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3. Solve $Ax = b$ for

$$\begin{bmatrix} 1 & 2 & 3 & 0 & 4 & 5 & 0 \\ 0 & 0 & 0 & 1 & 6 & 7 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{bmatrix} \quad \text{and} \quad b = \begin{bmatrix} 8 \\ 9 \\ 10 \end{bmatrix}$$

$x_1 = 8 - 2x_2 - 3x_3 - 4x_5 - 5x_6$
$x_2 = x_2$
$x_3 = x_3$
$x_4 = 9 - 6x_5 - 7x_6$
$x_5 = x_5$
$x_6 = x_6$
$x_7 = 10$

4. Solve $Ax = b$ for

$$\begin{bmatrix} 1 & 2 & 3 & 0 & 4 & 5 & 0 \\ 0 & 0 & 0 & 1 & 6 & 7 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{bmatrix} \quad \text{and} \quad b = \begin{bmatrix} 8 \\ 9 \\ 10 \end{bmatrix}$$

No solution