- Extended Euclidean Algorithm

$$252 = 198.1 + 54$$

 $198 = 54.3 + 36$

$$r = \frac{3}{252 - 198.1}$$

enswer of @ How to

Solve 1 g= 02+ by

$$gcd(18,0) \implies 18 = 18x + 0y$$
base solution: (1,0)

When we know the

```
int extended Euclidean (Int a, int b, int & x, int & y)

{

if (b == 0) {

x = 1,

y = 0;

x = 1,

y = 0;

x = 1,

int x = 2, y = 2;

int x = 2, y = 2,

x = 1,

x
```