

Gauss-Jordan Template $\left[\begin{array}{ccc|c} \rule{1cm}{0.4pt} & \rule{1cm}{0.4pt} & \rule{1cm}{0.4pt} & \rule{1cm}{0.4pt} \\ \rule{1cm}{0.4pt} & \rule{1cm}{0.4pt} & \rule{1cm}{0.4pt} & \rule{1cm}{0.4pt} \\ \rule{1cm}{0.4pt} & \rule{1cm}{0.4pt} & \rule{1cm}{0.4pt} & \rule{1cm}{0.4pt} \end{array} \right]$

Column 1

$$\text{_____} \cdot R_1 \rightarrow R_1 \quad \left[\begin{array}{ccc|c} \text{_____} & \text{_____} & \text{_____} & \text{_____} \\ \text{_____} & \text{_____} & \text{_____} & \text{_____} \\ \text{_____} & \text{_____} & \text{_____} & \text{_____} \end{array} \right]$$

$$\begin{array}{l} \text{_____} \cdot R_1 + R_2 \rightarrow R_2 \\ \text{_____} \cdot R_1 + R_3 \rightarrow R_3 \end{array} \quad \left[\begin{array}{ccc|c} \text{_____} & \text{_____} & \text{_____} & \text{_____} \\ \text{_____} & \text{_____} & \text{_____} & \text{_____} \\ \text{_____} & \text{_____} & \text{_____} & \text{_____} \end{array} \right]$$

_____ $\cdot R_1 + R_3 \rightarrow R_3$

_____	_____	_____	_____
_____	_____	_____	_____

Column 2

$$\text{---} \cdot R_2 \rightarrow R_2 \quad \left[\begin{array}{cccc} \text{---} & \text{---} & \text{---} & \text{---} \\ \text{---} & \text{---} & \text{---} & \text{---} \end{array} \right]$$

$$\begin{array}{l} \text{_____} \cdot R_2 + R_1 \rightarrow R_1 \\ \text{_____} \cdot R_2 + R_3 \rightarrow R_3 \end{array} \left[\begin{array}{ccc|c} \text{_____} & \text{_____} & \text{_____} & \text{_____} \\ \text{_____} & \text{_____} & \text{_____} & \text{_____} \end{array} \right]$$

$\text{_____} \cdot R_2 + R_3 \rightarrow R_3$	_____	_____	_____
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Column 3

$$\text{---} \cdot R_3 \rightarrow R_3 \quad \left[\begin{array}{cccc} \text{---} & \text{---} & \text{---} & \text{---} \\ \text{---} & \text{---} & \text{---} & \text{---} \end{array} \right]$$

$$\begin{array}{l} \text{_____} \cdot R_3 + R_1 \rightarrow R_1 \\ \text{_____} \cdot R_3 + R_2 \rightarrow R_2 \end{array} \left[\begin{array}{ccc|c} \text{_____} & \text{_____} & \text{_____} & \text{_____} \\ \text{_____} & \text{_____} & \text{_____} & \text{_____} \end{array} \right]$$

$\underline{\hspace{1cm}} \cdot R_3 + R_2 \rightarrow R_2$	$\underline{\hspace{1cm}}$	$\underline{\hspace{1cm}}$	$\underline{\hspace{1cm}}$	$\underline{\hspace{1cm}}$	$\underline{\hspace{1cm}}$
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