$$\begin{bmatrix}
1 & 2 & -1 \\
1 & -1 & 1 \\
-3 & 0 & -1 \\
1 & -1 & 1
\end{bmatrix}
-R_1$$

$$\begin{bmatrix}
1 & 2 & -1 \\
0 & -3 & 2 \\
0 & 6 & -4 \\
0 & -3 & 2
\end{bmatrix}
-R_2$$

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

Baris of Uz

$$\begin{bmatrix} -1 & 2 & -3 \\ -2 & -2 & 6 \\ 2 & 0 & -2 \\ 1 & 0 & -1 \end{bmatrix}$$
 smap with R_{γ}
$$\begin{bmatrix} 1 & 0 & -1 \\ -2 & -2 & 6 \\ 2 & 0 & -2 \\ -1 & 2 & -3 \end{bmatrix} + 2R_{\gamma}$$
 where R_{γ}
$$\begin{bmatrix} 1 & 0 & -1 \\ 0 & -2 & 4 \\ 0 & 0 & 0 \\ 0 & 2 & -4 \end{bmatrix} + R_{2}$$

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

Basis of (V, N V2)

Let B be the pairs of $(V_1 \wedge V_2)$ W = span(8)

= \ W satisfies (w \ V_1) \ (W \ V_2)

There exists some $\underline{w} \in \mathbb{W} \setminus \{\underline{0}\}$ such that

where
$$d_1, d_2, d_4, d_5 \in IR \setminus \{0\}$$

45 is a gree variable : is a linearly dependent vector.

$$\begin{bmatrix}
1 & 2 & 1 & 2 \\
1 & -1 & 2 & -2 \\
-3 & 0 & -2 & 0 \\
1 & -1 & -1 & 0
\end{bmatrix}
-R_1$$

$$\begin{bmatrix}
1 & 2 & 1 & 2 \\
0 & -3 & 1 & -4 \\
0 & 6 & 1 & 6 \\
0 & -3 & -2 & -2
\end{bmatrix}
-R_2$$

$$\begin{bmatrix}
1 & 2 & 1 & 2 \\
0 & 1 & -\frac{1}{3} & \frac{4}{3} \\
0 & 0 & 3 & -2 \\
0 & 0 & -3 & 2
\end{bmatrix}
+R_3$$

$$\begin{bmatrix}
1 & 2 & 1 & 2 \\
0 & 1 & -\frac{1}{3} & \frac{4}{3} \\
0 & 0 & 3 & -2 \\
0 & 0 & -3 & 2
\end{bmatrix}
+R_3$$