

Modulo = ?

• $19 \% 7 = 5$ $\frac{19}{7} = 2 \frac{5}{7}$

$19 \% 18 = 1$

$\frac{19}{18} = 1 \frac{1}{18}$

$19 \% 19 = 0$

$\frac{19}{19} = 1 \frac{0}{19}$

$19 \% 20 = 19$

$\frac{19}{20} = 0 \frac{19}{20}$

$NWD(24, 18) = 6$

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

← NWD

a = b

b = a % b

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

↑
NWD

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

← NWD

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

← NWD

while b > 0 :

a, b = b, a % b

return a