

Trabalho 5

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```
→ trab5 (master) x ./main 169 144
```

```
x = 0
```

```
x = 1 - (6/1) * 0 = 1
```

```
y = 0
```

```
(1*1)+(6*0)=1
```

```
x = 0 - (19/6) * 1 = -3
```

```
y = 1
```

```
(6*-3)+(19*1)=1
```

```
x = 1 - (25/19) * -3 = 4
```

```
y = -3
```

```
(19*4)+(25*-3)=1
```

```
x = -3 - (144/25) * 4 = -23
```

```
y = 4
```

```
(25*-23)+(144*4)=1
```

```
x = 4 - (169/144) * -23 = 27
```

```
y = -23
```

```
(144*27)+(169*-23)=1
```

```
0 inverso de 144 em 169Z é 27.
```



```
-> trab5 (master) x ./main 12543440 1973
```

```
x = 0
```

```
x = 1 - (30/1) * 0 = 1
```

```
y = 0
```

```
(1*1)+(30*0)=1
```

```
x = 0 - (31/30) * 1 = -1
```

```
y = 1
```

```
(30*-1)+(31*1)=1
```

```
x = 1 - (154/31) * -1 = 5
```

```
y = -1
```

```
(31*5)+(154*-1)=1
```

```
x = -1 - (185/154) * 5 = -6
```

```
y = 5
```

```
(154*-6)+(185*5)=1
```

```
x = 5 - (894/185) * -6 = 29
```

```
y = -6
```

```
(185*29)+(894*-6)=1
```

```
x = -6 - (1079/894) * 29 = -35
```

```
y = 29
```

```
(894*-35)+(1079*29)=1
```

```
x = 29 - (1973/1079) * -35 = 64
```

```
y = -35
```

```
(1079*64)+(1973*-35)=1
```

```
x = -35 - (12543440/1973) * 64 = -406883
```

```
y = 64
```

```
(1973*-406883)+(12543440*64)=1
```

Houve um tratamento para tornar o coeficiente -406883 positivo.

O inverso de 1973 em 12543440Z é 12136557.