$$\begin{vmatrix}
1 & -1 & 0 \\
2 & -3 & 0 \\
3 & -3 & 0
\end{vmatrix} = -30 - 2 - 30 + 28 + 36 + 28 = 4 + 0$$

$$\begin{vmatrix}
1 & -3 & 0 \\
4 & -3 & 0
\end{vmatrix} = -30 - 2 - 30 + 28 + 36 + 28 = 4 + 0$$

$$\begin{vmatrix}
A_{12} & -3 & 0 \\
5 & 3
\end{vmatrix} = -30 - 2 - 30 + 28 + 36 + 28 = 4 + 0$$

$$\begin{vmatrix}
A_{12} & -3 & 0 \\
5 & 3
\end{vmatrix} = -30 + 25 = -3$$

$$\begin{vmatrix}
A_{21} & -3 & 0 \\
5 & 3
\end{vmatrix} = -30 + 25 = -3$$

$$\begin{vmatrix}
A_{21} & -3 & 0 \\
5 & 3
\end{vmatrix} = -30 + 25 = -3$$

$$\begin{vmatrix}
A_{21} & -3 & 0 \\
5 & 3
\end{vmatrix} = -30 + 25 = -3$$

$$\begin{vmatrix}
A_{21} & -3 & 0 \\
5 & 3
\end{vmatrix} = -6 + 5 = -1$$

$$\begin{vmatrix}
A_{21} & -3 & 0 \\
5 & 3
\end{vmatrix} = -6 + 5 = -1$$

$$\begin{vmatrix}
A_{21} & -3 & 0 \\
5 & 3
\end{vmatrix} = -6 + 5 = -1$$

$$\begin{vmatrix}
A_{21} & -3 & 0 \\
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\end{vmatrix} = -6 + 5 = -1$$

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5 & 3
\end{vmatrix} = -6 + 5 = -1$$

$$\begin{vmatrix}
A_{21} & -3 & 0 \\
5 & 3
\end{vmatrix} = -6 + 5 = -1$$

$$\begin{vmatrix}
A_{21} & -3 & 0 \\
5 & 3
\end{vmatrix} = -6 + 5 = -1$$

$$\begin{vmatrix}
A_{21} & -3 & 0$$

2) 
$$\vec{A} = \begin{pmatrix} -1 & 1 & 1 \\ -1 & 1 & 2 \\ -3 & 1 & 2 \end{pmatrix}$$

$$\vec{A} = \begin{pmatrix} -1 & 2 & -1 \\ -3 & 1 & 2 \end{pmatrix} = \begin{pmatrix} -1 & 2 & -1 \\ -3 & 1 & 2 \end{pmatrix}$$

$$\vec{A} = \begin{pmatrix} 1 & 2 & 1 & 2 \\ -3 & 3 & 2 & 2 \end{pmatrix} = \begin{pmatrix} -1 & 2 & -1 \\ -3 & 3 & 2 \end{pmatrix} = 27 + 9 + 2 - 6 - 12 - 3 = 1$$

$$\vec{A} = \begin{pmatrix} 3 & 1 \\ 1 & 3 \end{pmatrix} = 27 + 9 + 2 - 6 - 12 - 3 = 1$$

$$\vec{A} = \begin{pmatrix} 3 & 1 \\ 1 & 3 \end{pmatrix} = 3 - 1 = 8$$

$$\vec{A} = \begin{pmatrix} 2 & 1 \\ 2 & 3 \end{pmatrix} = \begin{pmatrix} 6 - 2 \end{pmatrix} = -9$$

$$\vec{A} = \begin{pmatrix} 2 & 1 \\ 2 & 3 \end{pmatrix} = 2 - 6 = -9$$

$$\vec{A} = \begin{pmatrix} 2 & 1 \\ 2 & 3 \end{pmatrix} = 3 - 2 = 7$$

$$\vec{A} = \begin{pmatrix} 2 & 1 \\ 2 & 3 \end{pmatrix} = 3 - 2 = 7$$

$$\vec{A} = \begin{pmatrix} 3 & 2 \\ 2 & 3 \end{pmatrix} = 3 - 2 = 7$$

$$\vec{A} = \begin{pmatrix} 3 & 2 \\ 2 & 3 \end{pmatrix} = 3 - 2 = 7$$

$$\vec{A} = \begin{pmatrix} 3 & 2 \\ 2 & 3 \end{pmatrix} = 3 - 2 = 7$$

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$$\vec{A} = \begin{pmatrix} 3 & 2 \\ 2 & 3 \end{pmatrix} = 3 - 2 = 7$$

$$\vec{A} = \begin{pmatrix} 3 & 2 \\ 2 & 3 \end{pmatrix} = 3 - 2 = 7$$

$$\vec{A} = \begin{pmatrix} 3 & 2 \\ 2 & 3 \end{pmatrix} = 3 - 2 = 7$$

$$A_{33} = \begin{vmatrix} 3 & 2 \\ 3 & 3 \end{vmatrix} = 3 - 4 = 5$$

$$A_{35} = \begin{vmatrix} 3 & 2 \\ 3 & 3 \end{vmatrix} = 3 - 4 = 5$$

$$A_{35} = \begin{vmatrix} 3 & 2 \\ 4 & 3 \end{vmatrix} = 3 - 4 = 5$$

$$A_{35} = \begin{vmatrix} 3 & 2 \\ 4 & 3 \end{vmatrix} = 45 + 84 + 86 - 105 - 72 - 49 = 6$$

$$A_{35} = \begin{vmatrix} 4 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{vmatrix} = 45 + 84 + 86 - 105 - 72 - 49 = 6$$

$$A_{35} = \begin{vmatrix} 4 & 3 & 4 \\ 7 & 8 & 9 \end{vmatrix} = -15 + 30 + 2 - 15 - 3 + 20 = 19$$

$$A_{12} = -\frac{1}{5} = \frac{2}{1} = 3 + 4 = 1$$

$$A_{12} = -\frac{1}{5} = \frac{2}{1} = 2 - 15 = -13$$

$$A_{14} = \begin{vmatrix} 3 & 1 \\ 2 & 1 \end{vmatrix} = -\beta - 2 = -1$$

$$A_{22} = \begin{vmatrix} -5 & 1 \\ 3 & 2 \end{vmatrix} = -(10 + 15) = -25$$

$$A_{34} = \begin{vmatrix} -5 & 2 \\ 3 & 2 \end{vmatrix} = (-6 + 3) = -3$$

$$A_{12} = \begin{vmatrix} 5 & 2 \\ 1 & 2 \end{vmatrix} = -(-10 - 1) = 11$$

$$A_{23} = \begin{vmatrix} 5 & 3 \\ 1 & 2 \end{vmatrix} = -15 \cdot 3 = -12$$

$$2) \vec{A} = \begin{pmatrix} -6 & 70 & 1 \\ -13 & 35 & -12 \end{pmatrix}$$

$$A^{-1} = \frac{1}{19} \cdot \begin{pmatrix} 4 & -1 & 3 \\ -13 & 25 & -12 \end{pmatrix} = \begin{pmatrix} \frac{1}{13} & \frac{1}{15} & \frac{2}{15} \\ -\frac{13}{15} & \frac{7}{15} & \frac{17}{15} \end{pmatrix}$$