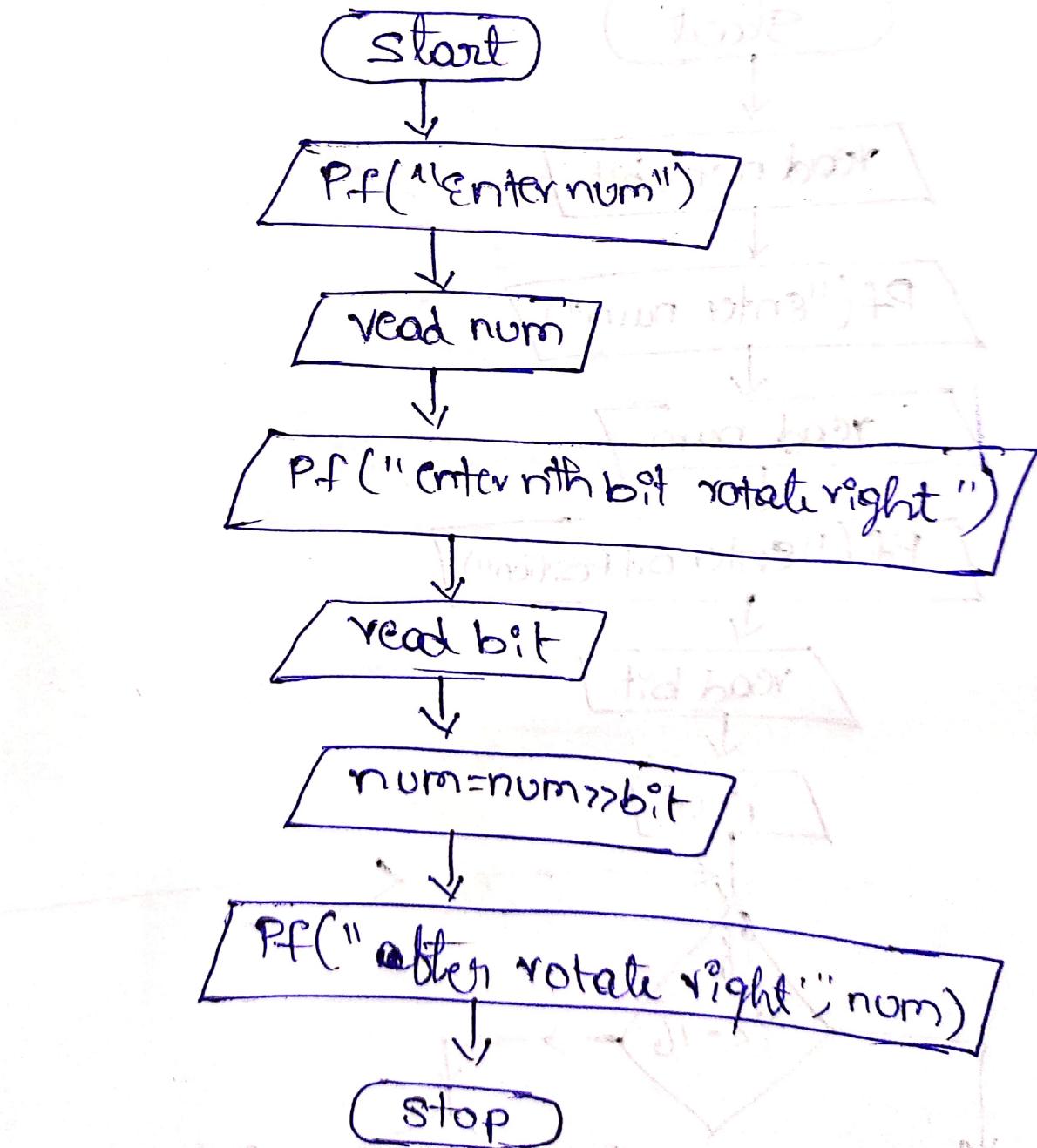


(218)

