$$3 = \{v_{1}, v_{2}, v_{3}\} \stackrel{b}{\smile} V \qquad T(v_{1}) = v_{1} + v_{2} - v_{3} \\ \{v_{1}, v_{2} + v_{3}, v_{3}\} \stackrel{b}{\smile} V \qquad T(v_{2} + v_{3}) = -v_{1} + 5v_{2} \\ \{v_{1}, v_{2} + v_{3}, v_{3}\} \stackrel{b}{\smile} V \qquad T(v_{3}) = v_{1} + 2v_{2} + 3v_{3}$$

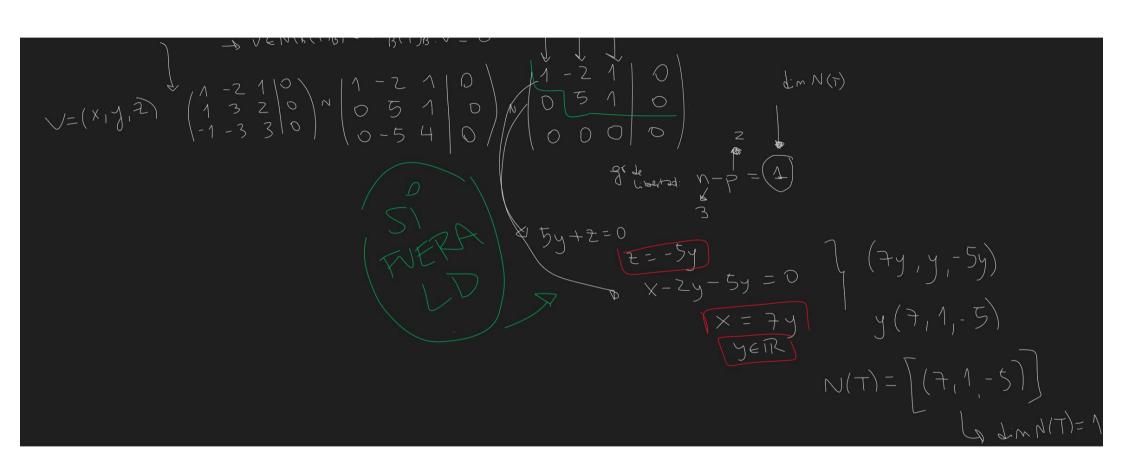
$$B(T)_{B} = \begin{pmatrix} v_{0}v_{1} & T(v_{1}) & conv_{1} & T(v_{2}) & conv_{2} & T(v_{3}) \\ T(v_{2}) & conv_{3} & T(v_{3}) & conv_{3} & T(v_{3}) \end{pmatrix}$$

$$E(T)_{B} = \begin{pmatrix} 1 - 2 & 1 \\ 1 & 3 & 2 \\ -1 - 3 & 3 \end{pmatrix}$$

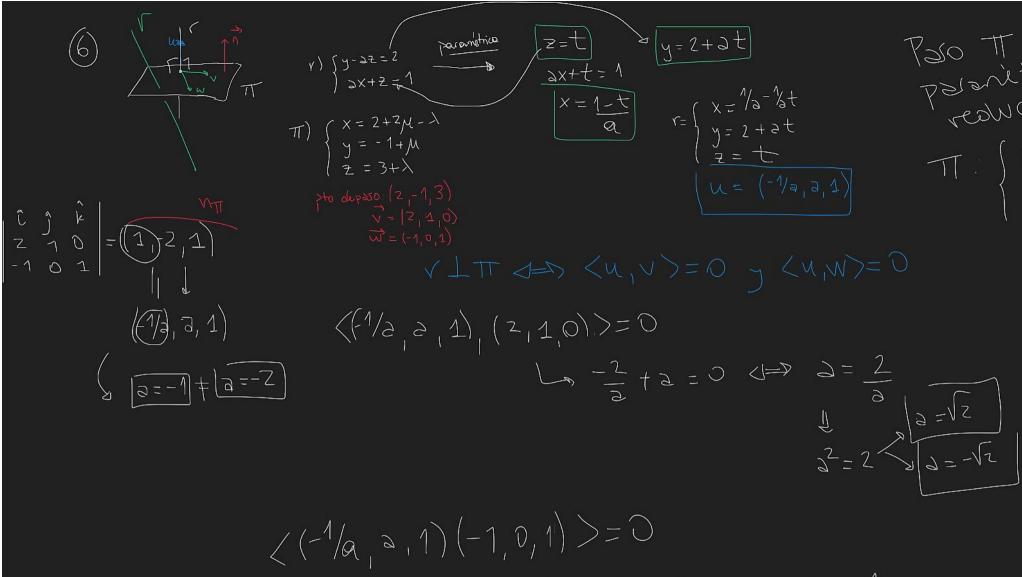
$$V \in N(s(T)_{B}) \stackrel{\text{dim}}{\longleftrightarrow} N(T) = 0$$

$$N(T)_{B} = 0$$

$$N(T)_{B} = 0$$



R4 => 2m Ra=4 es genna der



 $|1\rangle = 0$ $|1\rangle = 1$ $|1\rangle = 1$ $|1\rangle = 1$ $|1\rangle = -1$ $|1\rangle = -1$ $|1\rangle = -1$

Parott de a
Paranitrica
Preducida:

$$X = 2 + 2M - \lambda$$

 $Y = -1 + M$
 $Z = 3 + \lambda$

1 - 17

 $\frac{S}{N(T+T_0)}$

 $I^{\varphi}(\wedge) = \wedge$

Tesbite

$$A = \begin{bmatrix} 1 & 0 & 1 \\ 2 & A & 1 \end{bmatrix}$$

$$A = \begin{bmatrix} 1 & 0 & 1 \\ 0 & -1 & 1 \end{bmatrix}$$

$$A = \begin{bmatrix} 1 & 0 & 1 \\ 0 & -1 & 0 \end{bmatrix}$$