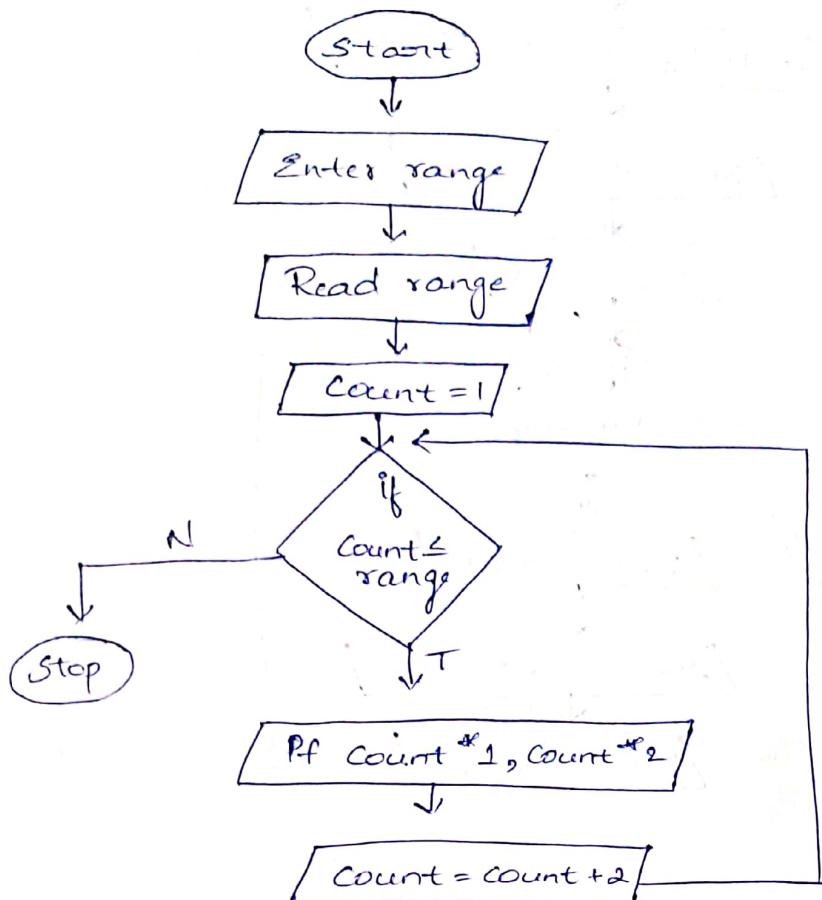
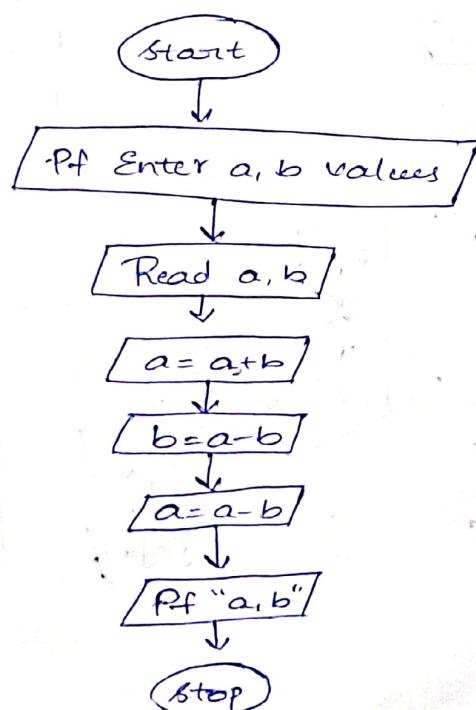


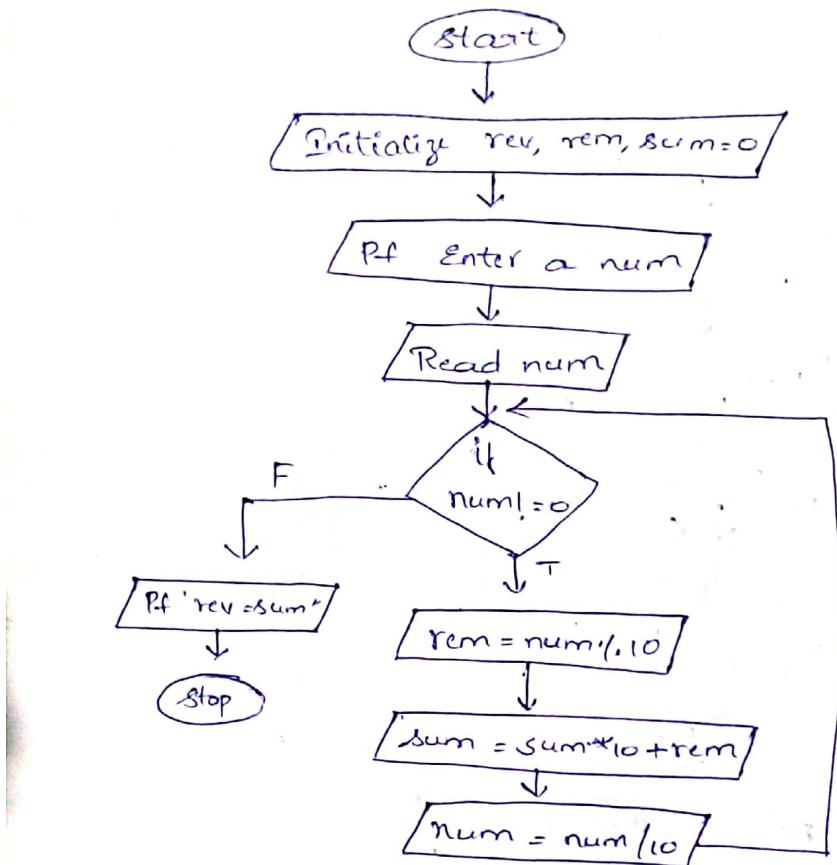
1, 2, 3, 6, 5, 10, 7, 14, 9, 18, ...



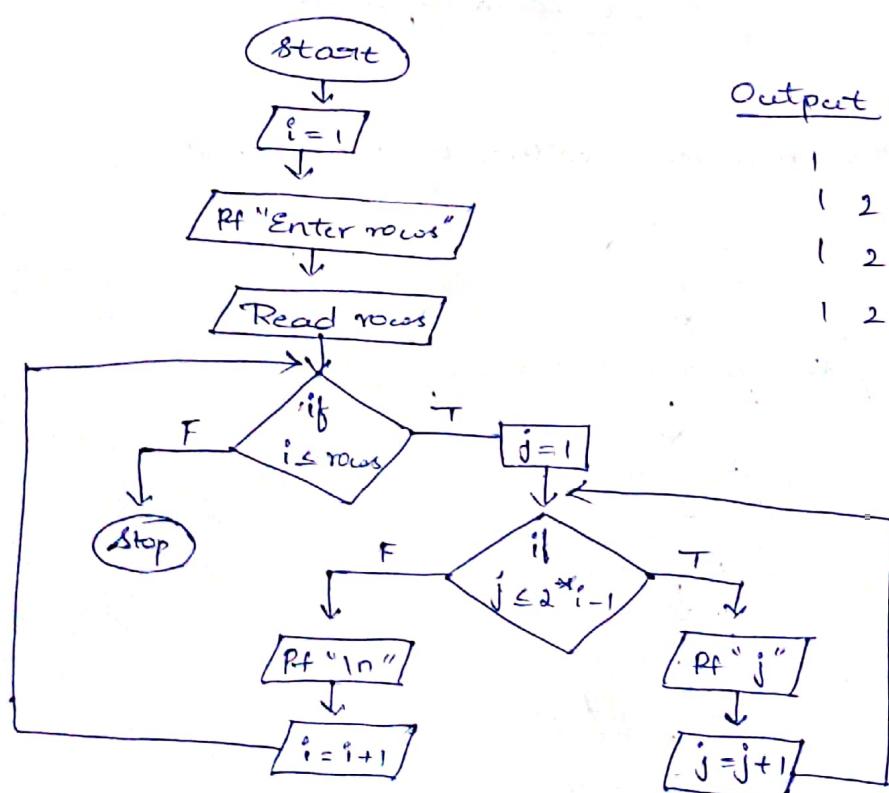
Swapping two numbers without temp variable



3. Reverse a Number



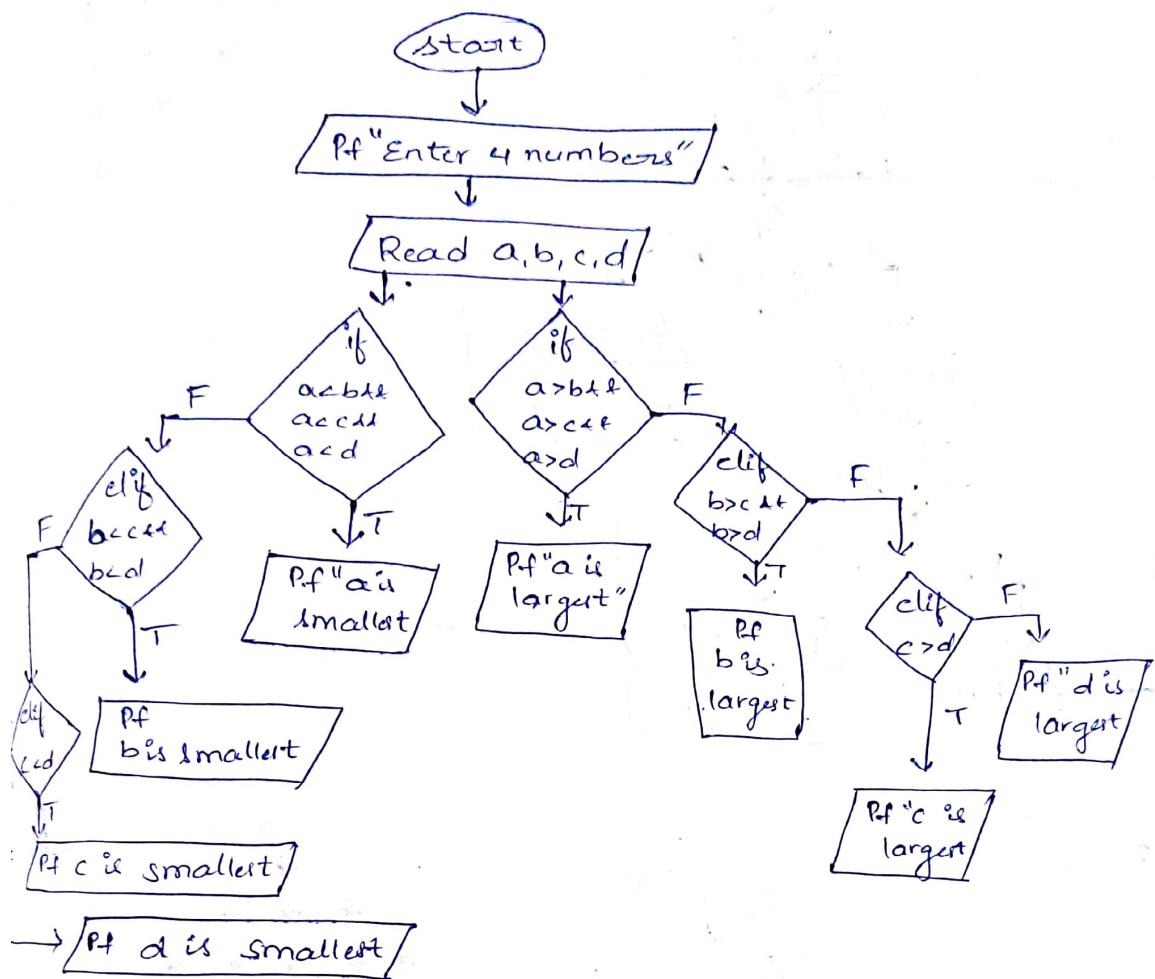
4.



