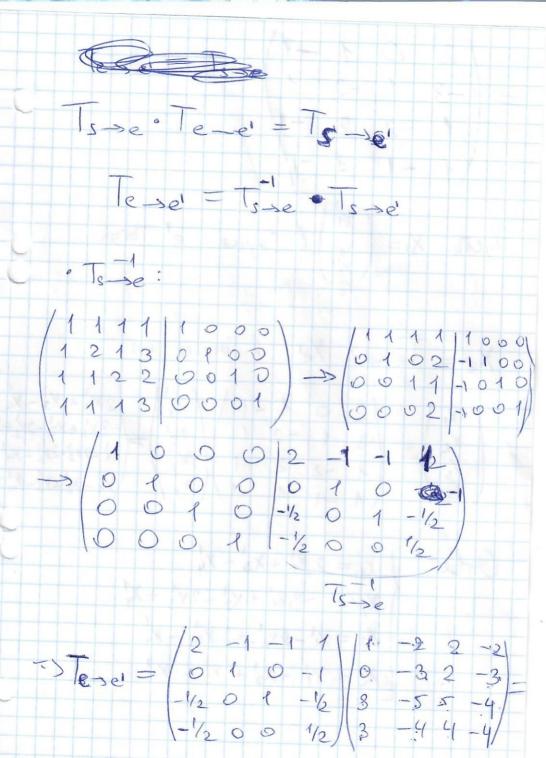
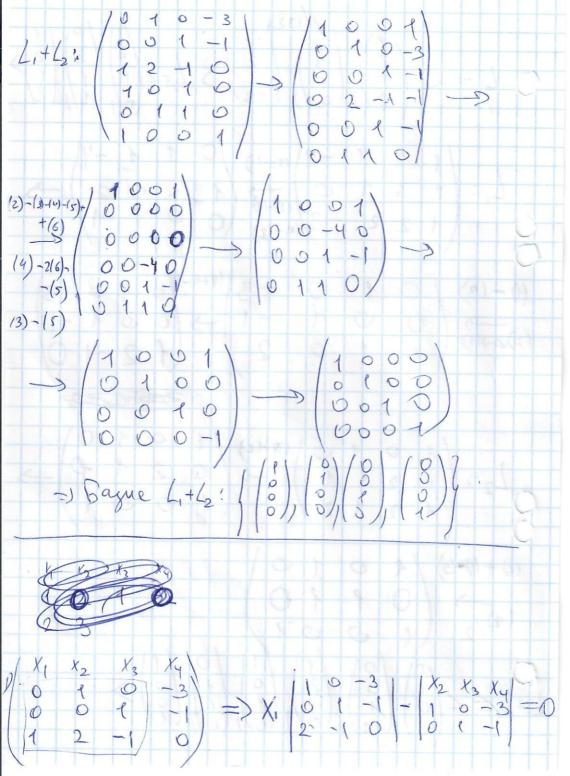
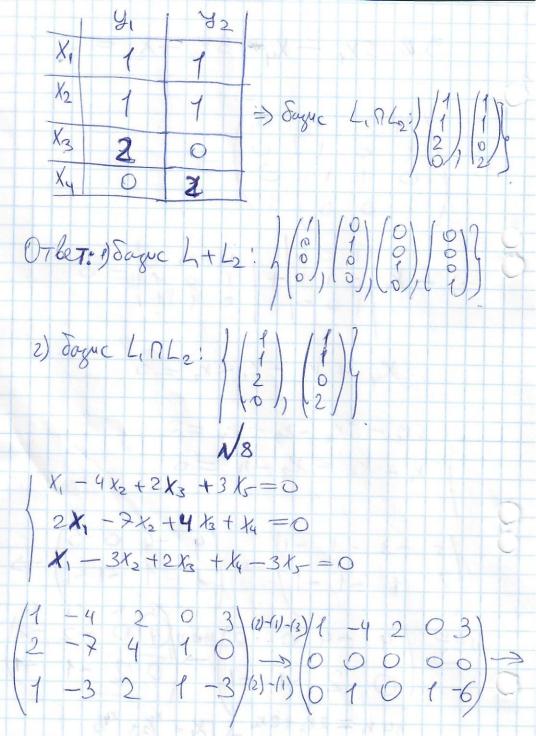
$$e = \begin{cases} \begin{pmatrix} 1 \\ 1 \end{pmatrix} \begin{pmatrix} 2 \\ 1 \end{pmatrix} \begin{pmatrix} 1 \\ 2 \\ 1 \end{pmatrix} \begin{pmatrix} 2 \\ 2 \\ 3 \end{pmatrix} \begin{pmatrix} 2 \\ 3 \\ 3 \end{pmatrix} \begin{pmatrix} 3 \\ 4 \\ 4 \end{pmatrix} \begin{pmatrix} 3 \\ 4 \\ 3 \end{pmatrix} \begin{pmatrix} 3 \\ 4 \\ 4 \end{pmatrix} \begin{pmatrix} 3 \\ 4 \\ 3 \end{pmatrix} \begin{pmatrix} 3 \\ 4 \\ 4 \end{pmatrix} \begin{pmatrix} 3 \\ 4 \end{pmatrix} \begin{pmatrix} 3 \\ 4 \\ 4 \end{pmatrix} \begin{pmatrix} 3 \\ 4 \end{pmatrix} \begin{pmatrix} 3$$

