

```

public class Fib{
    public int fibonacci(int n) {
        if(n == 0){
            return 0;
        }else if(n == 1){
            return 1;
        }else{
            return fibonacci(n - 1) + fibonacci(n - 2);
        }
    }
}

```

```

public class Fib {
    public Fib();
        Code:
            0: aload_0
            1: invokespecial #1           // Method java/lang/Object."<init>":()V
            4: return

    public int fibonacci(int);
        Code:
            0: iload_1
            1: ifne                6
            4: iconst_0
            5: ireturn
            6: iload_1
            7: iconst_1
            8: if_icmpne           13
            11: iconst_1
            12: ireturn
            13: aload_0
            14: iload_1
            15: iconst_1
            16: isub
            17: invokevirtual #2           // Method fibonacci:(I)I
            20: aload_0
            21: iload_1
            22: iconst_2

```