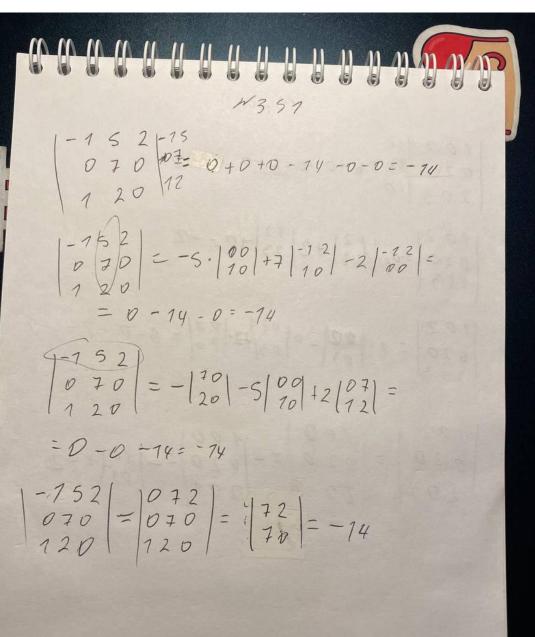
$$\begin{vmatrix} 76 & 2 \\ 0 & 2 & 0 \end{vmatrix} = -0 \cdot \begin{vmatrix} 0 & 2 \\ 0 & 3 \end{vmatrix} + 2 \begin{vmatrix} 1 & 2 \\ 2 & 3 \end{vmatrix} = 0 = -2$$

$$|020| = 1.|20| - 0.|02| + 2.|02| = 6 - 0 - 8 = -2$$

$$\begin{vmatrix} 102 \\ 020 \end{vmatrix} = \begin{vmatrix} 100 \\ 020 \end{vmatrix} = -\begin{vmatrix} 100 \\ 020 \end{vmatrix} = -\begin{vmatrix} 100 \\ 020 \end{vmatrix} = -\begin{vmatrix} 100 \\ 201 \end{vmatrix} = -2$$

BIG DATA





N3.53

$$\begin{vmatrix} 9 & 10 & 17 \\ 7 & 1 & 7 \end{vmatrix} = -10 \begin{vmatrix} 11 \\ 2y \end{vmatrix} + \begin{vmatrix} 9 & 11 \\ 2y \end{vmatrix} - 3 \begin{vmatrix} 9 & 11 \\ 1 & 1 \end{vmatrix} =$$

$$= -20 + 19 + 6 = 0$$

$$\begin{vmatrix} 9 & 10 & 17 \\ 1 & 1 & 1 \\ 2 & 3 & 4 \end{vmatrix} = 9 \begin{vmatrix} 11 \\ 34 \end{vmatrix} - 10 \begin{vmatrix} 11 \\ 24 \end{vmatrix} + 11 \begin{vmatrix} 11 \\ 23 \end{vmatrix} = 9 - 20 + 17 = 0$$

$$\begin{vmatrix} 9 & 10 & 17 \\ 1 & 1 & 7 \end{vmatrix} = \begin{vmatrix} 9 & 10 & 7 \\ 1 & 7 & 0 \end{vmatrix} = \begin{vmatrix} 9 & 7 & 7 \\ 1 & 0 & 0 \end{vmatrix} = \begin{vmatrix} 71 \\ 11 \end{vmatrix} = 0$$

N3. 56

$$\begin{vmatrix} 2 & 3 & -3 & 4 \\ 2 & 7 & -7 & 2 \\ 6 & 2 & 7 & 0 \\ 2 & 3 & 0 - 5 \end{vmatrix} = 6 \begin{vmatrix} 3 - 3 & 4 \\ 1 - 1 & 2 \end{vmatrix} - 2 \begin{vmatrix} 2 - 3 & 4 \\ 2 - 1 & 2 \end{vmatrix} + 2 \begin{vmatrix} 2 & 3 & 4 \\ 2 & 7 & 2 \\ 2 & 3 - 5 \end{vmatrix} = 6 (3 \begin{vmatrix} -3 & 4 \\ 3 & 0 - 5 \end{vmatrix} - 5 \begin{vmatrix} 3 - 3 \\ 1 - 1 \end{vmatrix}) - 2 (2 \begin{vmatrix} -3 & 4 \\ -12 \end{vmatrix} - 5 \begin{vmatrix} 2 - 3 \\ 2 - 1 \end{vmatrix}) + 4 + 2 \begin{vmatrix} 3 & 4 \\ 2 & 7 - 1 \end{vmatrix} + 2 \begin{vmatrix} 2 & 3 \\ 2 & 7 \end{vmatrix} + 3 \begin{vmatrix} 2 & 4 \\ 2 & 7 \end{vmatrix} - 3 \begin{vmatrix} 2 & 4 \\ 2 & 7 \end{vmatrix} + 3 \begin{vmatrix} 2 & 4 \\ 2 & 7 \end{vmatrix} + 4 \begin{vmatrix} 2 & 3 & 4 \\$$

 $\begin{vmatrix} 2 & 3 & -3 & 4 \\ 2 & 7 & -7 & 2 \end{vmatrix} = \begin{vmatrix} 2 & 9 & -3 & 4 \\ 2 & 7 & -7 & 2 \end{vmatrix} = \begin{vmatrix} 2 & 9 & -3 & 4 \\ 2 & 3 & -7 & 2 \end{vmatrix} = \begin{vmatrix} 20 & 9 & -3 & 4 \\ 8 & 3 & -7 & 2 \end{vmatrix} = \begin{vmatrix} 20 & 9 & -3 & 4 \\ 0 & 3 & 0 & -5 \end{vmatrix} = \begin{vmatrix} 20 & 9 & -3 & 4 \\ 0 & 3 & 0 & -5 \end{vmatrix} = \begin{vmatrix} 20 & 9 & -3 & 4 \\ 0 & 3 & 0 & -5 \end{vmatrix} = \begin{vmatrix} 20 & 9 & -3 & 4 \\ 0 & 3 & 0 & -5 \end{vmatrix} = \begin{vmatrix} 20 & 9 & -3 & 4 \\ 0 & 3 & 0 & -5 \end{vmatrix} = \begin{vmatrix} 20 & 9 & -3 & 4 \\ 0 & 3 & 0 & -5 \end{vmatrix} = \begin{vmatrix} 20 & 9 & 4 \\ 2 & 3 & -5 \end{vmatrix} = \begin{vmatrix} 20 & 3 & 2 \\ 2 & 3 & -5 \end{vmatrix} = \begin{vmatrix} 3 & 2 \\ 2 & 3 & -5 \end{vmatrix} = \begin{vmatrix} 3 & 2 \\ 3 & -5 \end{vmatrix} = \begin{vmatrix} 9 & 4 \\ 3 & -5 \end{vmatrix}$

=-20.21+8-57+2.6=48