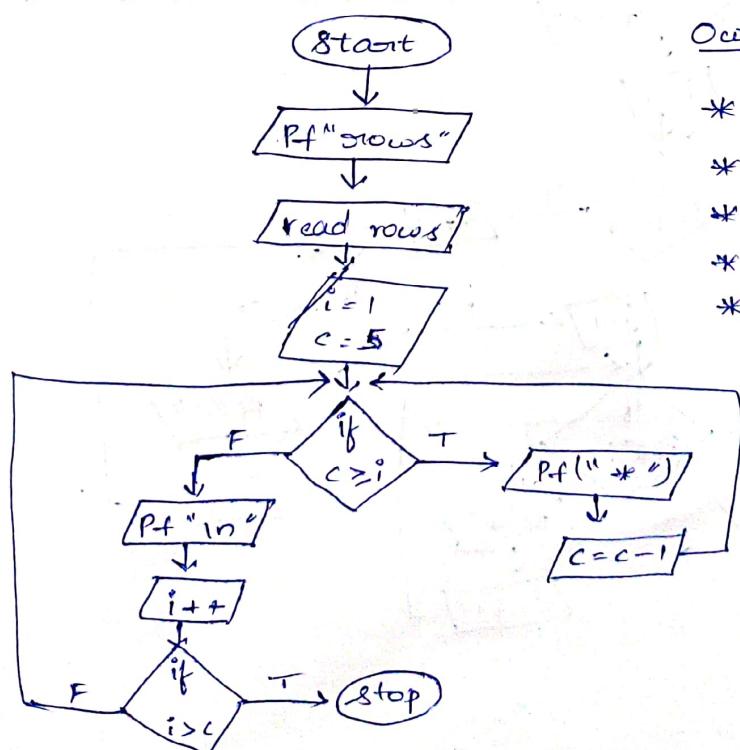
Output :-

1
 1 2 3
 1 2 3 4 5
 1 2 3 4 5 6 7

largest number & smallest number among 4 numbers

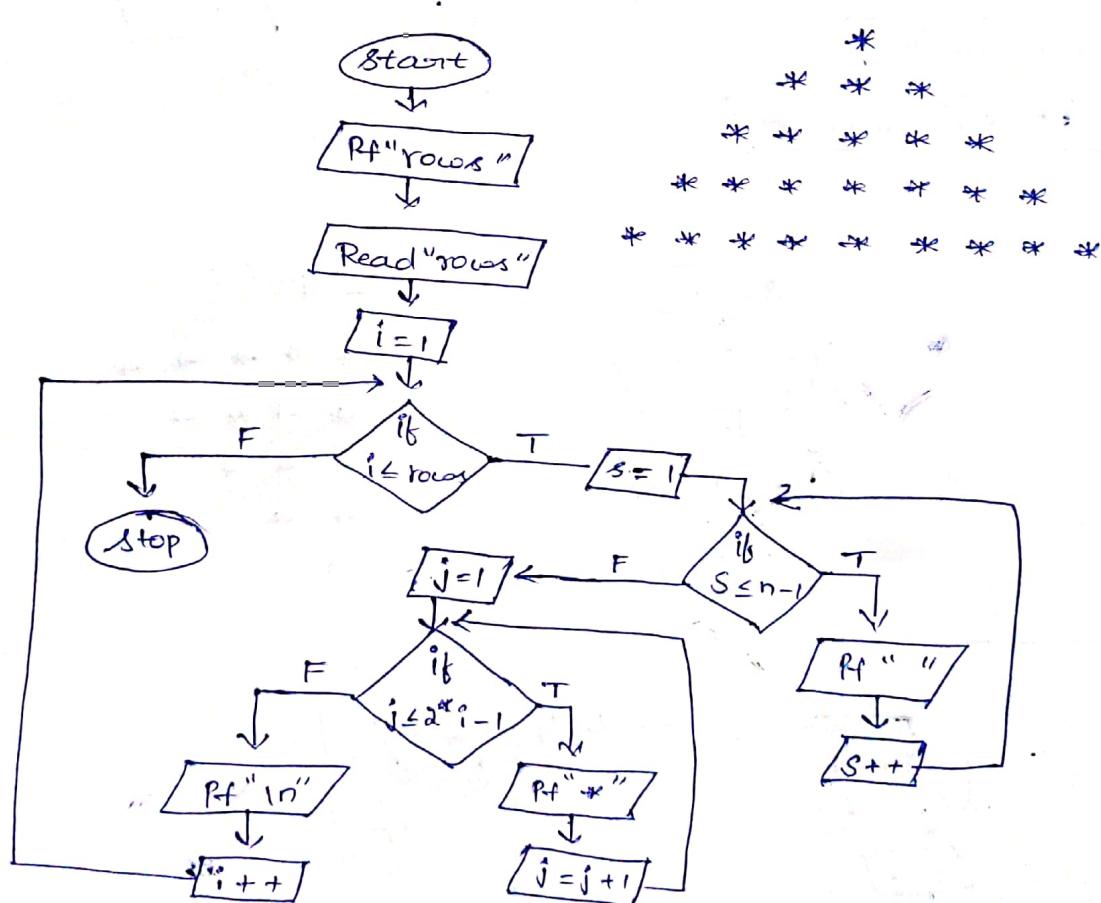
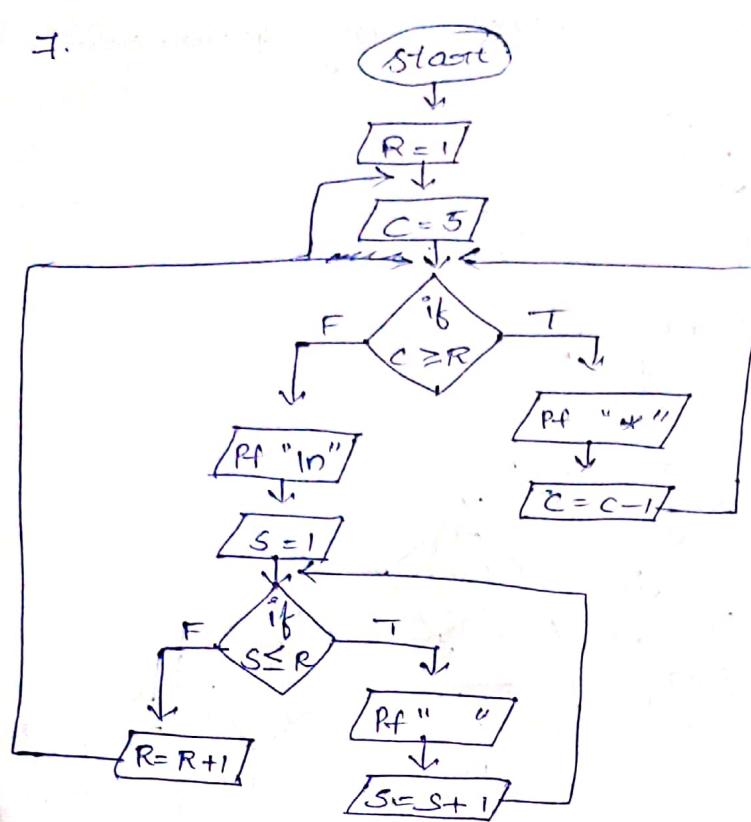


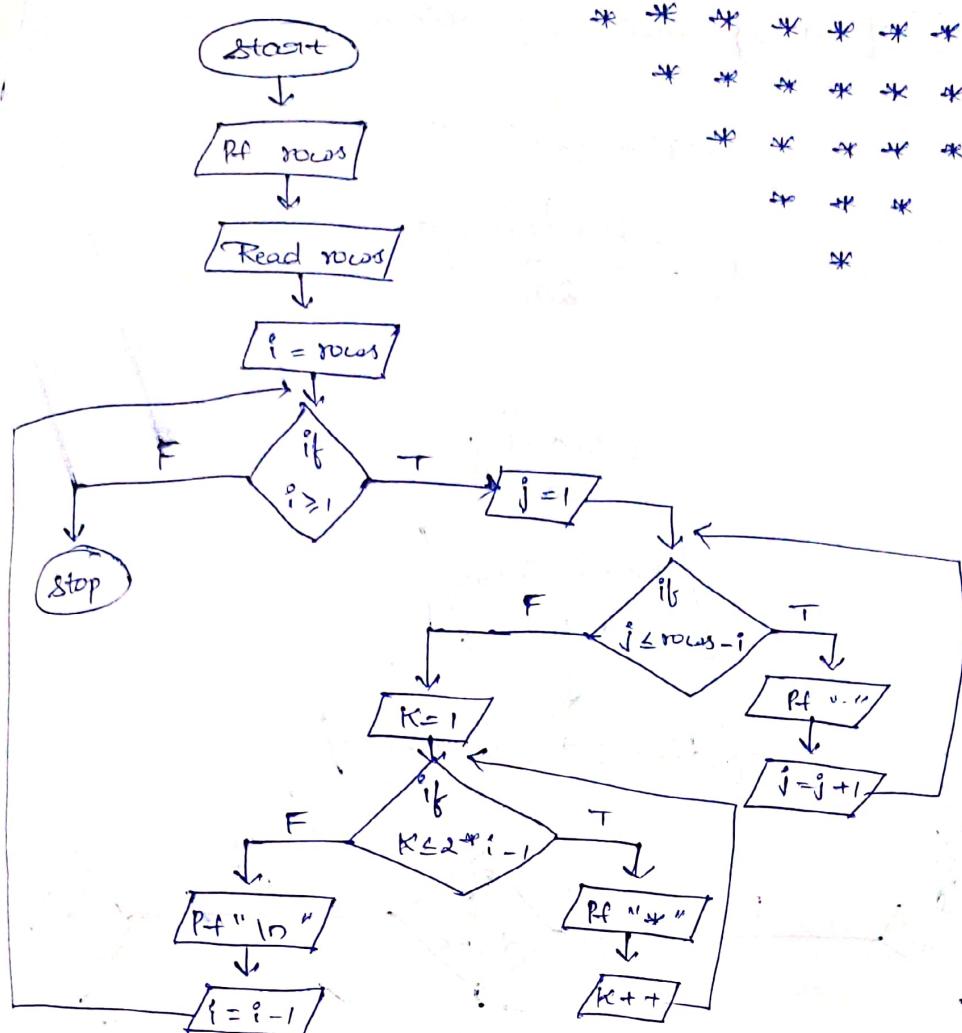
6.



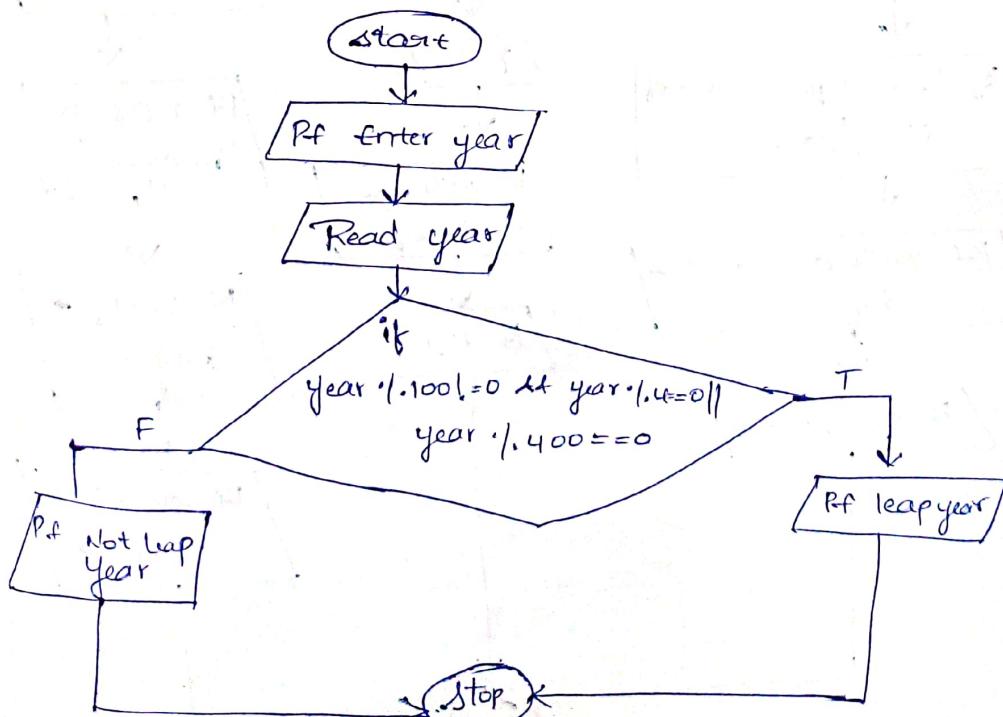
Output :-

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





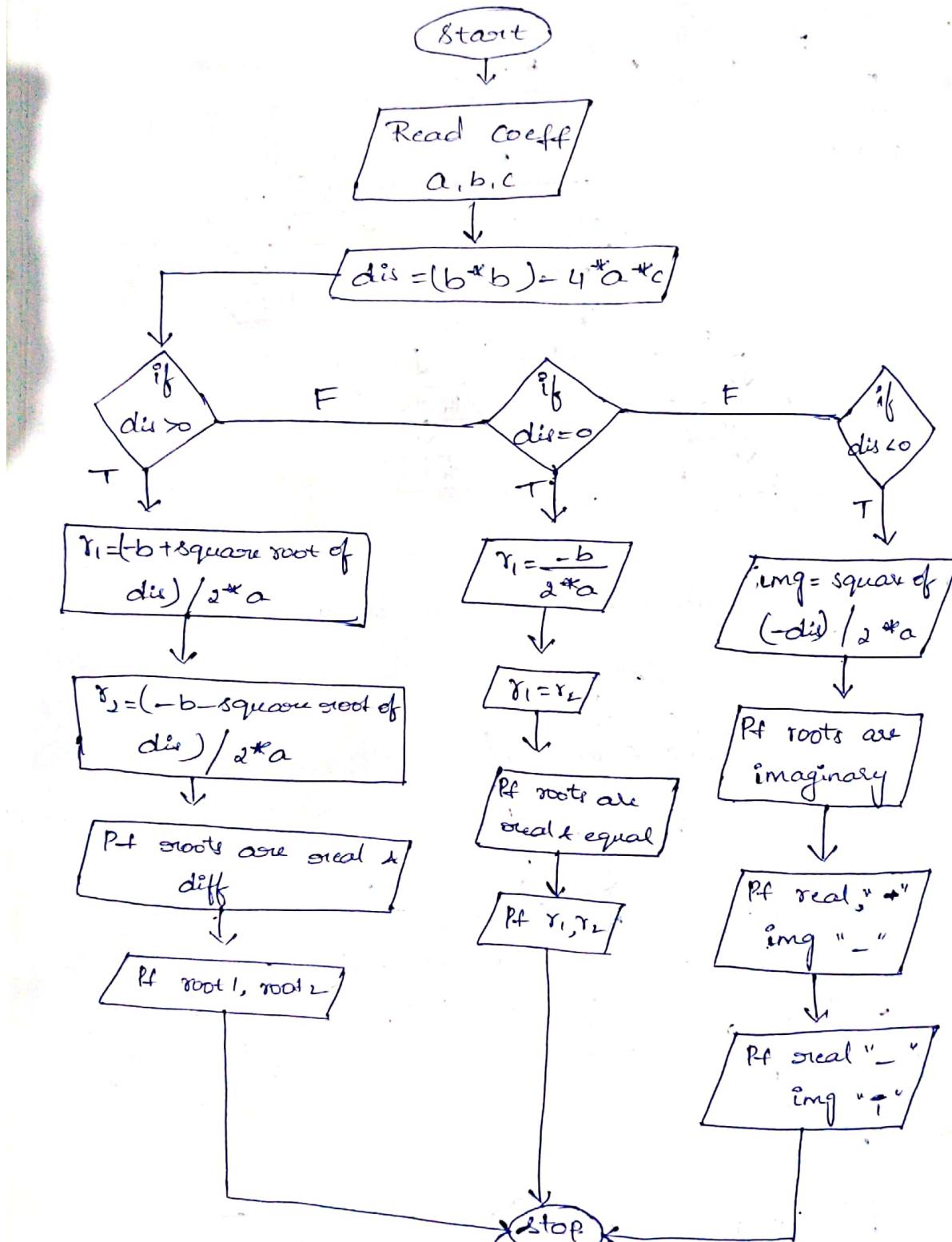
b. find given number is leap year or not.



