① $\begin{cases} 2x + z = 5 + y \\ x + y = z + 1 \\ 4x + y = k + kz \end{cases}$ $\quad \begin{cases} 2x - y + z = 5 \\ x + y - z = 1 \\ 4x + y - kz = k \end{cases}$

$$\left(\begin{array}{ccc|c} 2 & -1 & 1 & 5 \\ (1) & 1 & -1 & 1 \\ 4 & 1 & -k & k \end{array}\right)$$

$$\left(\begin{array}{ccc|c} 0 & -3 & 3 & 3 \\ 1 & 1 & -1 & 1 \\ 0 & (-3) & -k+4 & k-4 \end{array}\right)$$

$$\left(\begin{array}{ccc|c} 0 & 0 & \frac{k-1}{-3} & \frac{-k+1}{-3} \\ 1 & 0 & \frac{k-1}{-3} & \frac{-k+1}{-3} \\ 0 & 1 & \frac{-k+4}{-3} & \frac{k-4}{-3} \end{array}\right)$$

$-9 - (-3).(-k+4)$

$-9 - (3k - 12)$

$-9 - 3k + 12 = \frac{-3k+3}{-3}$

$-9 - (-3).(k-4)$

$-9 + 3k - 12$

$\frac{3k - 21}{-3} =$

$3 - (-k+4)$

$3 + k - 4 = \underbrace{k-1}_{-3}$

$-3 - (k-4)$

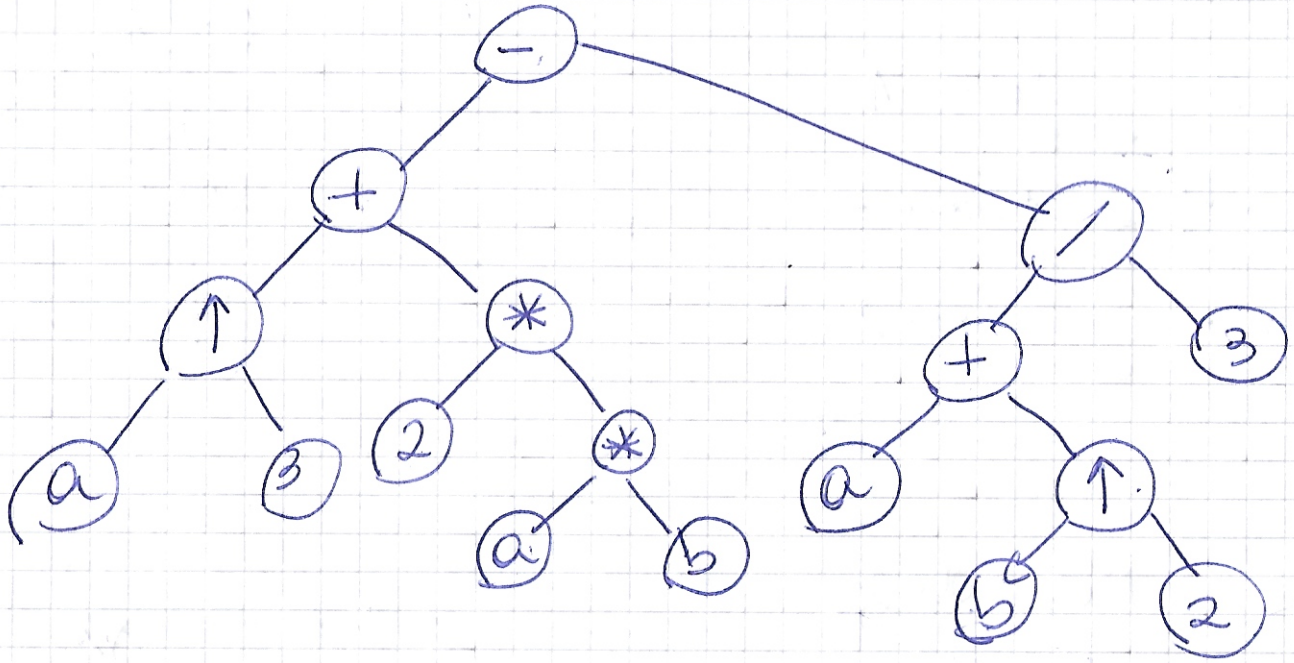
$-3 - k + 4 = -k + 1$

$k - 1 = 0 \longrightarrow$ NO puedo pivotear $(k = 1) \longrightarrow$ (SI)

$k \neq 1$ SCD

$\nexists k$ para SCI

$a^3 + 2(ab) - (a + b^2) : 3$



POST ORDEN (IDR) a 3 ↑ 2 a b * * + a b 2 ↑ + 3 / −

PRE ORDEN (RID) − + ↑ a 3 * 2 * a b / + a ↑ b 2 3