NI

Bemuluen lectury & pecumpenny a morphyy.

$$\begin{array}{c}
\overline{11} \Rightarrow \overline{11} + \overline{11} \\
\overline{11} \Rightarrow \overline{11} - 3 \cdot \overline{11} \\
0 & 1 - 1 & 0 & 0 \\
0 & 0 & 2 & 0 & 1
\end{array}$$

$$\begin{array}{c}
\overline{11} \Rightarrow \overline{11} - 3 \cdot \overline{11} \\
0 & 1 - 1 & 0 & 0 \\
0 & 0 & 2 & 0 & 1
\end{array}$$

$$\begin{array}{c}
1 - 1 & 2 & 1 - 1 \\
0 & 1 - 1 & 0 & 0 \\
0 & 0 & 2 & 0 & 1
\end{array}$$

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1 - 1 & 2 & 1 - 1 \\
0 & 1 - 1 & 0 & 0 \\
0 & 0 & 2 & 0 & 1
\end{array}$$

$$\begin{array}{c}
1 - 1 & 2 & 1 - 1 \\
0 & 1 - 1 & 0 & 0 \\
0 & 0 & 2 & 0 & 1
\end{array}$$

$$\frac{[1] - [1 + [1]}{[1] - [2] - [2]} \begin{pmatrix} 1 - 1 & 0 & 1 - 2 \\ 0 & 1 & 0 & 0 & \frac{1}{2} \\ 0 & 0 & 1 & 0 & \frac{1}{2} \end{pmatrix} \xrightarrow{[-3] + [1]} \begin{pmatrix} 1 & 0 & 0 & 1 - \frac{3}{2} \\ 0 & 1 & 0 & 0 & \frac{1}{2} \\ 0 & 0 & 1 & 0 & \frac{1}{2} \end{pmatrix}$$

$$\Phi C P : V_1 \ge \begin{pmatrix} -1 \\ 0 \\ 0 \\ 1 \\ 0 \end{pmatrix} \qquad V_2 \ge \begin{pmatrix} \frac{3}{2} \\ -\frac{1}{2} \\ -\frac{1}{2} \\ 0 \\ 1 \end{pmatrix}$$

N 2

$$V_{1} = \begin{pmatrix} 1 \\ -1 \\ -2 \\ 2 \\ 1 \end{pmatrix} \qquad V_{2} \neq \begin{pmatrix} -2 \\ 1 \\ 2 \\ -1 \\ -1 \end{pmatrix} \qquad V_{3} = \begin{pmatrix} -2 \\ -1 \\ -2 \\ -3 \\ 1 \end{pmatrix} \qquad V_{4} \neq \begin{pmatrix} -1 \\ 0 \\ 0 \\ 2 \\ -3 \end{pmatrix}$$

Hangen Truyto natpuyy A, 200 upn nogerablemen buero X l
grabnemic Ax 20 Modor uz bentopol 2V1, V2, V3, V4}, y Hac nolyvalou
bepind pablició. Where Deminen zo ywolnic e mesery, a cucieny

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

$$\begin{pmatrix}
1 - 1 - 2 & 0 & 1 \\
0 - 1 - 2 & 0 & 1 \\
0 - 1 - 2 & - 1 & 1 \\
0 - 3 - 6 - 33 \\
0 - 1 - 2 & 2 - 2
\end{pmatrix}$$

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

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

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0 - 1 - 2 & 0 & 1 \\
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\end{pmatrix}$$

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

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

$$\frac{1}{1} = \frac{1}{1} = \frac{1}$$