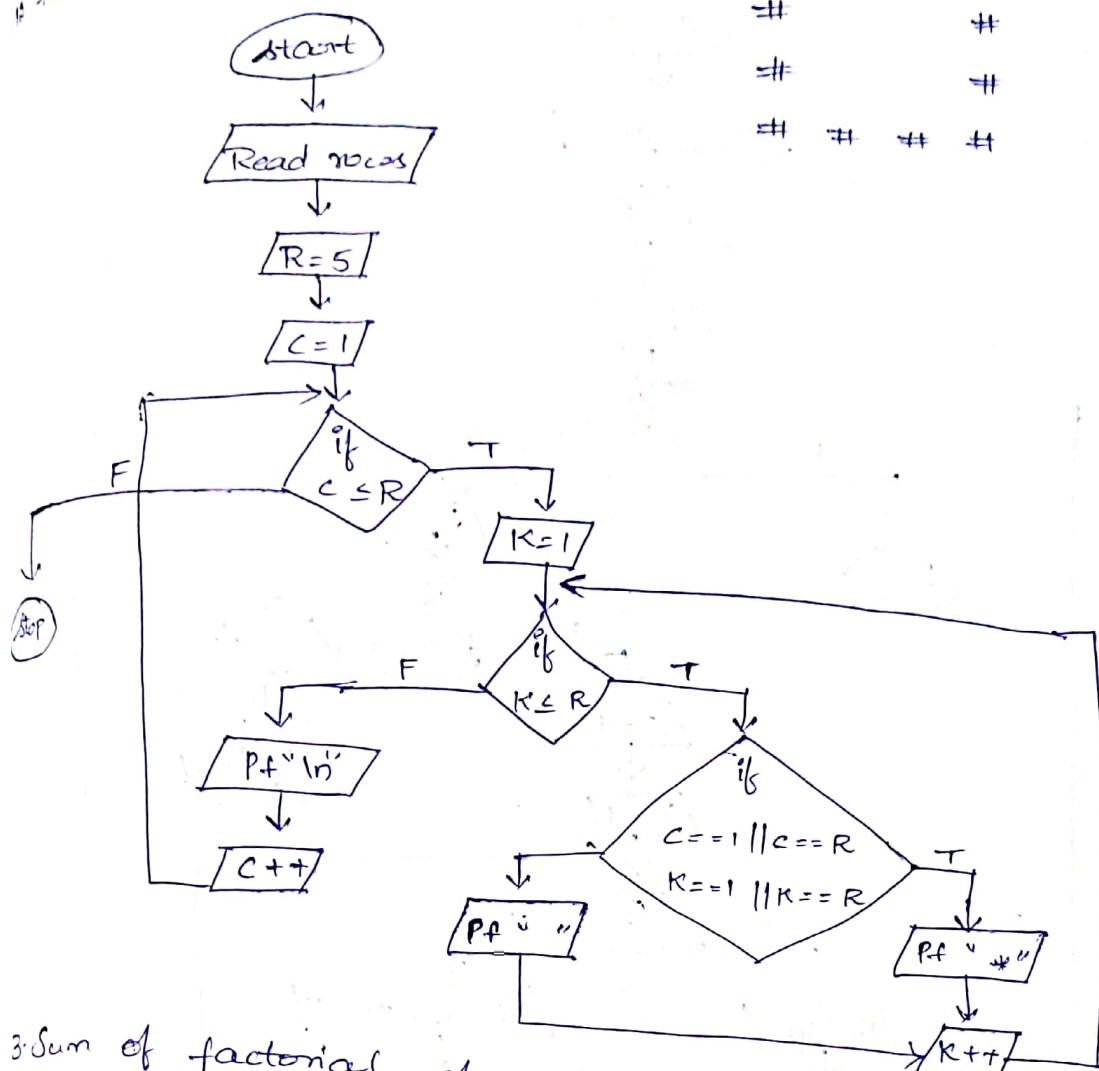
11. Roots of a quadratic equation

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

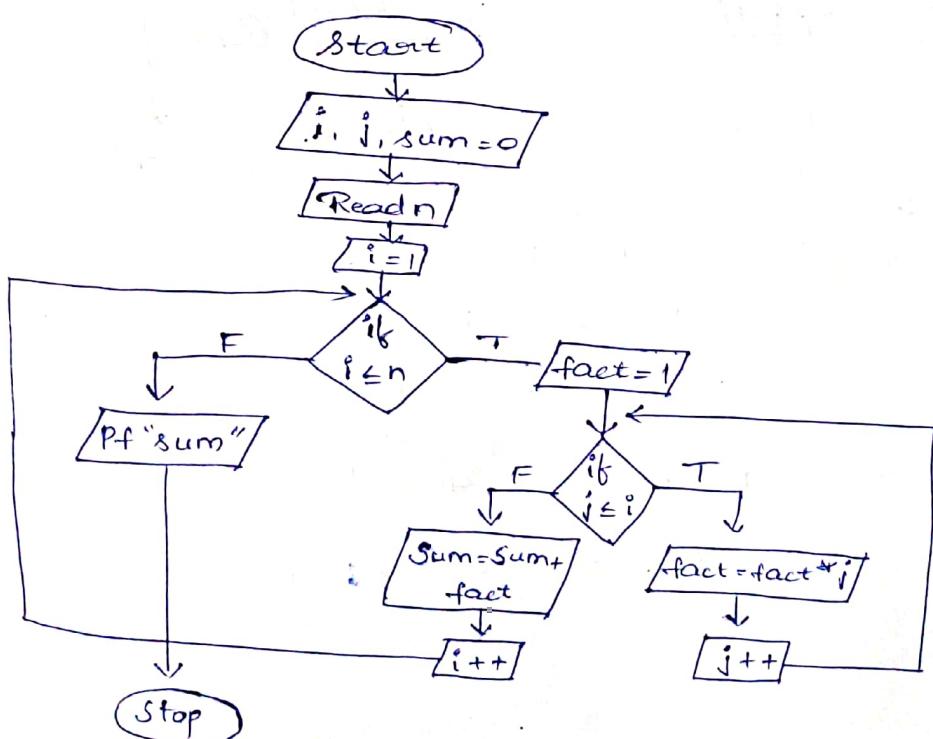
$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



