Compute Inverse Matrix

Sunday, May 28, 2023 2:08 PM

 $SGP = \begin{pmatrix} 3 & 2 \\ 3 & 1 & 0 \\ 3 & 2 & 0 \end{pmatrix} \sim R_1 \rightarrow R_1 - R_2 \qquad \begin{pmatrix} 1 & 1 & 1 & -1 \\ 3 & 2 & 0 & 1 \\ \end{pmatrix}$ $\sim R_2 \rightarrow R_2 - 3R_1 \qquad \begin{pmatrix} 1 & 0 & -1 & -1 \\ 0 & -1 & -3 & 4 \end{pmatrix}$ Use tech of RREF - $\sim R_1 \rightarrow R_1 + R_2 \qquad \begin{pmatrix} 1 & 0 & -2 & 3 \\ 0 & -1 & -3 & 4 \end{pmatrix}$

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