S:
$$1-\lambda^2=0$$
 = $\lambda=1$ } = λ = 1 invertible

$$A = \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix} + \langle A \rangle = 1$$

$$AB = \begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix} + \langle AB \rangle = 0$$

$$AB = \begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}$$

A es inv (A)=N

(x,y,z) = (1,1,1) + (1/2)(z,2,-2)(x,y,z) = (2,2,0)

$$A \begin{pmatrix} x \\ y \\ z \end{pmatrix} = \begin{pmatrix} 6 \\ 3 \\ 3 \end{pmatrix}$$

$$A \begin{pmatrix} x \\ y \\ z \end{pmatrix} = \begin{pmatrix} 1 \\ 1 \\ 0 \end{pmatrix} + \lambda \begin{pmatrix} -1 \\ -2 \end{pmatrix} + \mu \begin{pmatrix} 2 \\ 0 \\ 1 \end{pmatrix}$$

$$A = \begin{pmatrix} 3 & b & c \\ 3 & c & f \\ 3 & c & f \\ 4 & c & f \\ 5 & c & f \\ 6 & c & f \\ 7 &$$

(10)
$$A B \in M \times N$$

 $S_1 = \{x \in \mathbb{R}^n : Ax = Bx \} \in S \cup N$
 $= \{x \in \mathbb{R}^n : Ax - Bx = 0\}$
 $= \{x \in \mathbb{R}^n : A - B\} = 0\}$
 $= \{x \in \mathbb{R}^n : A - B\} = 0\}$
 $S_1 = \{x \in \mathbb{R}^n : A - B\} = 0\}$
 $S_2 = \{x \in \mathbb{R}^n : A^2 = B^2 \times \{x \in \mathbb{R}^n : Ax = B \times -x \}\}$
 $S_3 = \{x \in \mathbb{R}^n : Ax = Bx - x \}$
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 $S_4 = \{x \in \mathbb{R}^n : Ax = Bx - x \}$

$$S_{3} = \left\{ \times \in \mathbb{R}^{n} : A_{\times} = B_{\times} - \times \right\}$$

$$= \left\{ 11 : A_{\times} = (B - I)_{\times} \right\}$$

$$= \left\{ 11 : A - B + I \right\} \times = 0$$

$$\Rightarrow S_{3} \in \mathbb{R}^{n} : A_{\times} = B_{\times} - \times \right\}$$