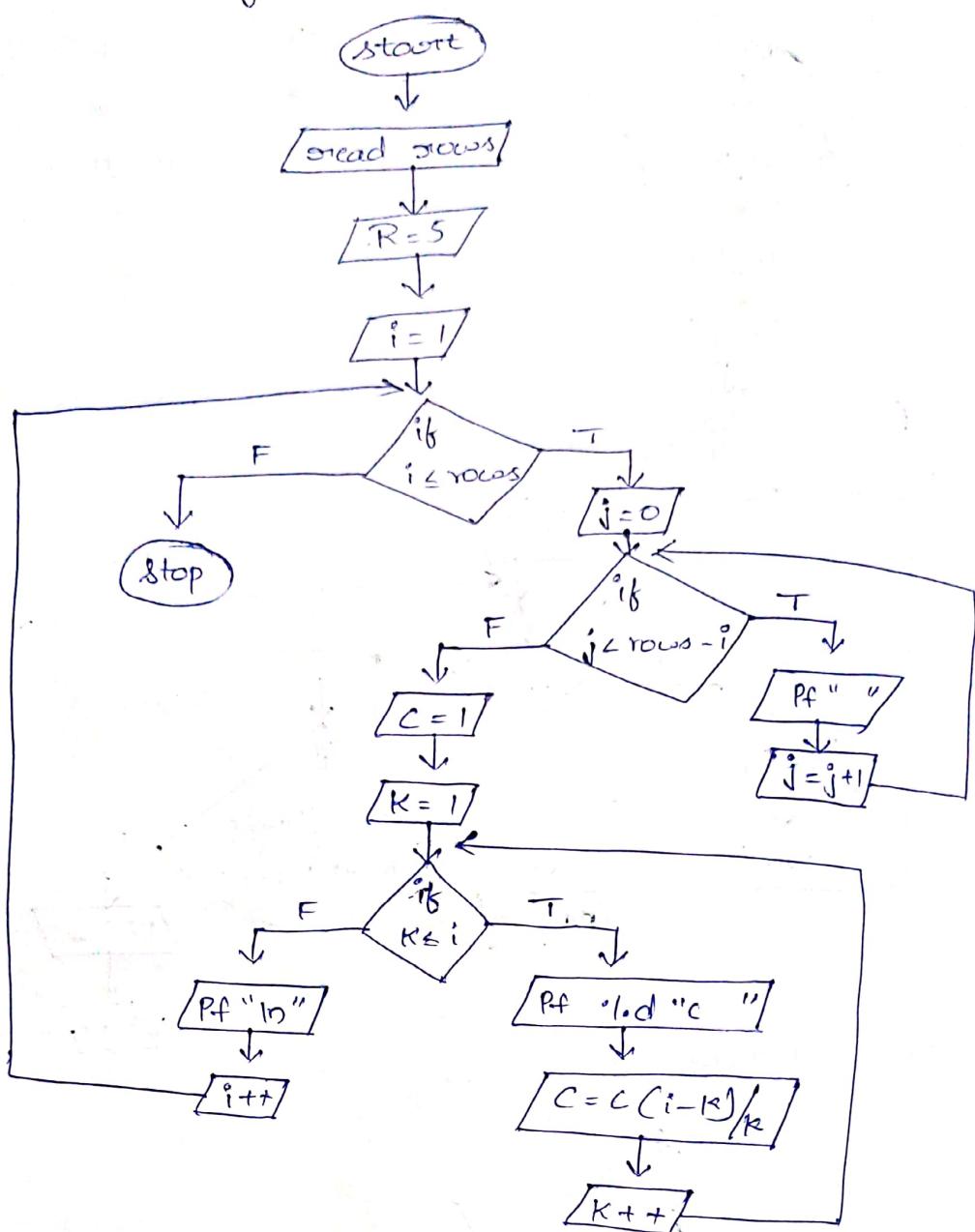
hollow square



3: Sum of factorial of series



14. Pascal Triangle

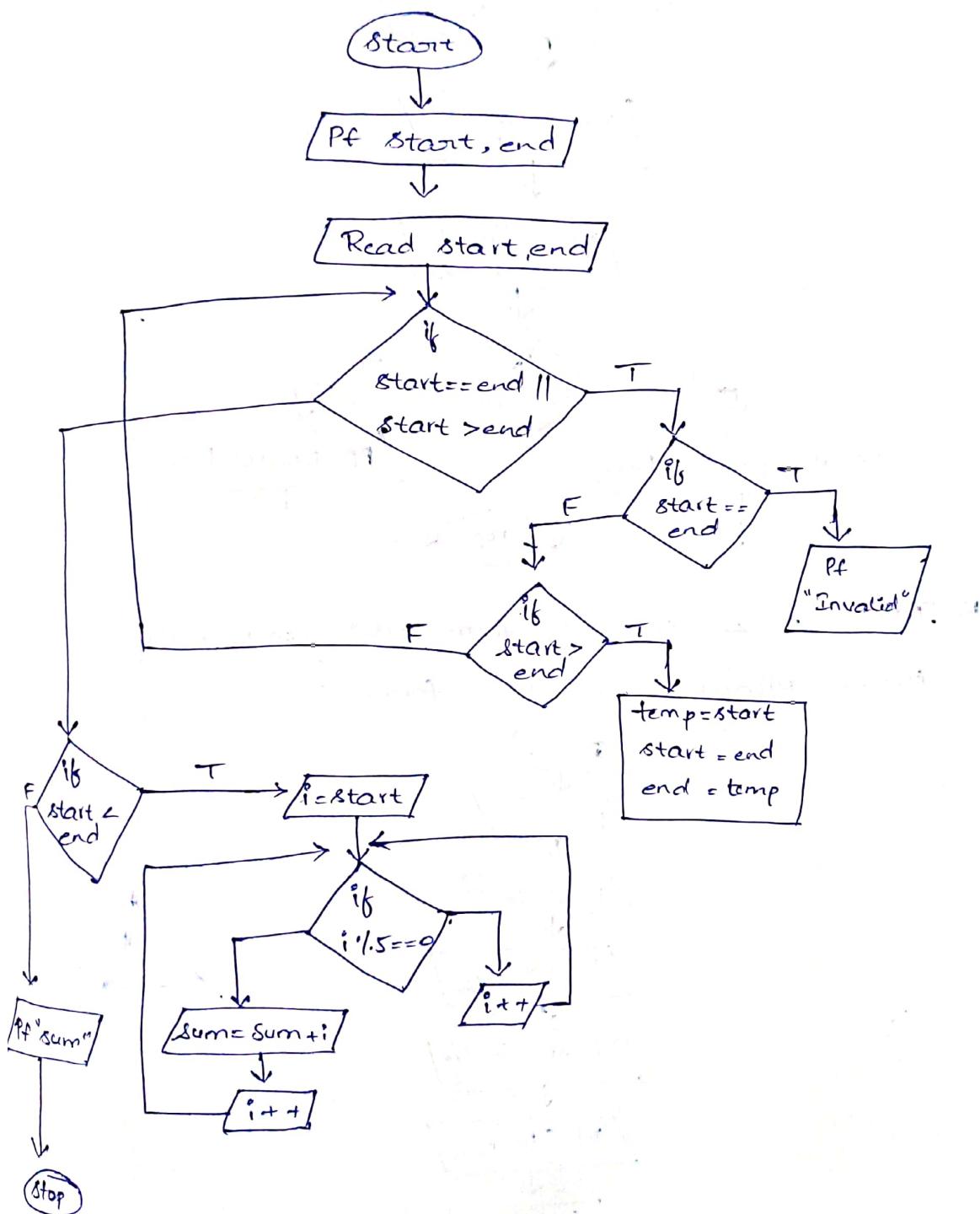


Output :-

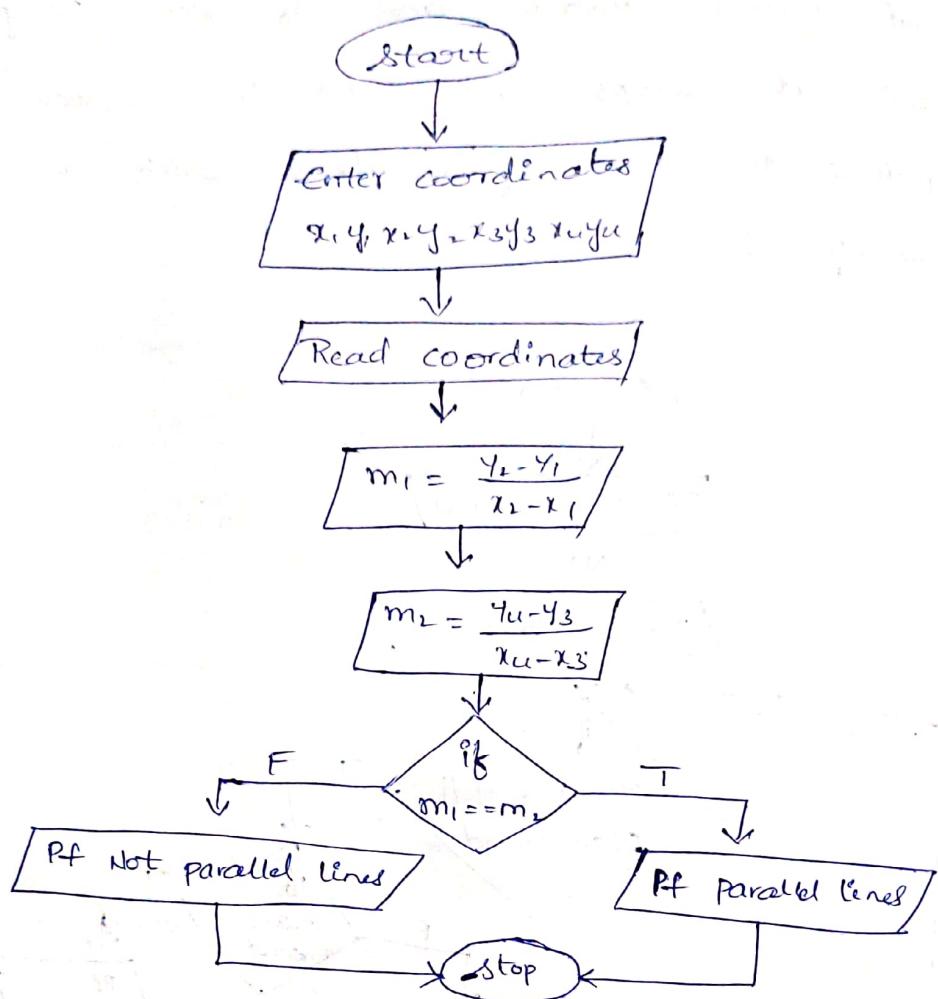
```

      1
      1 1
      1 2 1
      1 3 3 1
      1 4 6 4 1
      1 5 10 10 5 1
  
```

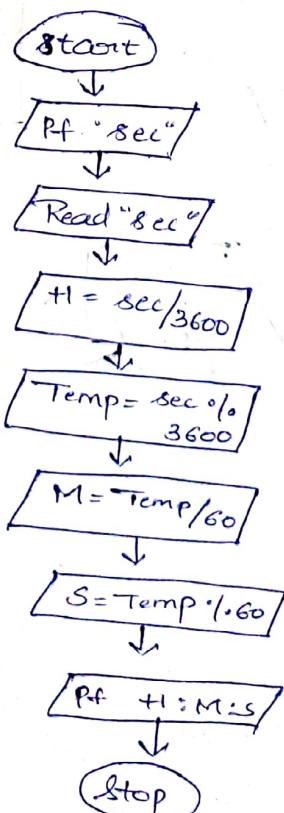
Take two ranges from user if start is equal to end it shows invalid and if start is greater than end it swaps and start is less than end and prints the sum of numbers which are not divisible by 5.



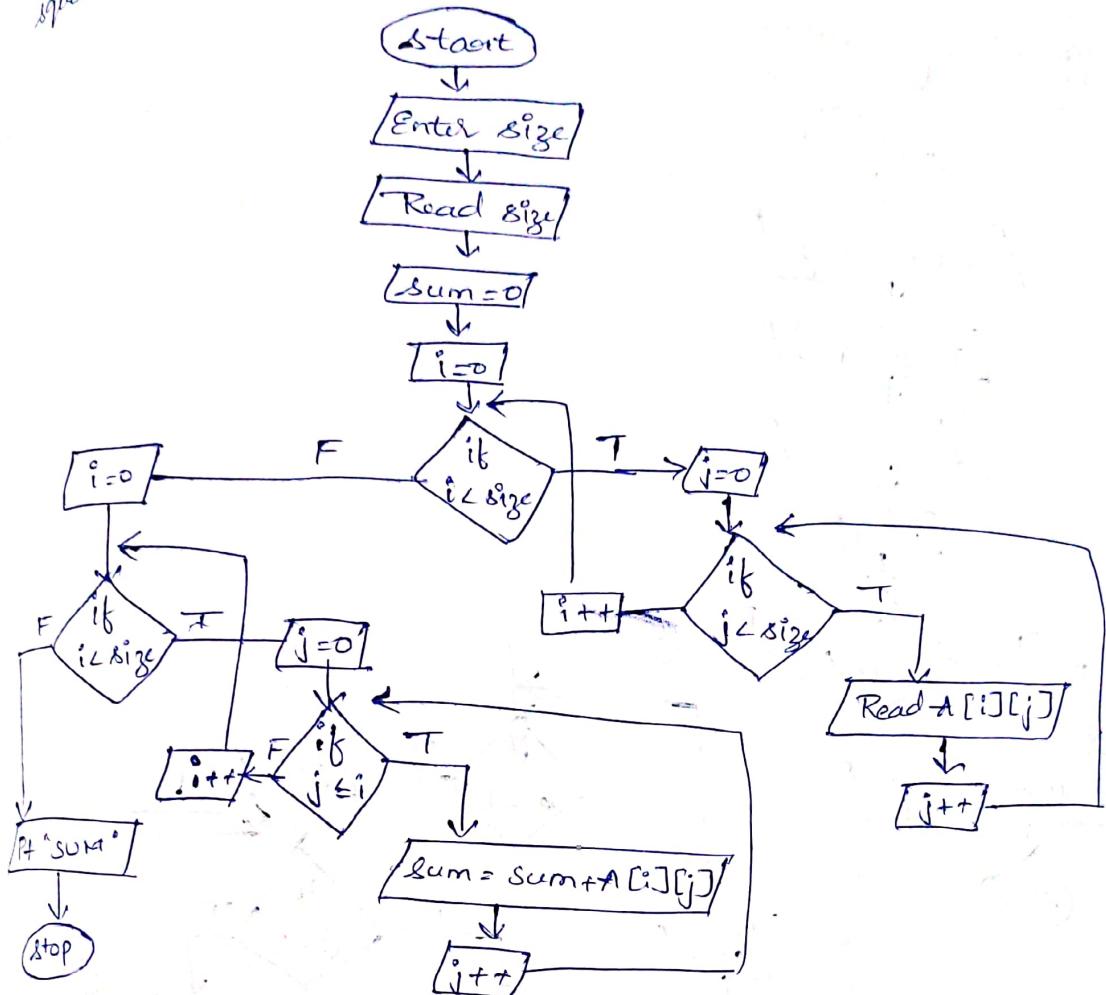
16. Check whether two lines are parallel or not.



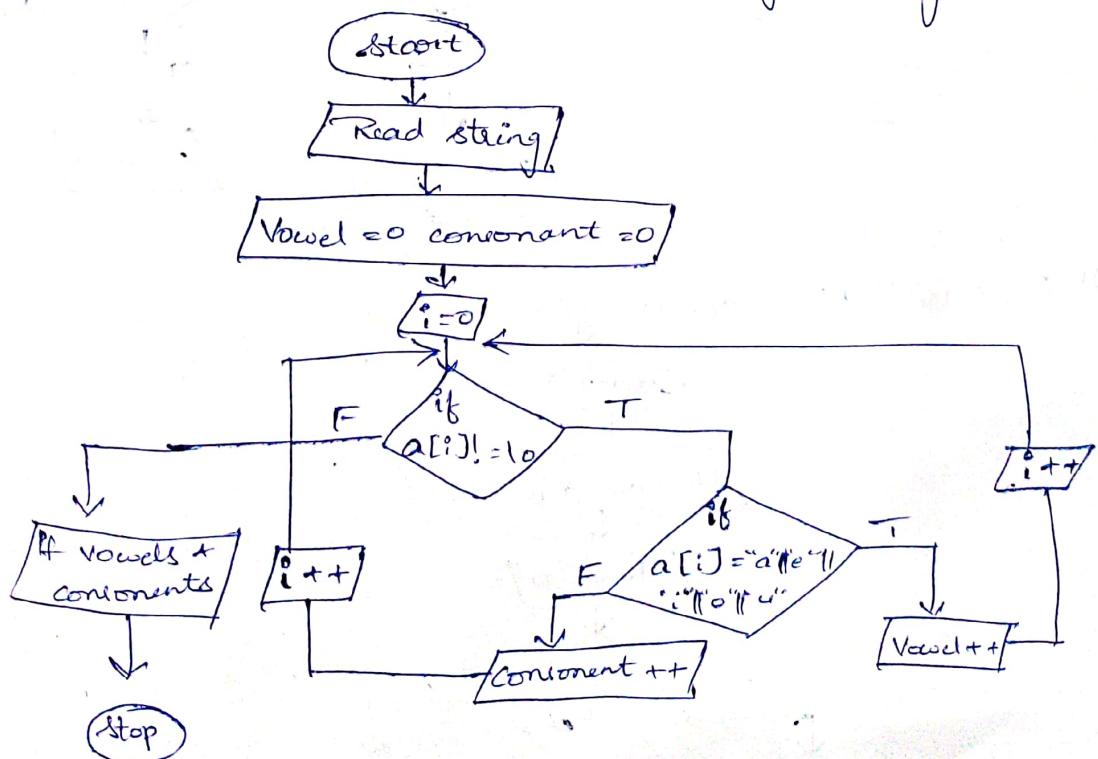
17. Take I/P as seconds from user and print into hours : Minutes : .second format.



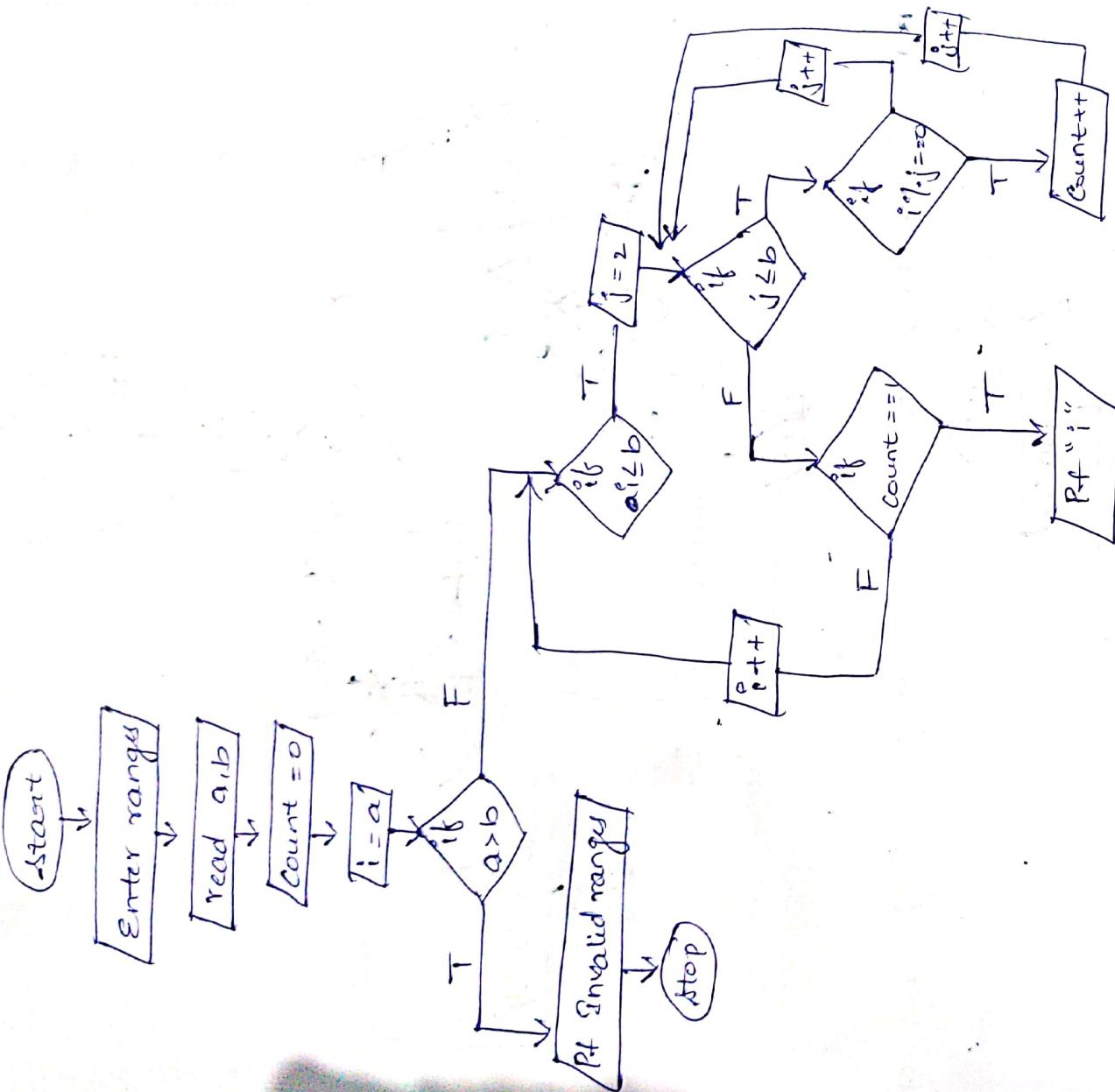
1. Sum of elements of the lower triangle in a square matrix.



