

The main method of the following unit04WS02 class has 4 output statements. Find the output for each statement. Do a complete visual write-up showing EXACTLY how java compiles the data to get the four outputs.

```

package unit04;

public class unit04WS02 {
    public static int corn(int a, int b) {
        if(a==b)
            return 7;
        else {
            b--;
            return b+corn(a,b);
        }
    }
    public static double yam(int a, int b) {
        if(a==4)
            return yam(b%a,b);
        else if (a<4)
            return (int)Math.pow(b,a);
        else
        {
            a-=4;
            return a-yam(a,b);
        }
    }
    public static int celery(int x) {
        if(x>5 || x==2)
        {
            --x;
            return x/celery(x-1);
        }
        else
            return 2;
    }
    public static String bean(String y, int r) {
        if(r!=3)
        {
            for(int i=0 ; i<r ; i++)
                System.out.print(y);

            System.out.println("Y");
            return y+bean(y,r-1);
        }
        else
            return y;
    }
    public static void main(String[] args) {
        System.out.println(corn(2,5));
        System.out.println(yam(12,5));
        System.out.println(celery(8));
        System.out.println(bean("X",5));
    }
}

```

//Get it? String bean!