```java
/**
 * @author (Yaw Abaaho)
 * @version (1/26/20)
 */
public class p2
{
    //Recursive binary search
    //Assuming the input is sorted
    int bcount=0;
    public int recbin(int[] list,int n,int low,int high)
    {
        int middle=(low+high)/2;
        if (list[middle]==n)
        {
            System.out.println("The total # of recursive calls is "+bcount);
            return middle;
        }
        else if (low>high)
            return -1;
        else if (list[middle]<n)
        {
            bcount++;
            return recbin(list,n,middle+1,high);
        }
        else
        {
            bcount++;
            return recbin(list,n,low,middle-1);
        }
    }

    //Recursive n factorial
    int fcount=0;
    public int recfact(int n)
    {
        if(n==0)
        {
            System.out.println("The total # of recursive calls is "+fcount);
            return 1;
        }
        else
        {
            fcount++;//* recursive function is called
            return n*recfact(n-1);
        }
    }

    //Recursive fibonacci sequence for n>1
    public int recfib(int n)
    {
        if(n==0)
            return 0;
        else if(n==1)
            return 1;
        else
            return recfib(n-1)+recfib(n-2);
    }
}
```