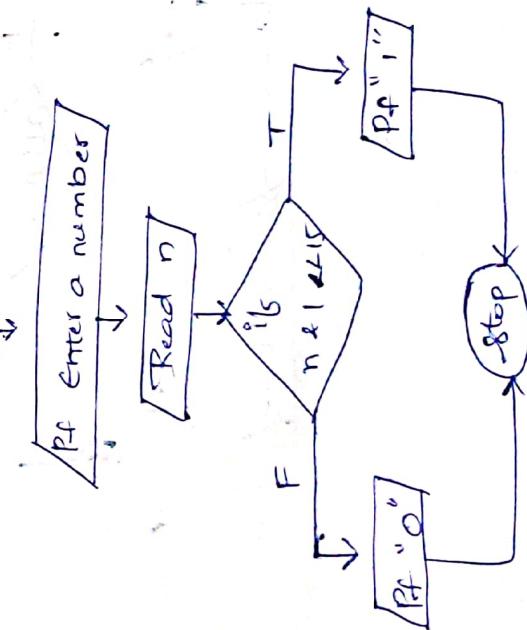
2. No. of vowels & consonants in a given string



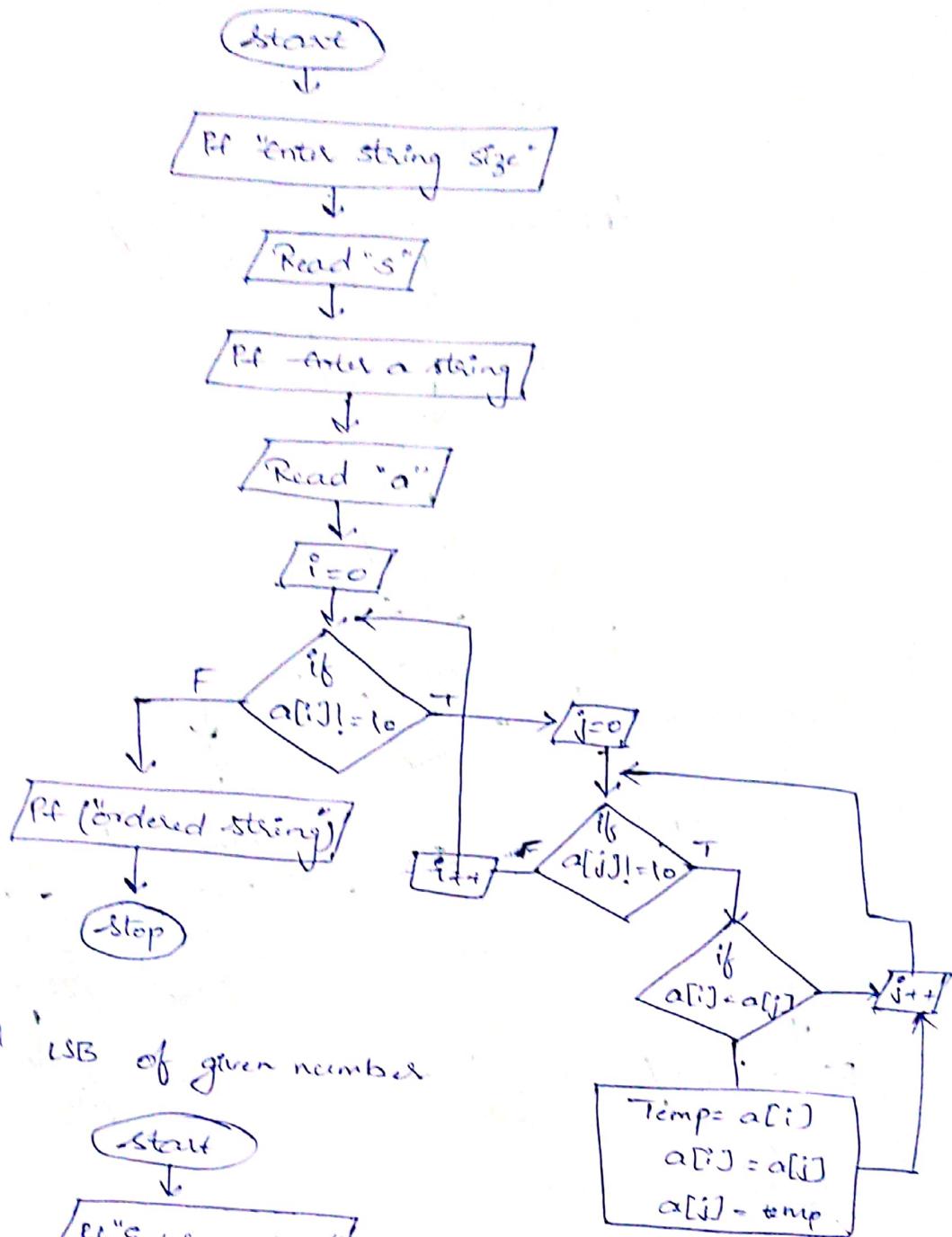
do. find the prime numbers between 100 and 1000 given by user.



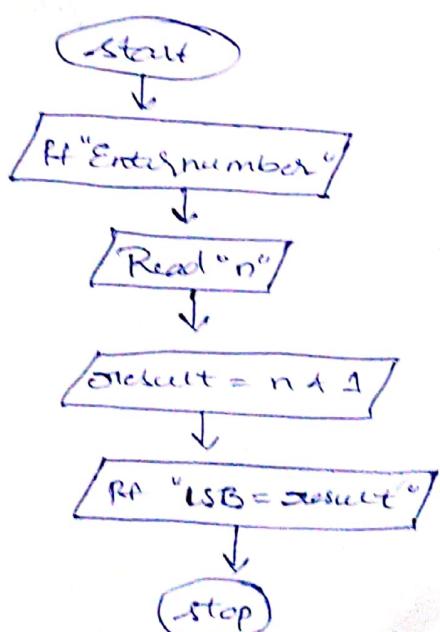
21 Find the MSB of a given number.



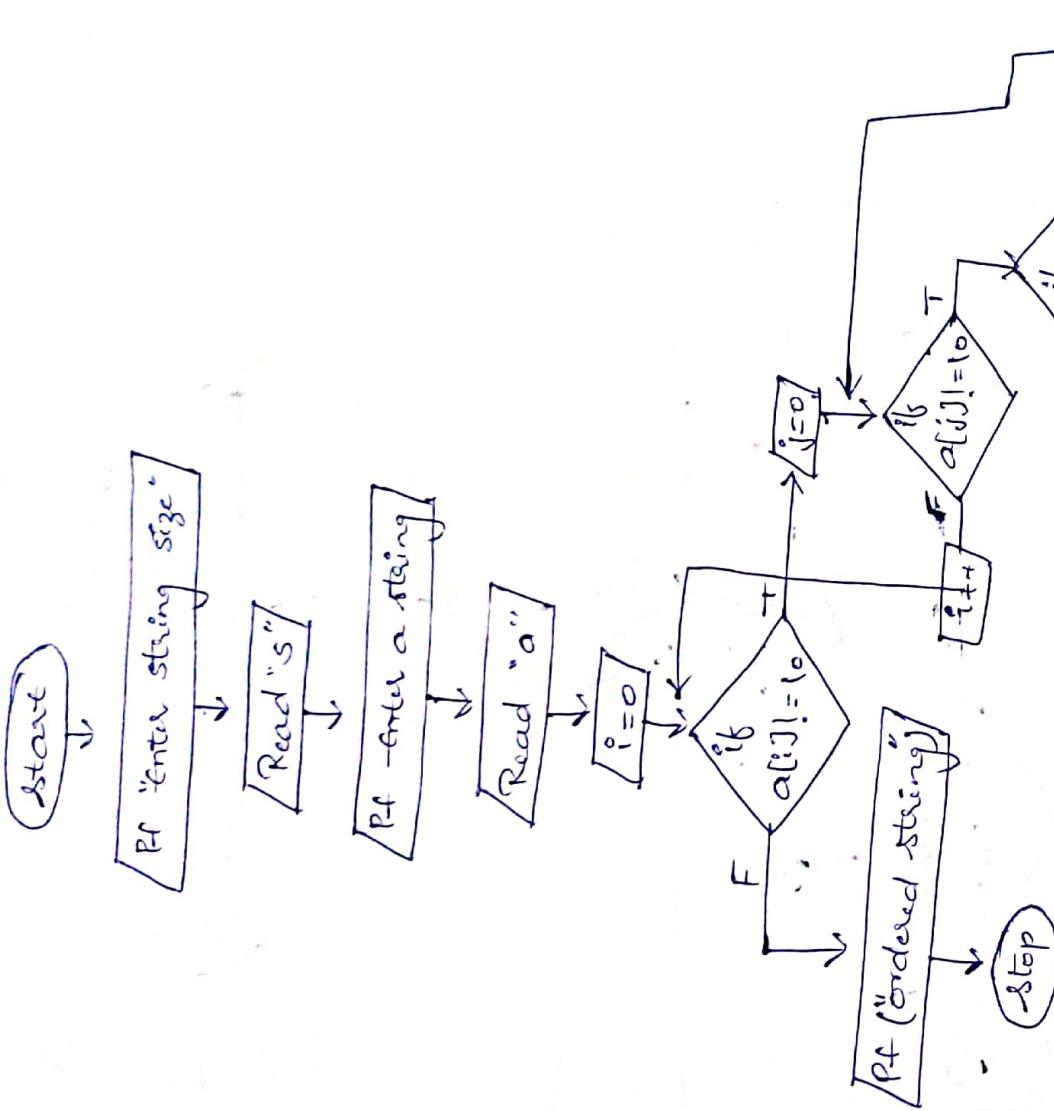
characters in alphabetical order.