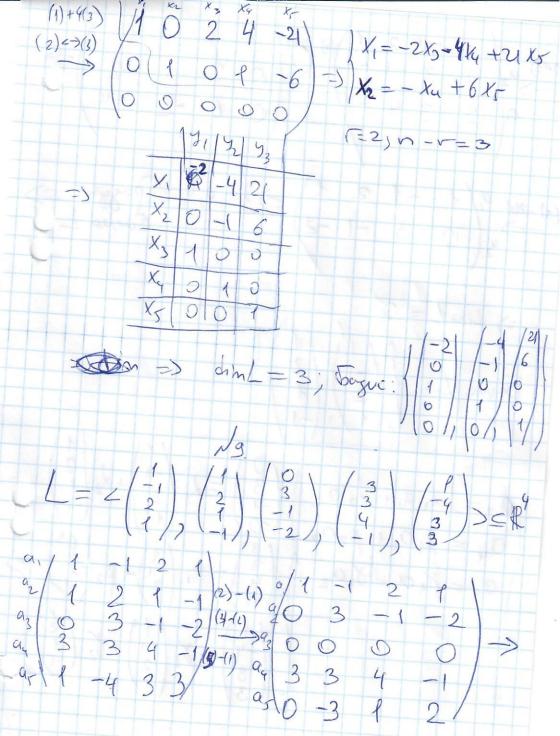


$$\begin{array}{l}
X_{1} - X_{2} - 2X_{3} = 0 \\
X_{1} - X_{2} + 2X_{4} = 0 \\
2X_{1} + X_{2} - X_{5} = 0
\end{array}$$
Orber:
$$\begin{array}{l}
L_{1} = 2 \begin{pmatrix} 2 \\ 0 \\ 1 \end{pmatrix}, \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix}, \begin{pmatrix} 3 \\ 0 \\ 1 \end{pmatrix}, \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix}, \begin{pmatrix} 3 \\ 0 \\ 1 \end{pmatrix}, \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix}, \begin{pmatrix} 3 \\ 0 \\ 0 \end{pmatrix}, \begin{pmatrix} 3 \\ 0 \\ 1 \end{pmatrix}, \begin{pmatrix} 3 \\ 0 \\ 0 \end{pmatrix}, \begin{pmatrix} 3 \\$$

