

Modulo = ?

$$18 \% 7 = 4$$

$$\frac{18}{7} = 2 \frac{4}{7}$$

$$18 \% 17 = 1$$

$$18 \% 18 = 0$$

$$18 \% 19 = 18$$

$$\frac{18}{17} = 1 \frac{1}{17}$$

$$\frac{18}{18} = 1 \frac{0}{18}$$

$$\frac{18}{19} = 0 \frac{18}{19}$$

$$18 \parallel 17 = 1$$

$$18 \parallel 18 = 1$$

$$18 \parallel 19 = 0$$

a	b	r = a % b
24	18	r = 24 % 18 = 6
18	6	r = 18 % 6 = 0
6	0	

↑
NVD

a = b

b = a % b

a	b	r = a % b
72	24	r = 72 % 24 = 0
24	0	

↑
NVD

a	b	r
100	15	r = 100 % 15 = 10
15	10	r = 15 % 10 = 5
10	5	r = 10 % 5 = 0
5	0	

↑
NVD

a	b	r
16	40	r = 16 % 40 = 16
40	16	r = 40 % 16 = 8
16	8	r = 16 % 8 = 0
8	0	

↑
NVD

```

while b > 0
    a, b = b, a % b
return a
    
```