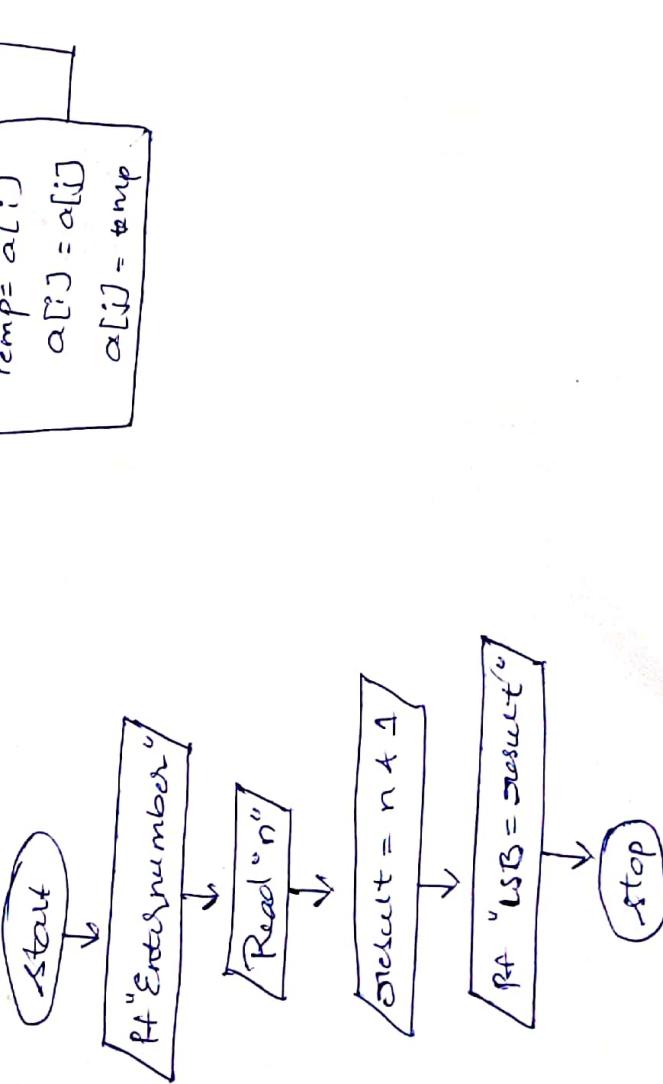
3. Find LSB of given number



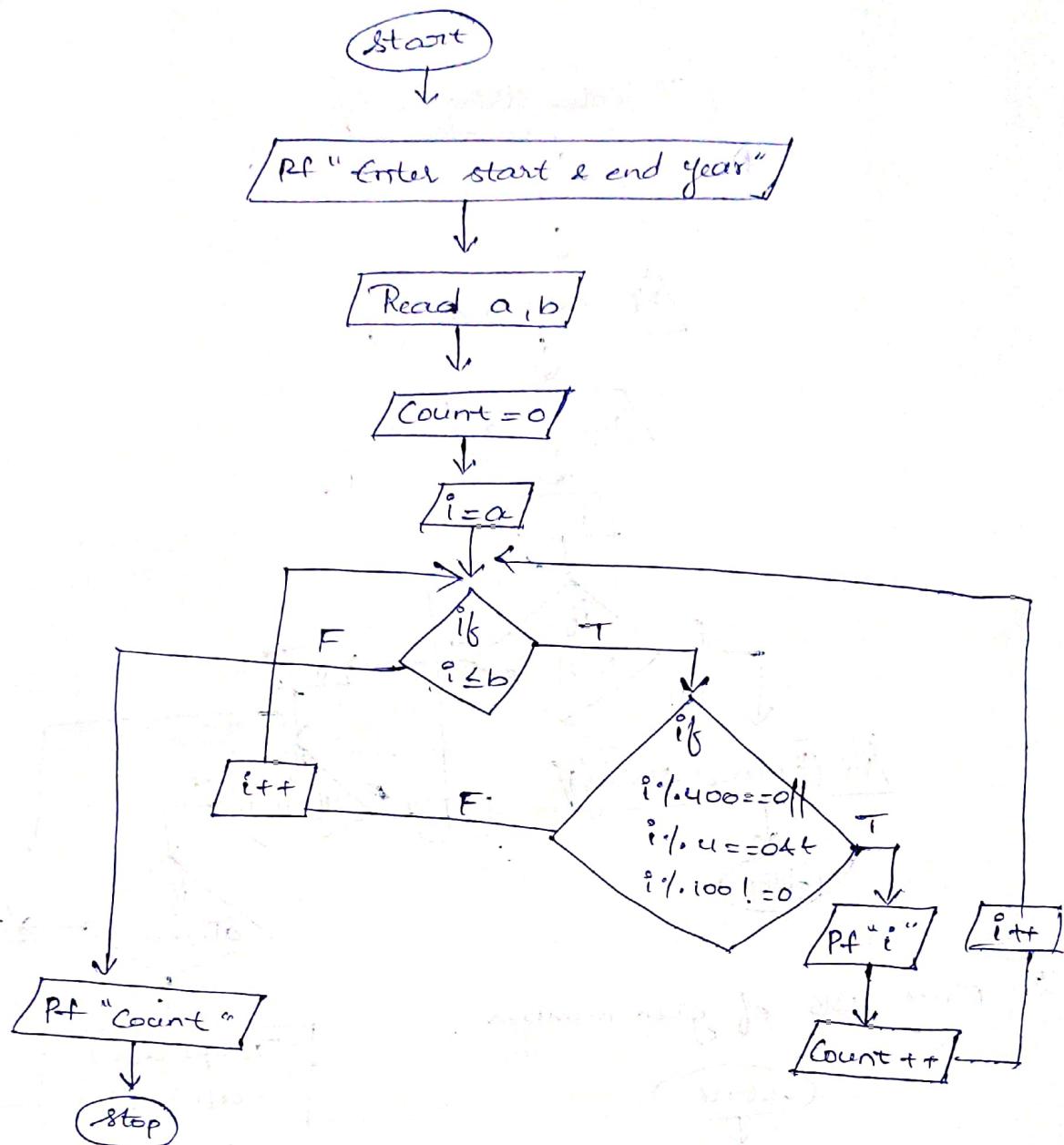
22. Take a string from the user and arrange the characters in alphabetical order.



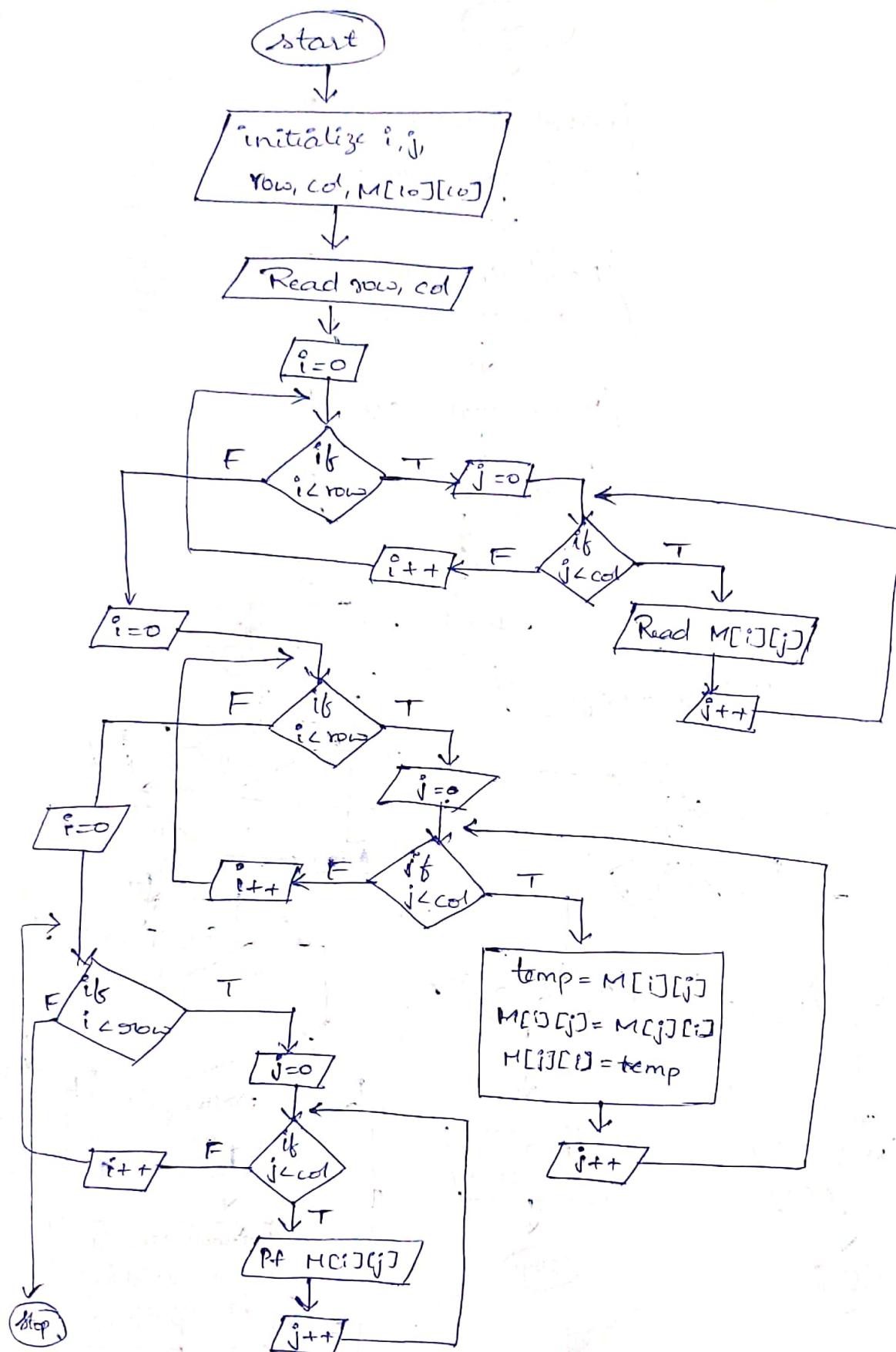
23. Find LSB of given number

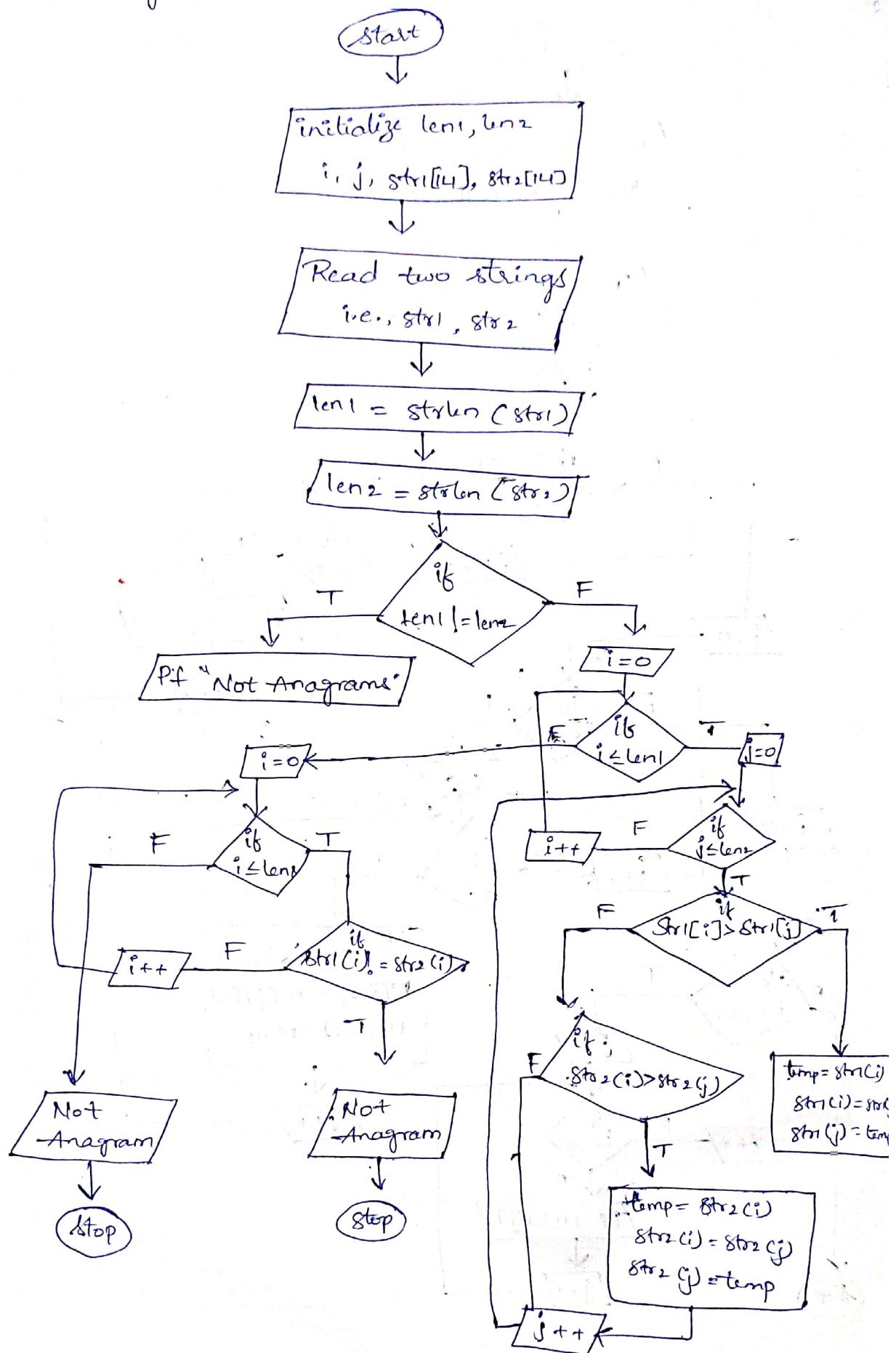


24. find the leap years and count between the ranges given by user.

