$$\begin{array}{l} \overline{SS} \ \ \, \text{Considers Papplications } \quad T: \mathbb{R}^3 \rightarrow \mathbb{R}^3 \quad \text{data da} \quad T(x) = \begin{bmatrix} x_1 + x_2 + x_3 \\ x_3 + x_3 \end{bmatrix} \quad \text{Trova}$$

$$A \in M_{3,9}(\mathbb{R}) \text{ tall clue } \quad T = L_A \text{ everifies che } \quad T \text{ injection.}$$

$$A = \begin{bmatrix} x_1 & x_1 \\ y & y \\ y & y \end{bmatrix} \quad \text{Ker } L_A \stackrel{>}{>} \mathbb{R}^3 \quad | X = 5 \mid S \mid S \mid X \mid | x_1 \mid y_2 \mid y_3 \mid x_3 \mid y_3 \mid x_3 \mid y_3 \mid x_3 \mid x_3$$

