

$$\mathcal{D}': \begin{cases} 2x_1 - x_2 + 3x_3 + 1 = 0 \\ 5x_1 + 4x_2 - x_3 + 1 = 0 \end{cases}$$

Metoda I:
$$x_3 = t - 1$$

$$\begin{cases} 2x_1 - x_2 = -3t - 1 & | .4 & | .8x_1 - 4x_2 = -11t - 4 \\ 5x_1 + 4x_2 = t - 1 & | .5x_1 + 4x_2 = t - 1 \end{cases}$$

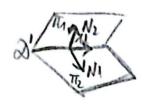
$$=)$$
 $13x_1 = -11t - 5 -) x_1 = -\frac{5}{13} - \frac{11}{13}t$

=)
$$\frac{-10}{13} - \frac{22}{13}t - x_2 = -3t - 1 \Rightarrow x_3 = \frac{-10}{13} - \frac{22}{13}t + \frac{13}{3}t + \frac{13}{13}$$

$$= X_2 = \frac{3}{13} + \frac{17}{13}t$$

$$\mathcal{D}': \begin{cases} X_1 = -\frac{5}{13} - \frac{11}{13}t \\ X_2 = \frac{3}{13} + \frac{13}{13}t \end{cases} = \mathcal{D}': \frac{X_1 + \frac{5}{13}}{\frac{-11}{13}} = \frac{X_2 - \frac{3}{13}}{\frac{12}{13}} = \frac{X_3}{1} = t$$

$$= 2 : \frac{X_1 - \lambda}{-11} = \frac{X_2 + S}{17} = \frac{X_3 - 3}{13} = t \Re$$



Metoda II:

$$\overline{11}_1: 2x_1 - x_2 + 3x_3 + 1 = 0$$

$$N_1 = (2_1 - 1, 3)$$

$$\overline{II_{2}}: 5x_{1} + 9x_{2} - x_{3} + 1 = 0$$

$$N_{2} = (5, 4, -1)$$

$$\mathcal{M}_{2} = \mathcal{N}_{1} \times \mathcal{N}_{2} = \begin{vmatrix} e_{1} & e_{2} & e_{3} \\ 2 & -1 & 3 \\ 5 & 4 & -1 \end{vmatrix} = \begin{vmatrix} -1 & 3 \\ 4 & -1 \end{vmatrix} e_{1} - \begin{vmatrix} 2 & 3 \\ 5 & -1 \end{vmatrix} e_{2} + \begin{vmatrix} 2 & 4 \\ 5 & 4 \end{vmatrix} e_{3} =$$

$$\mathcal{M}_{2} = -11e_{1} + 17e_{2} + 13e_{3} = (-11, 17, 13) \implies \text{(A)}$$