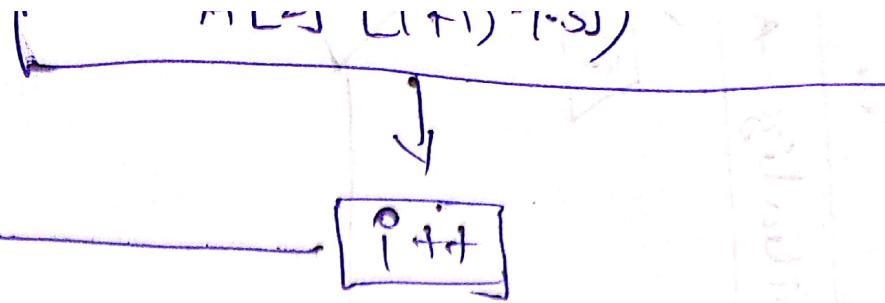
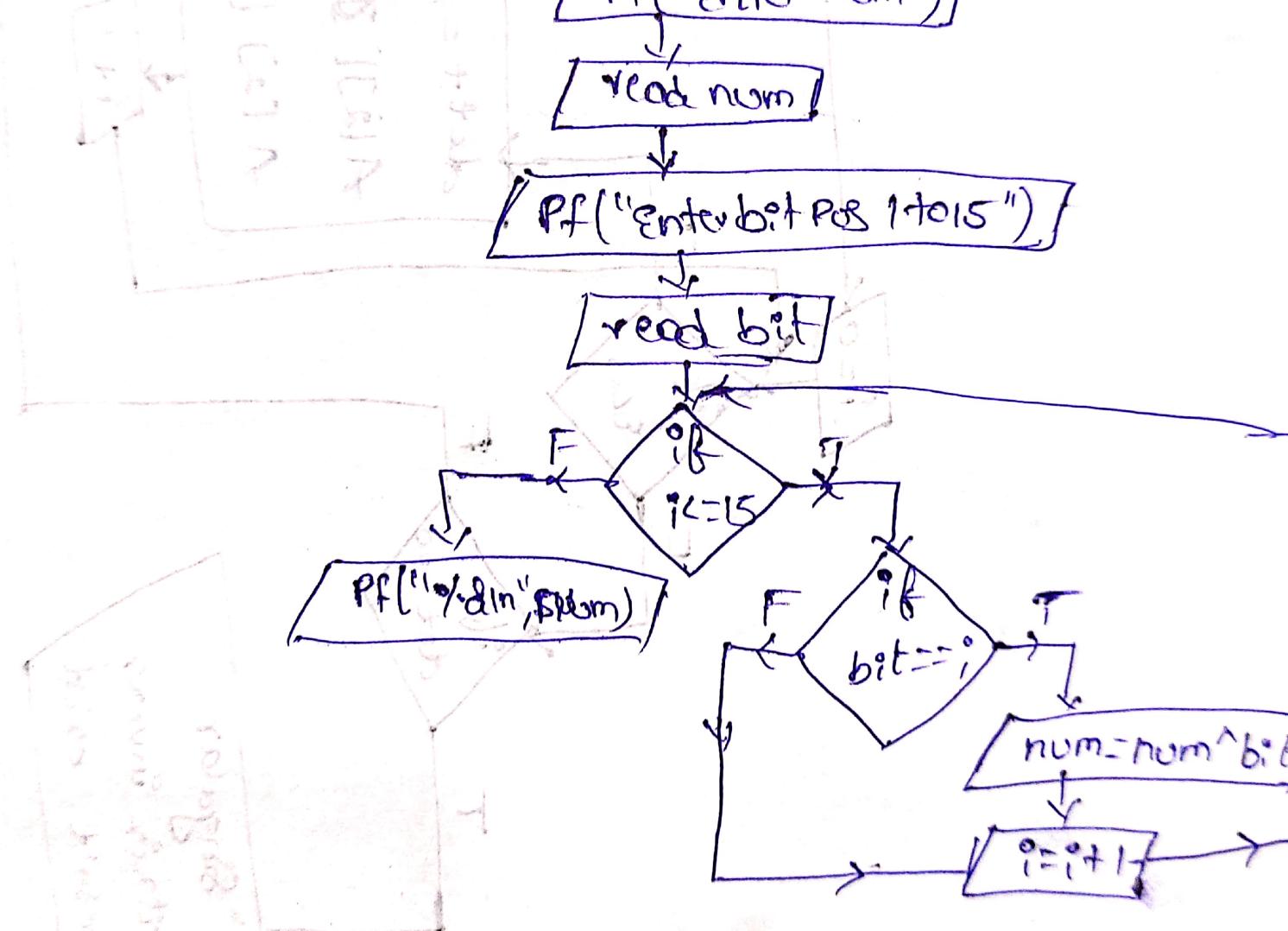
nthbit left right side



