

$$\begin{array}{l}
 -x_1 + 7x_2 - x_3 = 5 \\
 4x_1 - x_2 + x_3 = 1 \\
 5x_1 - 3x_2 + x_3 = -1
 \end{array}$$
$$\Leftrightarrow
 \begin{array}{l}
 -x_1 + 7x_2 - x_3 = 5 \\
 27x_2 - 3x_3 = 21 \quad |:3 \\
 32x_2 - 4x_3 = 24 \quad |:4
 \end{array}$$

$$\Leftrightarrow
 \begin{array}{l}
 -x_1 + 7x_2 - x_3 = 5 \\
 9x_2 - x_3 = 7 \\
 8x_2 - x_3 = 6
 \end{array}$$

$$\Leftrightarrow
 \begin{array}{l}
 -x_1 + 7x_2 - x_3 = 5 \\
 -x_3 + 9x_2 = 7 \\
 -x_3 + 8x_2 = 6
 \end{array}$$

$$\Leftrightarrow
 \begin{array}{l}
 -x_1 + 7x_2 - x_3 = 5 \\
 9x_2 - x_3 = 7 \\
 x_2 = 1
 \end{array}$$

$$\Leftrightarrow
 \begin{array}{l}
 x_1 = 0 \\
 x_2 = 1 \\
 x_3 = 2
 \end{array}$$

