$$\left[\begin{array}{cccc|c} 1 & 2 & 3 & 4 & 1 \\ 0 & 1 & -3 & -1 & 5 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{array}\right]$$

ej entydig lösning.

Låt:

$z = t$

$w = k$

$$\left[\begin{array}{cccc|c} 1 & 2 & 3 & 4 & 1 \\ 0 & 1 & -3 & -1 & 5 \\ 0 & 0 & 1 & 0 & t \\ 0 & 0 & 0 & 1 & k \end{array}\right] \begin{array}{l} \\ \\ \\ \leftarrow -4 \cdot \text{rad } 3 \\ \leftarrow \text{rad } 4 \end{array}$$

$$\left[\begin{array}{cccc|c} 1 & 2 & 3 & 0 & 4k+1 \\ 0 & 1 & -3 & 0 & k+5 \\ 0 & 0 & 1 & 0 & t \\ 0 & 0 & 0 & 1 & k \end{array}\right] \begin{array}{l} \\ \\ \leftarrow -3 \cdot \text{rad } 3 \\ \\ \end{array}$$

$$\left[\begin{array}{cccc|c} 1 & 2 & 0 & 0 & 4k-3t+1 \\ 0 & 1 & 0 & 0 & k+3t+5 \\ 0 & 0 & 1 & 0 & t \\ 0 & 0 & 0 & 1 & k \end{array}\right] \begin{array}{l} \\ \leftarrow -2 \cdot \text{rad } 2 \\ \\ \\ \end{array}$$

$$4k-3t+1-2(k+3t+5) =$$
$$= 4k-3t+1-2k-6t-10 =$$
$$= 2k-9t-9$$

$$\left[\begin{array}{cccc|c} 1 & 0 & 0 & 0 & 2k-9t-9 \\ 0 & 1 & 0 & 0 & k+3t+5 \\ 0 & 0 & 1 & 0 & t \\ 0 & 0 & 0 & 1 & k \end{array}\right] \Leftrightarrow \begin{cases} x = 2k-9t-9 \\ y = k+3t+5 \\ z = t \\ w = k \end{cases}, \; t, k \in \mathbb{R}$$