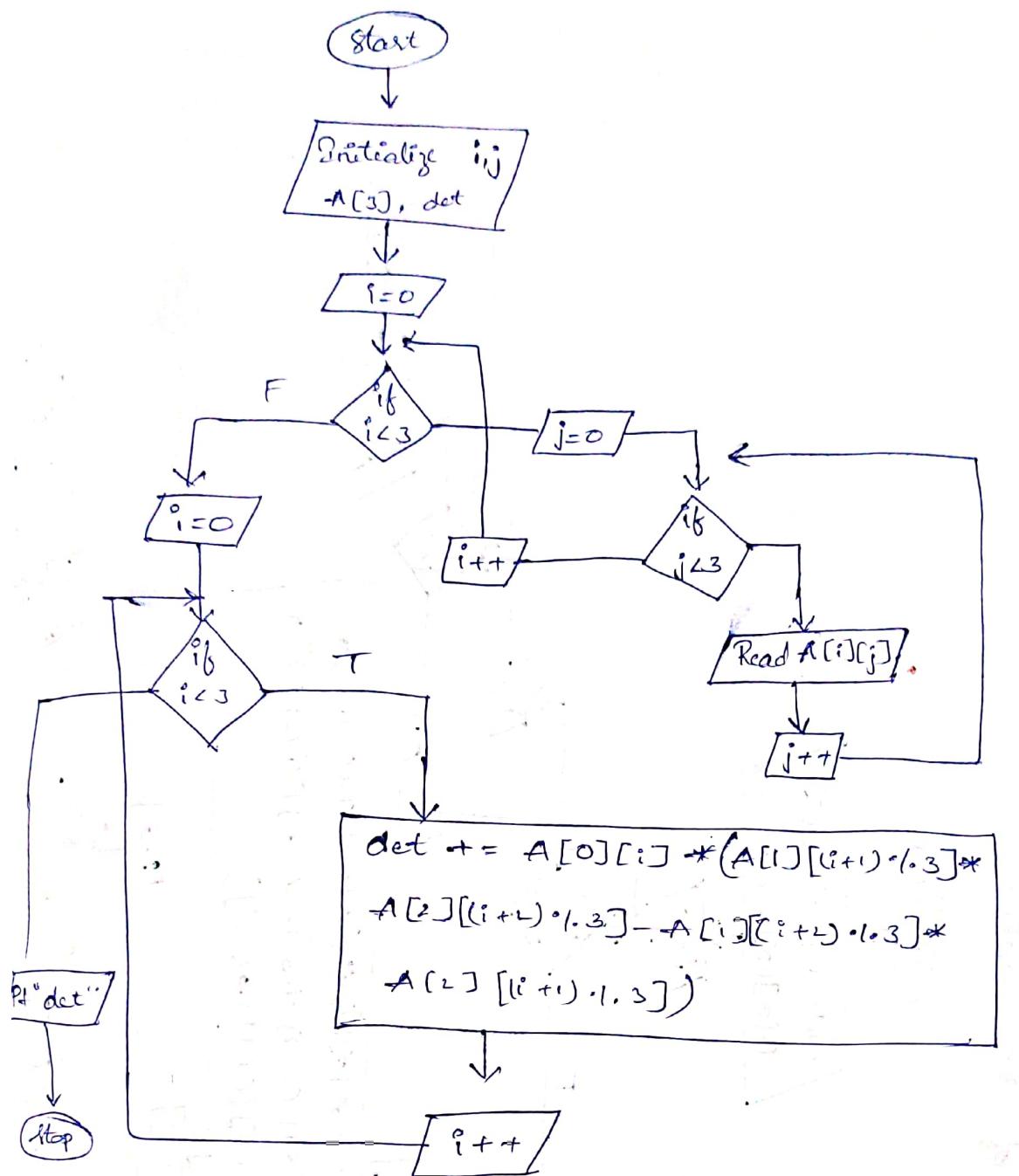


25. Transpose of a Matrix

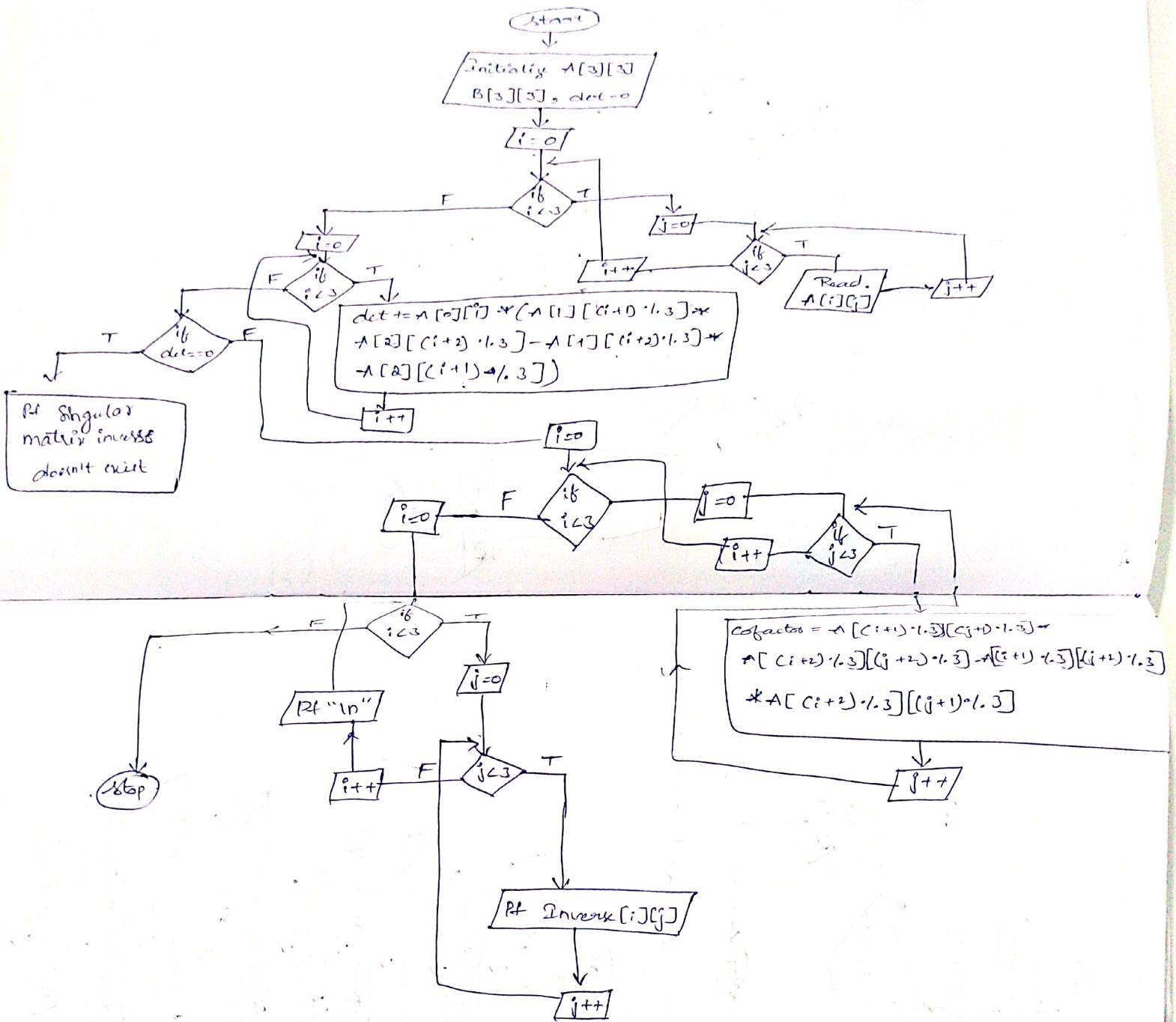




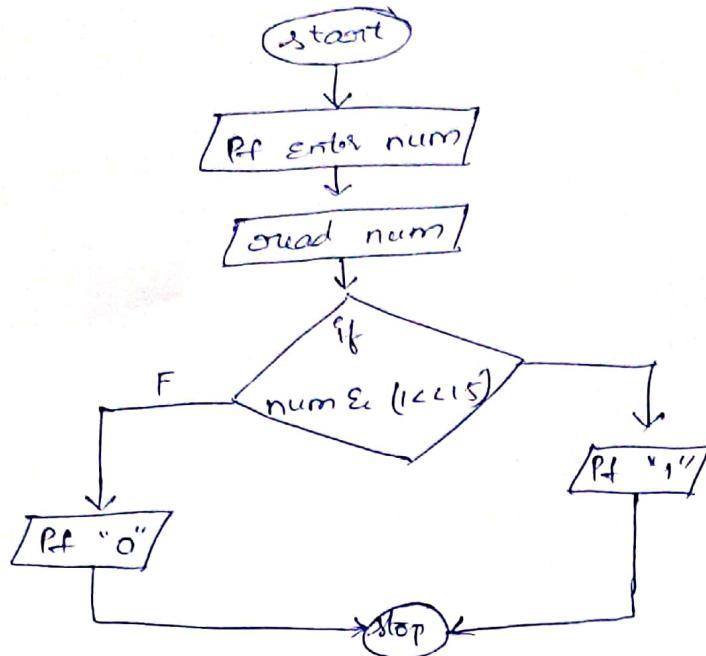
2. Determinant of 3×3 matrix



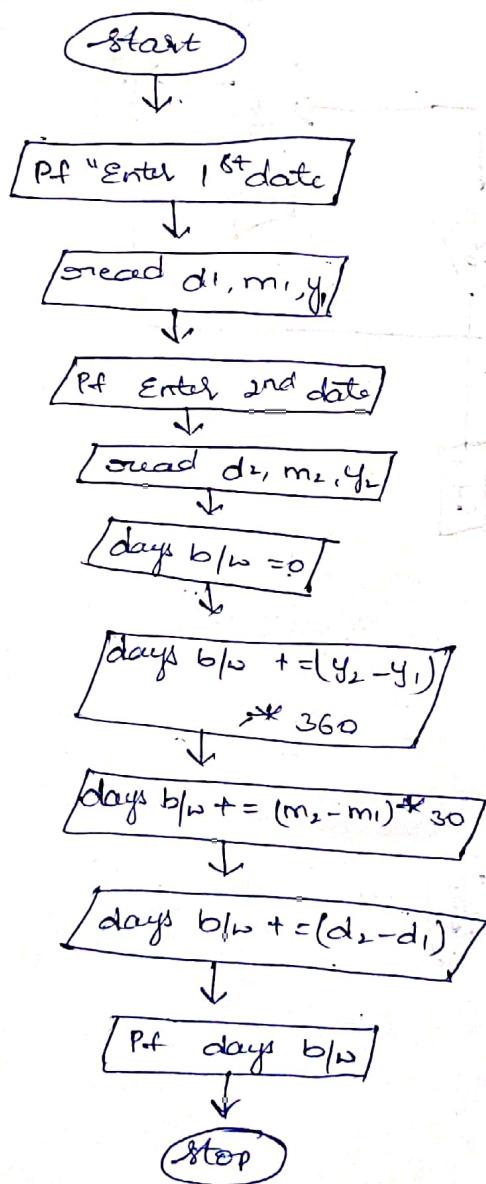
28) Inverse of 3×3 matrix



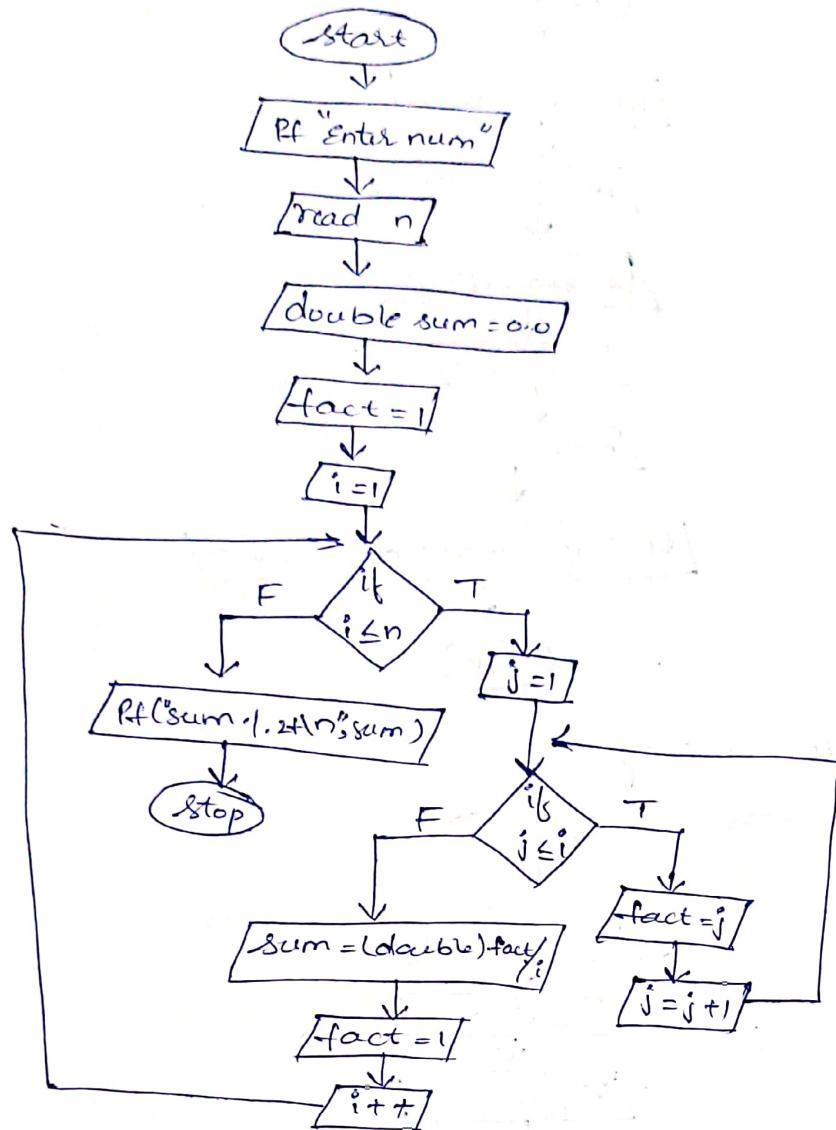
29. n^{th} bit toggle.



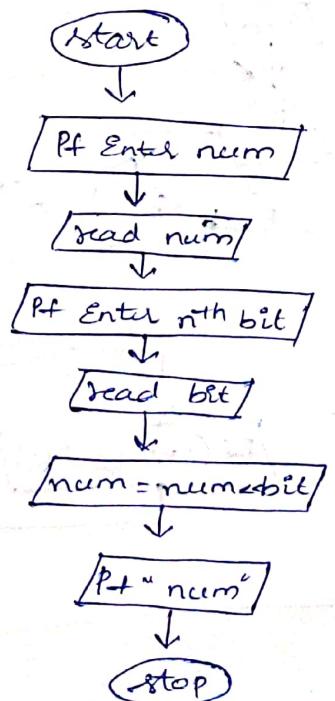
30. Take two dates from user and calculate no. of days b/w them



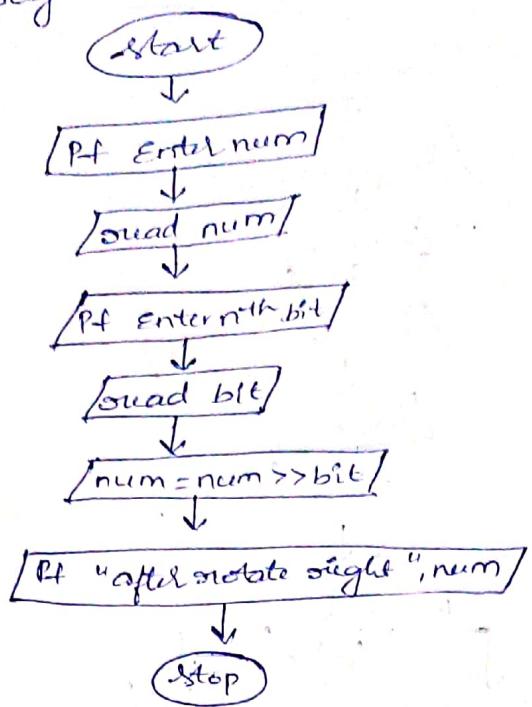
$$31. \frac{1}{1} + \frac{1}{2} + \frac{1}{3} + \dots + \frac{1}{n}$$



