$$\begin{cases}
22 & 27 & 9 & 1 \\
9 & 19 & 13 & 2 \\
3 & 13 & 11 & 4 \\
1 & 6 & 12 & 3
\end{cases}$$

$$\begin{cases}
21\}$$

$$\begin{pmatrix}
14 & 24 & 12 & 2 \\
8 & 14 & 10 & 2 \\
4 & 10 & 6 & 2 \\
2 & 6 & 6 & 0
\end{pmatrix}$$

$$\begin{cases}
111\}$$

$$\begin{pmatrix}
1 & 3 & 3 & 1 \\
1 & 2 & 1 & 0 \\
1 & 1 & 0 & 0 \\
1 & 0 & 0 & 0
\end{pmatrix}$$