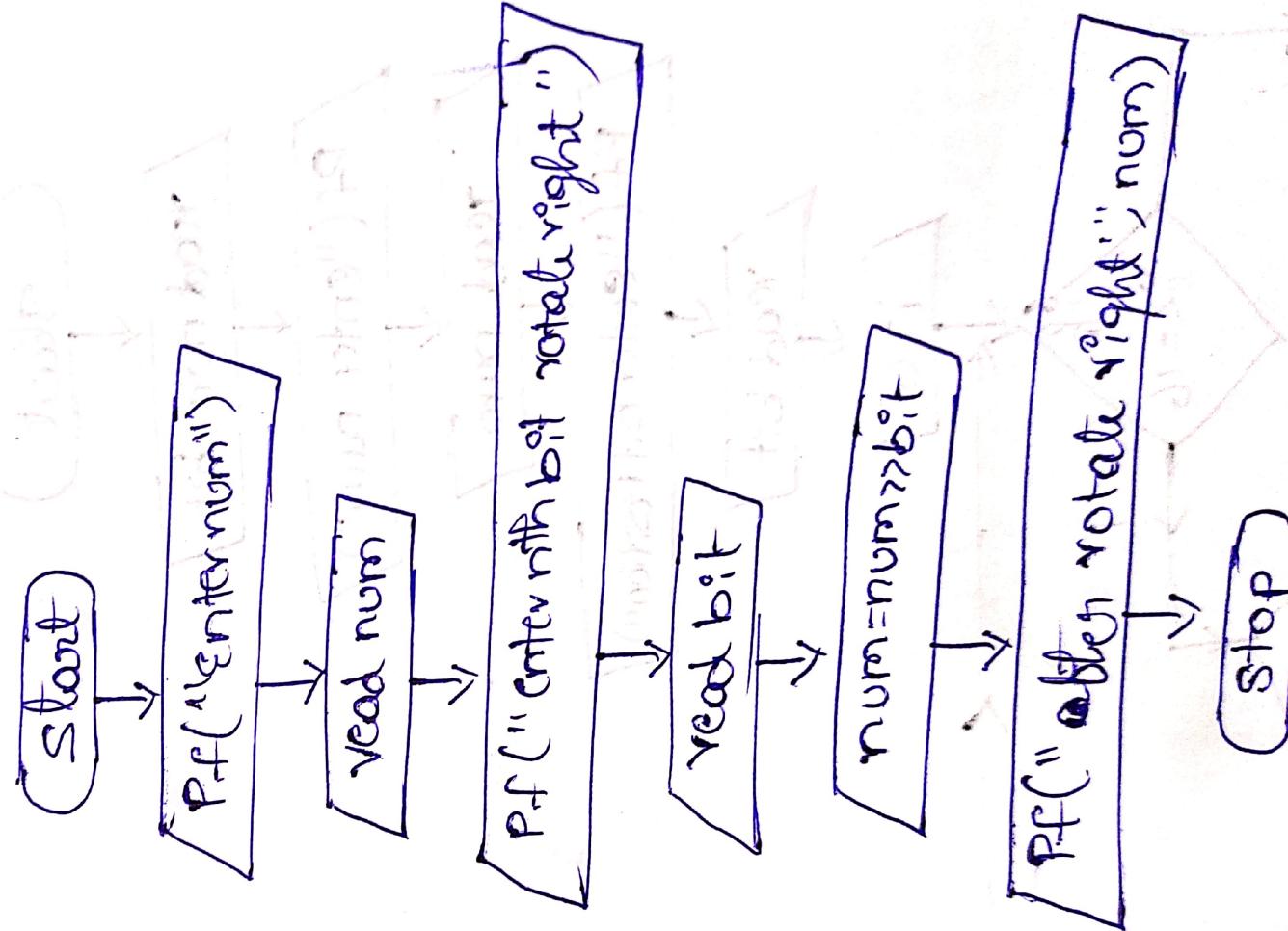
nth bit left side



string direction



nth bit left side



(50)

Date = no. of days

(51)

start

PF("Enter 1st date")

Read d₁, m₁, y₁

PF("Enter 2nd date")

Read d₂, m₂, y₂

days b/w = 0

days b/w + = (y₂ - y₁) * 360

days b/w + = (m₂ - m₁) * 30

days b/w + = (d₂ - d₁)

Print "days b/w")

stop