$$\begin{pmatrix} -7 & -1 & -2 & 5 \\ -6 & -1 & -2 & 5 \\ 4 & 1 & 3 & -7 \end{pmatrix}$$

$$\frac{\lim 2 - \lim 4 + \lim 4 +$$

$$\begin{pmatrix} 2 & -1 & -1 & 7 \\ -4 & 1 & 6 & -6 \\ -5 & 1 & 8 & -6 \end{pmatrix}$$

$$\frac{\lim 2 - \lim 3}{1 & 0 & -2 & 0} \begin{pmatrix} 2 & -1 & -1 & 7 \\ -5 & 1 & 8 & -6 \end{pmatrix} \xrightarrow{\lim 2 - 1 & 0} \begin{pmatrix} 2 & -1 & -1 & 7 \\ -5 & 1 & 8 & -6 \end{pmatrix} \xrightarrow{\lim 3 - 2 & 0} \begin{pmatrix} 1 & 0 & -2 & 0 \\ 0 & -1 & 3 & 7 \end{pmatrix} \xrightarrow{\lim 3 + 2 & \lim 4 + (3)} \begin{pmatrix} 1 & 0 & -2 & 0 \\ 0 & -1 & 3 & 7 \end{pmatrix} \begin{pmatrix} 1 & 0 & -2 & 0 \\ 0 & 1 & -2 & -6 \end{pmatrix}$$

$$\frac{\lim 2 - 2 & \lim 3}{0 & 1 & -2 & 0} \begin{pmatrix} 1 & 0 & -2 & 0 \\ 0 & 1 & -2 & -6 \end{pmatrix} \xrightarrow{\lim 3 - 2 & \lim 3 + 2 & \lim 4 + (3)} \begin{pmatrix} 1 & 0 & -2 & 0 \\ 0 & 1 & -2 & -6 \end{pmatrix} \begin{pmatrix} 1 & 0 & -2 & 0 \\ 0 & 1 & -2 & -6 \end{pmatrix} \xrightarrow{\lim 3 - 2 & \lim 4 + 2 & \lim 4 + (3)} \begin{pmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & -2 & -6 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & -2 & -6 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & -2 & -6 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & -2 & -6 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & -2 & -6 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & -1 & -1 \end{pmatrix} \begin{pmatrix} 1 & 2 & -6 & -8 \\ -1 & 2 & -5 & -4 \\ -6 & 3 & -5 & 3 \end{pmatrix} \begin{pmatrix} 1 & 2 & -6 & -8 \\ 0 & 4 & -11 & -12 \\ 0 & -1 & 3 & 3 \end{pmatrix} \begin{pmatrix} 1 & 2 & -6 & -8 \\ 0 & 4 & -11 & -12 \\ 0 & -1 & 3 & 3 \end{pmatrix} \begin{pmatrix} 1 & 2 & -6 & -8 \\ 0 & 4 & -11 & -12 \\ 0 & -1 & 3 & 3 \end{pmatrix} \begin{pmatrix} 1 & 2 & -6 & -8 \\ 0 & 4 & -11 & -12 \\ 0 & 1 & -3 & -3 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & -2 \\ 0 & 1 & -3 & -3 \\ 0 & 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & -2 \\ 0 & 1 & -3 & -3 \\ 0 & 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & -2 \\ 0 & 1 & -3 & -3 \\ 0 & 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & -2 \\ 0 & 1 & -3 & -3 \\ 0 & 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & -2 \\ 0 & 1 & -3 & -3 \\ 0 & 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & -2 \\ 0 & 1 & -3 & -3 \\ 0 & 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & -2 \\ 0 & 1 & -3 & -3 \\ 0 & 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & -2 \\ 0 & 1 & -3 & -3 \\ 0 & 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & -2 \\ 0 & 1 & -3 & -3 \\ 0 & 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & -2 \\ 0 & 1 & -3 & -3 \\ 0 & 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & -1 & -1 \\ 0 & -2 & -3 & -4 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \\ 0 & -2 & -3 & -4 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \\ 0 & 0 & -1 & -2 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \\ 0 & 0 & -1 & -2 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \\ 0 & 0 & -1 & -2 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \\ 0 & 0 & -1 & -2 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \\ 0 & 0 & -1 & -2 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \\ 0 & 0 & -1 & -2 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \\ 0 & 0 & -1 & -2$$

$$\xrightarrow{\text{line2 } -= \text{ line3}} \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & -1 \\ 0 & 0 & 1 & 2 \end{pmatrix}$$

$$\frac{1 \quad 1 \quad -1 \quad 3}{-3 \quad -2 \quad 3 \quad -9} \\
-3 \quad -1 \quad 2 \quad -8$$

$$\frac{|\text{line2} += |\text{line1} \times (3)|}{-3 \quad -1 \quad 2 \quad -8}$$

$$\frac{|\text{line2} += |\text{line1} \times (3)|}{-3 \quad -1 \quad 2 \quad -8}$$

$$\frac{|\text{line3} += |\text{line1} \times (3)|}{-3 \quad -1 \quad 2 \quad -8}$$

$$\frac{|\text{line3} += |\text{line1} \times (3)|}{-3 \quad 1 \quad 0 \quad 0}$$

$$0 \quad 2 \quad -1 \quad 1$$

$$\frac{|\text{line3} \times= (-1)|}{-3 \quad 0 \quad 0 \quad 0 \quad 0 \quad 0 \quad 1 \quad -1}$$

$$\frac{|\text{line3} \times= (-1)|}{-3 \quad 0 \quad 0 \quad 0 \quad 0 \quad 0 \quad 1 \quad -1}$$

$$\frac{|\text{line1} += |\text{line3}|}{-3 \quad 0 \quad 0}$$

$$\frac{|\text{line1} += |\text{line3}|}{-3 \quad 0 \quad 0 \quad 0 \quad 0 \quad 0 \quad 0}$$

$$\frac{|\text{line1} += |\text{line3}|}{-3 \quad 0 \quad 0 \quad 0 \quad 0 \quad 0}$$

$$\frac{|\text{line1} += |\text{line3}|}{-3 \quad 0 \quad 0 \quad 0 \quad 0 \quad 0 \quad 0}$$