$$\overrightarrow{A}' = \begin{cases} 1/5 & 1/5 & -2/5 & | 1 & 0 & 0 \\ 1/5 & 1/5 & 1/6 & | 0 & 0 & 0 \\ 1/5 & -9/5 & 1/10 & | 0 & 0 & 1 \\ \end{cases}$$

$$\frac{H_{1}(5)}{1/5} \begin{cases} 1 & 1-2 & | 5 & 0 & 0 \\ 1/5 & 1/5 & 1/10 & | 0 & 1 & 0 \\ 1/5 & -4/5 & 1/10 & | 0 & 0 & 1 \end{cases} \underbrace{H_{21}(-1/5)}_{1/5} \begin{cases} 1 & 1-2 & | 5 & 0 & 0 \\ 0 & 0 & 1/2 & | -1 & 1 & 0 \\ 1/5 & -4/5 & 1/10 & | 0 & 0 & 1 \end{cases}$$

$$\begin{array}{c} H_{31}(-1/5) \begin{pmatrix} 1 & 1 & -2 & | & 5 & 0 & 0 \\ 0 & 0 & 1/2 & | & -1 & 1 & 0 \\ 6 & -1 & 1/2 & | & -1 & 0 & 1 \end{pmatrix} \xrightarrow{H_{23}} \begin{pmatrix} 1 & 1 & -2 & | & 5 & 0 & 0 \\ 0 & -1 & 1/2 & | & -1 & 0 & 1 \\ 0 & 0 & 1/2 & | & -1 & 1 & 0 \end{pmatrix}$$

$$\frac{H_{2}(-1)}{0} \begin{bmatrix} 1 & 1 & -2 & 6 & 0 & 0 \\ 0 & 1 & -1/2 & 1 & 0 & -1 \\ 0 & 0 & 1/2 & -1 & 1 & 0 \end{bmatrix} \underbrace{H_{12}(-1)}_{0} \begin{bmatrix} 1 & 0 & -3/2 & 14 & 0 & 1 \\ 0 & 1 & -1/2 & 1 & 0 & -1 \\ 0 & 0 & 1/2 & -1 & 1 & 0 \end{bmatrix}$$

$$\frac{\text{H}_{3}(2)}{0} = \begin{bmatrix} 1 & 0 & -3/2 & 4 & 0 & 1 \\ 0 & 1 & -1/2 & 1 & 0 & -1 \\ 0 & 0 & 1 & -2 & 2 & 0 \end{bmatrix} \xrightarrow{\text{H}_{13}(3/2)} \begin{bmatrix} 1 & 0 & 6 & 1 & 3 & 1 \\ 0 & 1 & -1/2 & 1 & 0 & -1 \\ 0 & 0 & 1 & -2 & 2 & 0 \end{bmatrix}$$

$$H_{23}(1/2) \begin{pmatrix} 1 & 0 & 0 & | & 1 & 3 & 1 \\ 0 & 1 & 0 & | & 0 & 1 & -1 \\ 0 & 0 & 1 & | & -2 & 2 & 0 \end{pmatrix}$$

SPL Menggunatian Gauss-Jordan

$$\begin{pmatrix}
1 & 3 & 1 & | & 4 \\
2 & 2 & 1 & | & -1 \\
2 & 3 & 1 & | & 3
\end{pmatrix}$$

$$\begin{pmatrix}
1 & 3 & 1 & | & 4 \\
0 & -4 & -1 & | & -9 \\
2 & 3 & 1 & | & 3
\end{pmatrix}$$

$$\begin{pmatrix}
1 & 3 & 1 & | & 4 \\
0 & -4 & -1 & | & -9 \\
2 & 3 & 1 & | & 3
\end{pmatrix}$$

$$\begin{pmatrix}
1 & 3 & 1 & | & 4 \\
0 & -4 & -1 & | & -9 \\
2 & 3 & 1 & | & 3
\end{pmatrix}$$

$$\begin{pmatrix}
1 & 3 & 1 & | & 4 \\
0 & -3 & -1 & | & -9 \\
0 & -3 & -1 & | & -5
\end{pmatrix}$$

$$\begin{pmatrix}
1 & 3 & 1 & | & 4 \\
0 & -4 & -1 & | & -9 \\
0 & 1 & 1/4 & | & 9/4
\end{pmatrix}$$

$$\begin{pmatrix}
1 & 0 & 1/4 & | & -11/4 \\
9/4 & | & -14/4 & | & 9/4
\end{pmatrix}$$

$$\begin{pmatrix}
1 & 0 & 1/4 & | & -11/4 \\
0 & 1 & 1/4 & | & 9/4
\end{pmatrix}$$

$$\begin{pmatrix}
1 & 0 & 1/4 & | & -11/4 \\
0 & 0 & -1/4 & | & -1/4
\end{pmatrix}$$

$$\begin{pmatrix}
1 & 0 & 1/4 & | & -1/4 \\
0 & 0 & -1/4 & | & -1/4
\end{pmatrix}$$

$$\frac{\text{H}_{3}(-4)}{\binom{0}{6}} = \begin{pmatrix} 1 & 0 & 1/4 & -1/4 & -1/4 & -1/4 \\ 0 & 1 & 1/4 & 9/4 & -7 \end{pmatrix} = \begin{pmatrix} 1 & 0 & 0 & -1 & -1 \\ 0 & 1 & 0 & 1 & -7 \\ 0 & 0 & 1 & -7 \end{pmatrix}$$

: didapat r(A) = 3, F(A,B) = 3, dan n=3karena F(A) = r(A,B) = r, maka spj dialos odusi lunggal. SPL memilihi dausi honsiaten lunggal $\begin{pmatrix} x \\ 7 \end{pmatrix} = \begin{pmatrix} -1 \\ 4 \\ -7 \end{pmatrix}$