LINAG 08 2.8.10	$U_1, U_2, U_3 \subseteq \mathbb{R}^{3 \times 1}$ wit $U_1 \cap U_2 = U_2 \cap U_3 = U_3 \cap U_1 = \{0\}$
UnnUz	$= \begin{cases} v : x_1 \cdot {\binom{0}{0}} = v = x_2 \cdot {\binom{0}{0}} \end{cases}$ $\times_1 \cdot {\binom{0}{0}} = {\binom{0}{0}} = v = {\binom{0}{2}} = x_2 \cdot {\binom{0}{0}}$ $(x_1) \cdot {\binom{0}{0}} = {\binom{0}{0}} = v = {\binom{0}{2}} = x_2 \cdot {\binom{0}{0}}$
$U_2 \cap U_3 = 0$	$\begin{pmatrix} x_1 \\ 0 \\ 0 \\ 0 \end{pmatrix} = \begin{pmatrix} x_2 \\ 0 \\ 0 \end{pmatrix} \implies x_1 = x_2 = 0$ $v: x_2 \cdot \begin{pmatrix} 3 \\ 0 \end{pmatrix} = v = x_3 \cdot \begin{pmatrix} 1 \\ 2 \\ 0 \end{pmatrix} \stackrel{?}{3} \implies U_1 \cap U_2 = \stackrel{?}{3} \circ \stackrel{?}{3}$
	$\begin{pmatrix} 0 \\ x_2 \\ 0 \end{pmatrix} = \begin{pmatrix} x_3 \\ x_3 \\ 0 \end{pmatrix} \implies x_3 = x_2 = 0$ $\Rightarrow 0 \Rightarrow 0 $
$V_1 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$	$\begin{pmatrix} x_3 \\ x_3 \\ 0 \end{pmatrix} = \begin{pmatrix} x_1 \\ 0 \\ 0 \end{pmatrix} = x_3 = x_1 = 0$ $\Rightarrow y_3 = y_1 = y_2 = y_3 = y_$
	$-v_2 = {1 \choose 0} + {1 \choose 0} = {1 \choose 0} = v_3$ $\Rightarrow Some ist wicht direkt$