

$$B_1 = \{ \overline{p}_1 = x - 1, \overline{p}_2 = -1 \} \subset R, [x]$$

$$B_2 = \{ \overline{v}_1 = (1, 0), \overline{v}_2 = (1, 1) \}$$

$$\begin{bmatrix} -1 \\ -2 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 6 & 1 \end{bmatrix} \begin{bmatrix} B_1 \\ B_2 \end{bmatrix}$$

$$(2a + b, 4a + 2b) = (0, 0)$$

$$\begin{cases} 2a + b = 0 \\ 4a + 2b = 0 \end{cases} \quad \left| \begin{array}{cc|c} 2 & 1 & 0 \\ 4 & 2 & 0 \end{array} \right| \quad \Rightarrow \text{Rang} = 1$$

$$2a = -b$$

$$a = -\frac{b}{2}$$

$$-\frac{b}{2}, b$$

$$\ker F \left(-\frac{b}{2}x + b \right)$$