STATE **=2; TRANSFORIMATION

REPEATING
with
CONDITION





$$m=(y*n)+x$$

m=7

n=2

Integer remainder

x=7%2=1

Integer division

$$y=7/2=3$$

```
int x=m; int y=0;
if (x>=n){x=x-n; y=y+1;}
if (x>=n){x=x-n; y=y+1;}
if (x>=n){x=x-n; y=y+1;}
if (x>=n){x=x-n; y=y+1;}
1
if (x>=n){x=x-n; y=y+1;}
1
if (x>=n){x=x-n; y=y+1;}
1
3
```

```
int x=m; int y=0;
if (x>=n) {x=x-n; y=y+1;}
```

```
int x=m; int y=0;
if (x>=n){x=x-n; y=y+1;}
if (x>=n){x=x-n; y=y+1;}
if (x>=n){x=x-n; y=y+1;}
if (x>=n){x=x-n; y=y+1;}
1 3 7
```

April 2015



