

Scratch

December-16-10  
11:32 AM

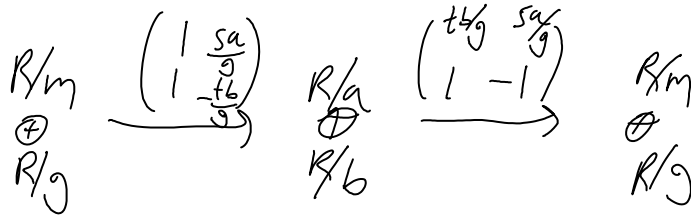
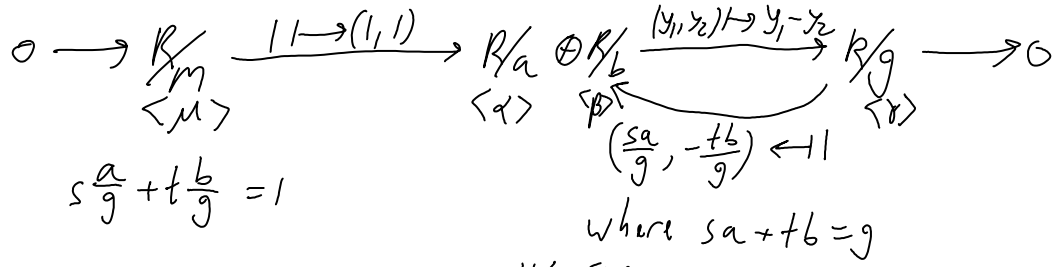
$$15 \cdot 6 = 90 \quad \text{lcm}(15, 6) = 30$$

$$y \pmod{(15, 6)} = (y_1, y_2)$$

3 \cdot 5 \quad 2 \cdot 3

$y_1 - y_2 \pmod 3$  is constant.

$$a, b, m = \text{lcm}(a, b) \quad g = \text{gcd}(a, b)$$



$$\begin{pmatrix} tb/g & sa/g \\ 1 & -1 \end{pmatrix} \begin{pmatrix} 1 & sa/g \\ 1 & -tb/g \\ 1 & 0 \\ 0 & 1 \end{pmatrix}$$