

Solve the system

$$\begin{cases} x_1+x_2 & = 3 \\ x_2+x_3 & = -2 \\ x_3+x_4 & = -2 \\ x_1 & +x_4 = 3 \end{cases}$$

$$\begin{bmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \end{bmatrix} = \begin{bmatrix} \square \\ \square \\ \square \\ \square \end{bmatrix} + s \begin{bmatrix} \square \\ \square \\ \square \\ \square \end{bmatrix}$$

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