$$-x_1 + 2x_2 + x_3 = 2$$

$$\begin{bmatrix}
2 & 2 & 3 \\
1 & -1 & 0 \\
-1 & 2 & 1
\end{bmatrix}
\begin{bmatrix}
x_1 \\
x_2 \\
x_3 \\
2
\end{bmatrix}$$

$$A \qquad x = 6$$

Knok 1 
$$W_2' = W_2 - \frac{1}{2} U_1$$
  $W_3' = W_3 + \frac{1}{2} W_4$ 

$$N_3 = N_3 + \frac{3}{2} N_2$$

$$\begin{bmatrix} 2 & 2 & 3 & 3 \\ 0 & -2 & -\frac{3}{2} & \frac{5}{2} \\ 0 & 0 & \frac{1}{4} & \frac{1}{4} \\ 0 & \frac{1}{4} & \frac{1}{4} \\$$

$$-2x_{2}=-\frac{5}{2}+\frac{3}{2}-(-1)$$

$$-2x_2=-\frac{8}{3}$$

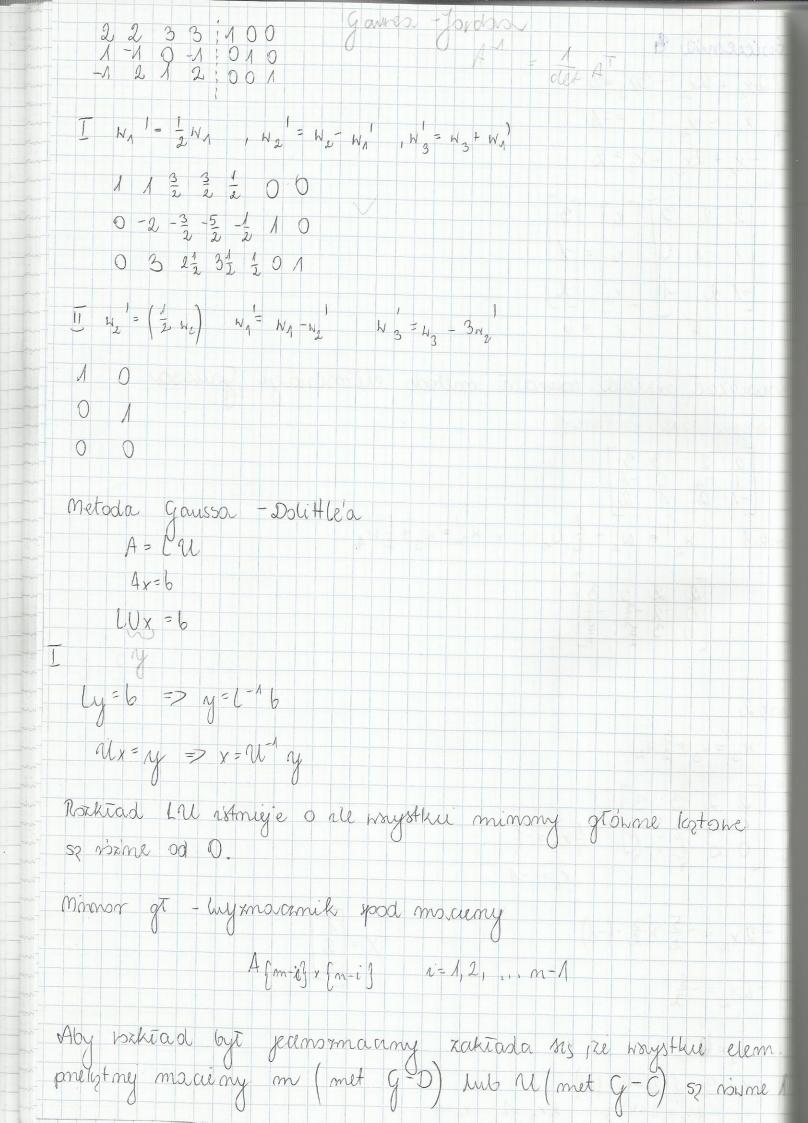
$$2x_1 = 3 - 2 \cdot 2 - 3 \cdot (-1)$$

$$2x_1 = 3 - 4 + 3$$

$$2x_1 = 2$$

$$x_1 = 1$$

$$X = \begin{bmatrix} 1 \\ 2 \\ -1 \end{bmatrix}$$



$$\begin{array}{c} (u_{ij} = a_{ij} - \sum_{k=1}^{n} U_{ij} U_{ik} u_{ij}) & dla \ j \in \left\{i, i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{ji} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{ji} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{ji} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}^{n} U_{ik} u_{ik}\right) & dla \ j \in \left\{i+1, \ldots, n\right\} \\ U_{ij} \cdot \frac{1}{u_{i}} \left(a_{i} - \sum_{k=1}$$

Eviazenia 5 anx + ax + anx + anx + ... + anx x = bn / - an as x + as x + a 23 x 3 + 11 + a 2 x x = 6 / 2 a 21 ans x + ans x + ans x 11, + ann x = bn /: amn  $x_2 = \frac{62}{\alpha_{AA}} = \frac{\alpha_{AA}}{\alpha_{AA}} \times \frac{\alpha_{AB}}{\alpha_{AB}} \times \frac{$ Xm = 6m - am C: = 61 dij = - aij i = 1, 2, ..., n j = 1, 2, ..., m  $i \neq j$   $\begin{cases} x_1 = C_1 & + d_{12} x_2 + d_{13} x_3 + d_{14} x_9 \end{cases}$  $\int_{\mathcal{L}} x = C_2 + d_{2n} \times n$ + d23 x3 + ... d2n x4 (x n = cn dn, x, +dnex, +dn, x, metodo yacobugo  $\begin{bmatrix} X_1 \end{bmatrix} \begin{bmatrix} C_1 \end{bmatrix} \begin{bmatrix} 0 & d_{12} & d_{13} \\ d_{23} \end{bmatrix} \begin{bmatrix} 0 & d_{23} \\ 0 & d_{23} \end{bmatrix} \begin{bmatrix} 0 & d$ xm cm dm dm ,,, 0 x X = C+DX x (k+1) = C + Dx (k)  $i \in \{1,2,\ldots n\}$   $|a_{ii}| > \sum_{j=1}^{n} |a_{ij}|$  $i \in \{1, 2, ..., n\}$   $|a_{ij}| |a_{ii}| > \sum_{i=1}^{n} |a_{ij}|$ 

$$\begin{array}{c} x^{(2)} = C + D \times 1^{3} \\ x^{(2)} = \frac{2}{2} + \frac{1}{15} \cdot 0 \cdot \frac{1}{15} \cdot \frac{1}{15}$$