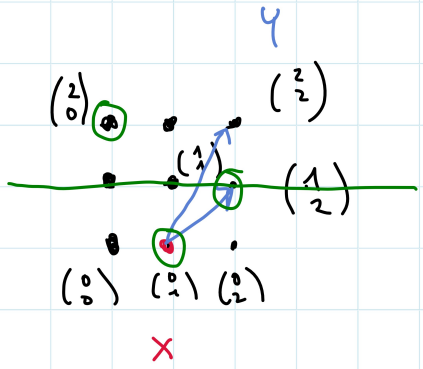
$A = \mathbb{Z}_3^2$ $V = \mathbb{Z}_3^2$ $\begin{pmatrix}0\\0\end{pmatrix}$ + $\mathbb{F}_4$



$\vec{n} = \begin{pmatrix}2\\1\end{pmatrix}$

$x + \vec{n} = y$

LN báze $\mathcal{B}$

* afinní souřadnice S_c $\left(\begin{pmatrix}0\\1\end{pmatrix}, \begin{pmatrix}2\\1\end{pmatrix}, \begin{pmatrix}1\\1\end{pmatrix}\right)$

Kanonická SS $\left(\begin{pmatrix}0\\0\end{pmatrix}, \begin{pmatrix}1\\0\end{pmatrix}, \begin{pmatrix}0\\1\end{pmatrix}\right)$

$B_1 = \left\{\begin{pmatrix}0\\0\end{pmatrix}, \begin{pmatrix}0\\1\end{pmatrix}, \begin{pmatrix}1\\2\end{pmatrix}\right\}$ afinní podprostor?

$\begin{pmatrix}1\\0\end{pmatrix} + L\left\{\begin{pmatrix}0\\1\end{pmatrix}\right\}$ ✓

$\rightarrow$ $(1\ 0)\begin{pmatrix}x_1\\x_2\end{pmatrix} = 1$

$B_2 = \begin{pmatrix}0\\1\end{pmatrix} + L\left\{\begin{pmatrix}1\\1\end{pmatrix}\right\} = \left\{\begin{pmatrix}0\\1\end{pmatrix}, \begin{pmatrix}1\\2\end{pmatrix}, \begin{pmatrix}2\\0\end{pmatrix}\right\}$

$\left[\begin{pmatrix}2\\1\end{pmatrix}\right]_S = \left[\begin{pmatrix}2\\1\end{pmatrix} - \begin{pmatrix}0\\1\end{pmatrix}\right]_B = \left[\begin{pmatrix}2\\0\end{pmatrix}\right]_B = \begin{pmatrix}2\\1\end{pmatrix}$ $\left(\begin{array}{cc|c}2&1&2\\1&1&0\end{array}\right) \sim$

$\sim \left(\begin{array}{cc|c}2&1&2\\0&2&2\end{array}\right)$ $\begin{pmatrix}2\\1\end{pmatrix}$