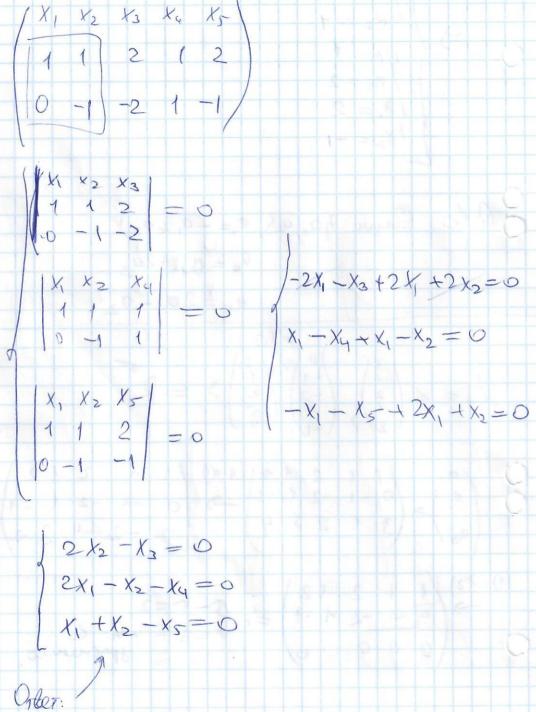
$$L_{1} = \left\langle \begin{pmatrix} \frac{1}{2} \\ \frac{2}{3} \\ \frac{1}{2} \end{pmatrix}, \begin{pmatrix} \frac{1}{2} \\ \frac{2}{3} \\ \frac{1}{2} \end{pmatrix}, \begin{pmatrix} \frac{1}{2} \\ \frac{2}{3} \\ \frac{1}{2} \end{pmatrix}, \begin{pmatrix} \frac{1}{2} \\ \frac{1}{2} \end{pmatrix}, \begin{pmatrix} \frac{1}{2} \\ \frac{1}{2} \end{pmatrix}, \begin{pmatrix} \frac{1}{$$

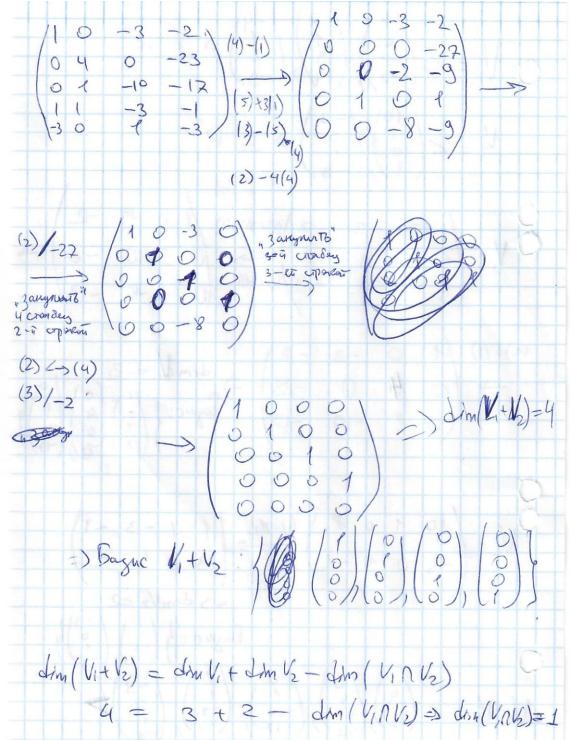


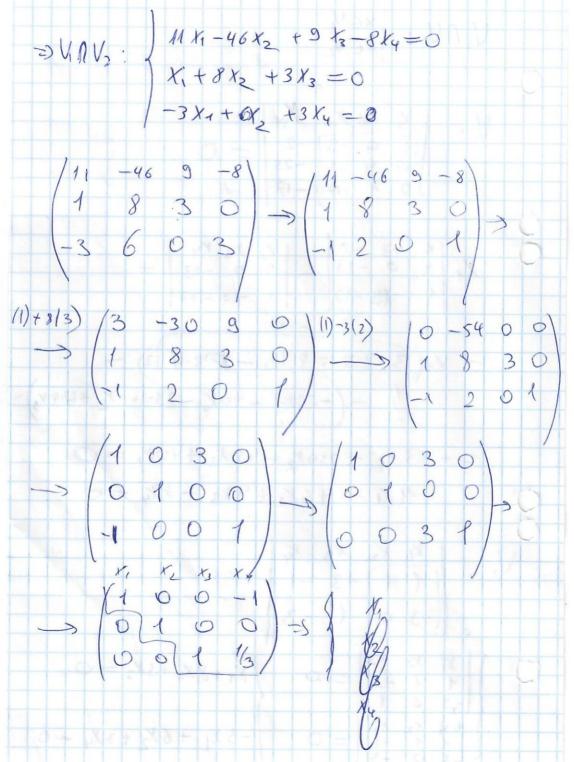




$$\begin{array}{c} J_{1} = -1 \\ J_{2} = 1 \\ J_{3} = 2 \\ J_{3} = 2 \\ J_{3} = 2 \\ J_{3} = -1 \\ J_{2} = -1 \\ J_{3} = 2 \\ J_{3} = 2 \\ J_{4} = 2 \\ J_{5} = 2 \\ J_{5} = 2 \\ J_{6} = 2 \\ J_{7} =$$