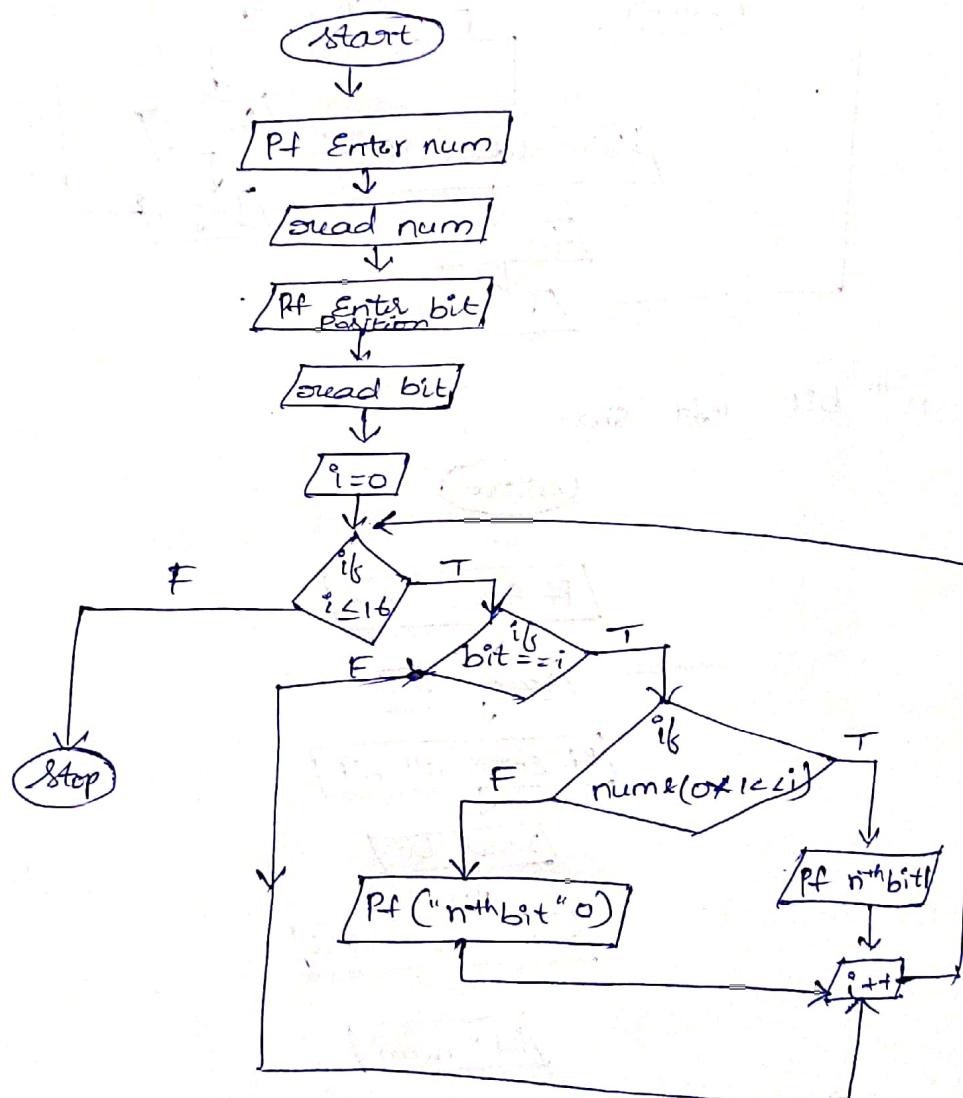
32. n^{th} bit left side

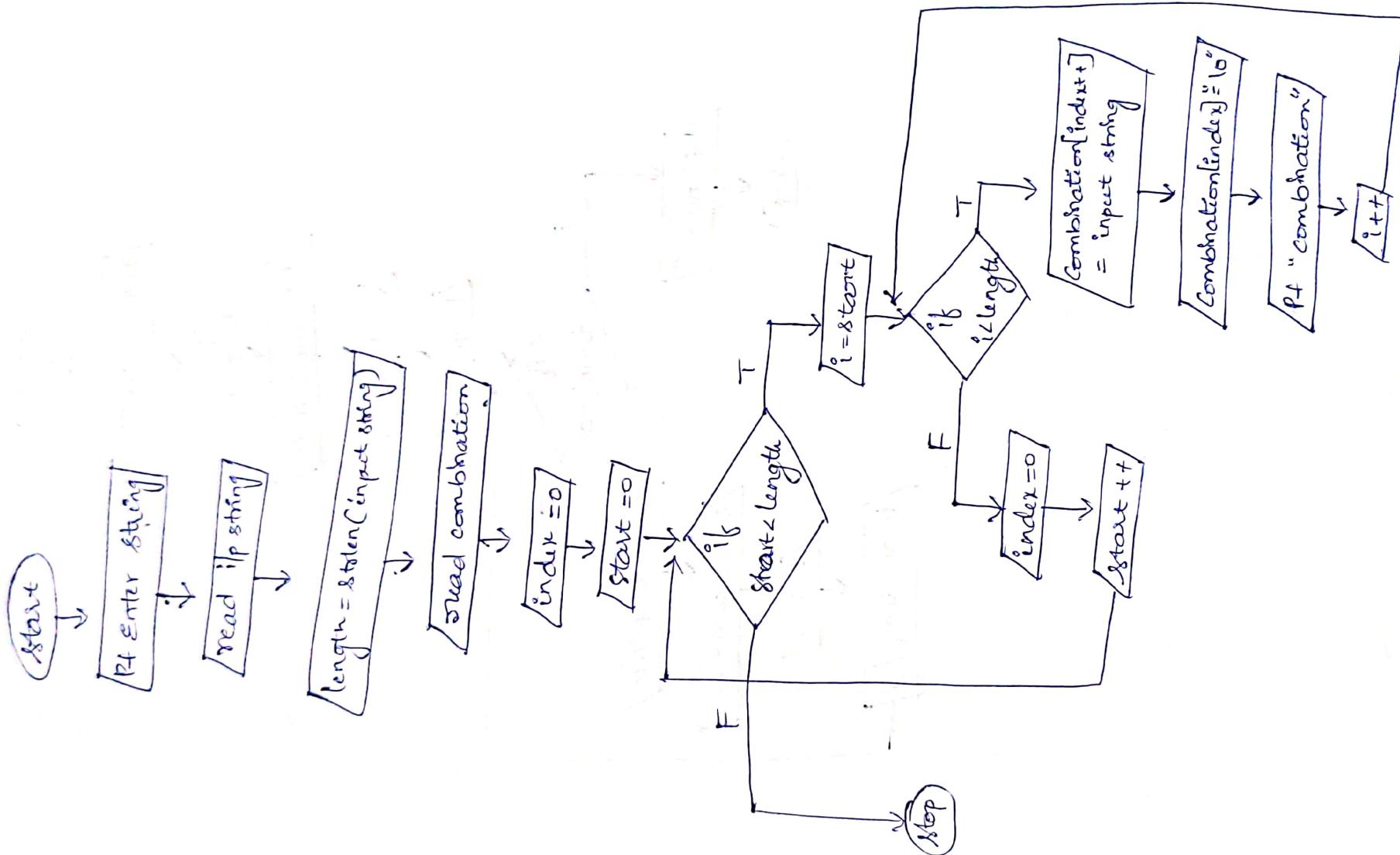


33. n^{th} bit right side

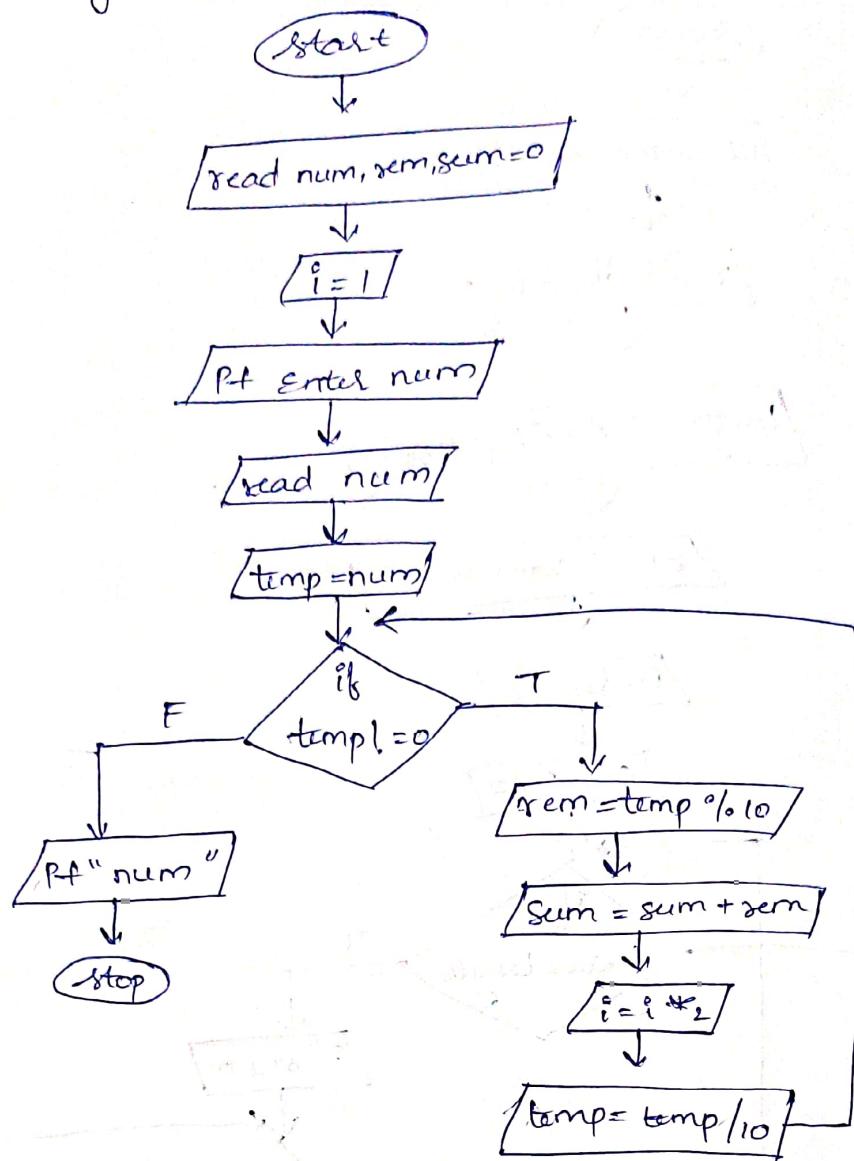


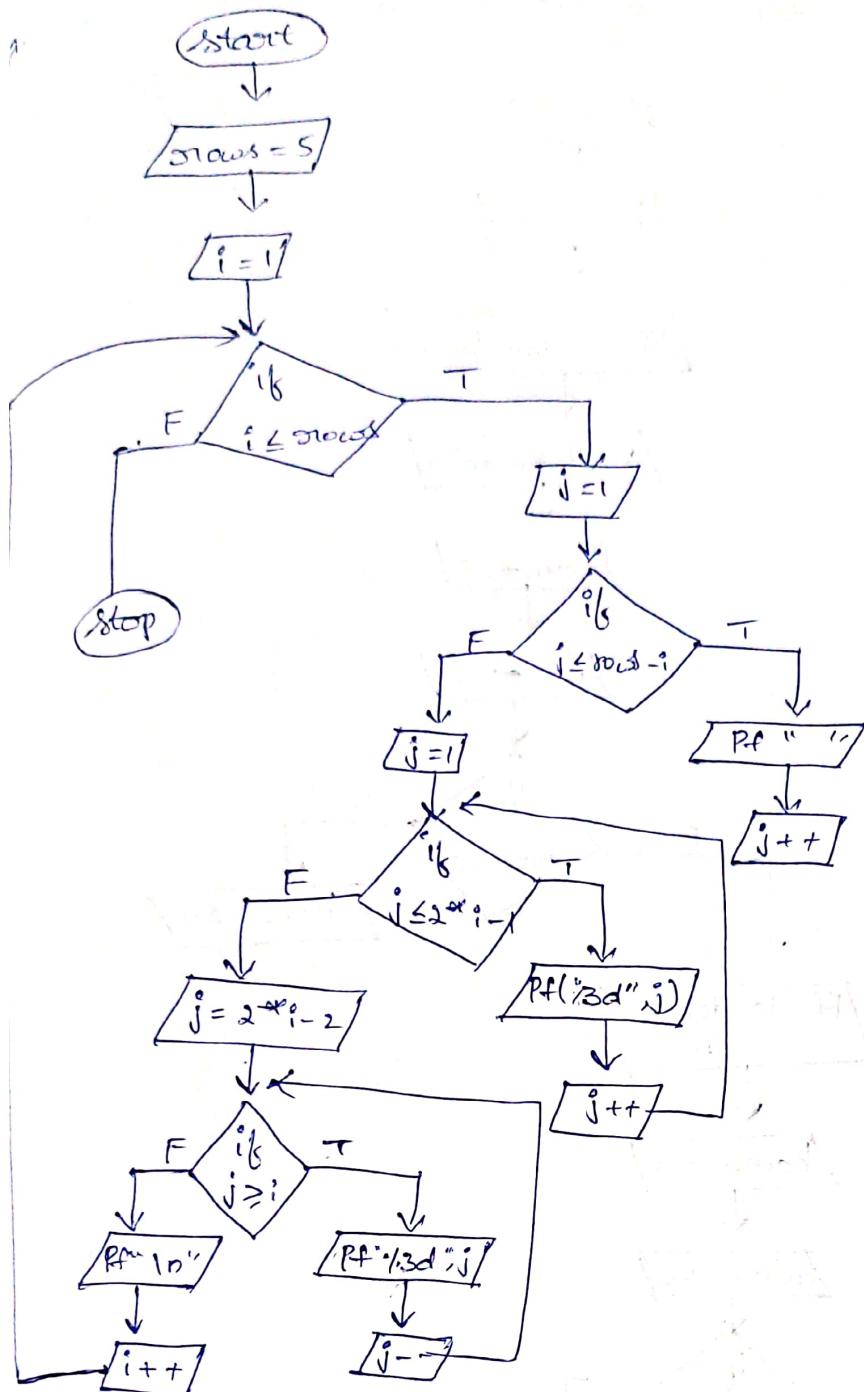
34. n^{th} bit display





36. Binary to Hexa





Output :-

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

38 Indian time to London & America.