$$\begin{array}{c} x_{1} = k_{4} \\ x_{2} = 0 \\ x_{3} = -\frac{1}{3} k_{4} \\ x_{4} = 3 \\ x_{5} = 1 \\ x_{1} = 1 \\ x_{2} = 0 \\ x_{3} = -\frac{1}{3} k_{4} \\ x_{2} = 0 \\ x_{3} = -\frac{1}{3} k_{4} \\ x_{4} = 3 \\ x_{4} = 3 \\ x_{5} = 1 \\ x_{1} = 1 \\ x_{2} = 0 \\ x_{3} = 1 \\ x_{3} = 0 \\ x_{4} = 0 \\ x_{5} = 0 \\$$

$$C_{s \to e^{1}} = C_{s \to e^{1}} \cdot C_{e \to e^{1}}$$

$$C_{e \to e^{1}} = C_{s \to e^{1}} \cdot C_{s \to e^{1}}$$

$$C_{e \to e^{1}} = \begin{pmatrix} -2 & 1 & 1 \\ 1 & -1 & 2 \\ -1 & 3 & -1 \end{pmatrix} \cdot \begin{pmatrix} -1 & 2 & 0 \\ 2 & 1 & 2 \\ 3 & 2 & 1 \end{pmatrix} \cdot \begin{pmatrix} 2 & 1 & 2 \\ 3 & 2 & 1 \end{pmatrix} \cdot \begin{pmatrix} -1 & 2 & 0 \\ 2 & 1 & 2 \\ 3 & 2 & 1 \end{pmatrix} \cdot \begin{pmatrix} -1 & 2 & 0 \\ 1 & -1 & 2 & 0 \\ 2 & 1 & 0 & 1 \end{pmatrix}$$

$$C_{s \to e^{1}} = \begin{pmatrix} -2 & 1 & 1 & 1 & 0 & 0 \\ 1 & -1 & 2 & 0 & 1 \\ 2 & 0 & 1 & 0 & 1 \end{pmatrix} \cdot \begin{pmatrix} -1 & 2 & 0 & 1 \\ 0 & 1 & -1 & 2 & 0 \\ 0 & 1 & -1 & 2 & 0 \\ 0 & 0 & 1 & 2 & 5 & 1 \end{pmatrix}$$

$$C_{s \to e^{1}} = \begin{pmatrix} -2 & 1 & 1 & 1 & 1 & 0 \\ 1 & 1 & 2 & 0 & 1 \\ 0 & 1 & -1 & 2 & 0 \\ 0 & 0 & 1 & 1 & 2 & 5 & 1 \end{pmatrix}$$

$$C_{s \to e^{1}} = \begin{pmatrix} -2 & 1 & 1 & 1 & 1 & 0 \\ 2 & 1 & 2 & 0 & 1 \\ 0 & 1 & -1 & 2 & 0 \\ 0 & 0 & 1 & 2 & 5 & 1 \end{pmatrix}$$

 $X_{\infty} = \begin{cases} -\frac{23}{11}e_1 + \frac{2}{11}e_2 + \frac{2}{11}e_3 \end{cases}$

$$L_{1} = \left\langle \begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix}, \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix} \right\rangle = \left\langle \begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix}, \begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix} \right\rangle$$

$$L_{1} + L_{2} = \left\langle \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix}, \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix}, \begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix}, \begin{pmatrix} 1 \\ 1$$

$$= \lambda_{1} \begin{pmatrix} 1 \\ 1 \end{pmatrix} + \lambda_{2} \begin{pmatrix} 1 \\ 1 \end{pmatrix} + \beta_{1} \begin{pmatrix} 1 \\ 1 \end{pmatrix} + \beta_{2} \begin{pmatrix} 1 \\ -1 \end{pmatrix}$$

$$= \begin{pmatrix} 1 \\ 1 \\ 1 \\ 0 \end{pmatrix} + \begin{pmatrix} 1 \\ 1 \\ 0$$