

Atrisināt dotās vienādojumu sistēmas!

1.
$$\begin{aligned} 2x_1 + x_2 + x_3 &= 2 \\ x_1 + 3x_2 + x_3 &= 5 \\ x_1 + x_2 + 5x_3 &= -7 \\ 2x_1 + 3x_2 - 3x_3 &= 14 \end{aligned}$$
2.
$$\begin{aligned} 3x_1 + x_2 - 2x_3 + x_4 - x_5 &= 1 \\ 2x_1 - x_2 + 7x_3 - 3x_4 + 5x_5 &= 2 \\ x_1 + 3x_2 - 2x_3 + 5x_4 - 7x_5 &= 3 \\ 3x_1 - 2x_2 + 7x_3 - 5x_4 + 8x_5 &= 3 \end{aligned}$$
3.
$$\begin{aligned} 2x_1 - x_2 + 3x_3 &= 3 \\ 3x_1 + x_2 - 5x_3 &= 0 \\ 4x_1 - x_2 + x_3 &= 3 \\ x_1 + 3x_2 - 13x_3 &= -6 \end{aligned}$$
4.
$$\begin{aligned} x_1 + 3x_2 + 5x_3 - 4x_4 &= 1 \\ x_1 + 3x_2 + 2x_3 - 2x_4 + x_5 &= -1 \\ x_1 - 2x_2 + x_3 - x_4 - x_5 &= 3 \\ x_1 - 4x_2 + x_3 - x_4 - x_5 &= 3 \\ x_1 + 2x_2 + x_3 - x_4 + x_5 &= -1 \end{aligned}$$
5.
$$\begin{aligned} x_1 + 3x_2 + 2x_3 &= 0 \\ 2x_1 - x_2 + 3x_3 &= 0 \\ 3x_1 - 5x_2 + 4x_3 &= 0 \\ x_1 + 17x_2 + 4x_3 &= 0 \end{aligned}$$
6.
$$\begin{aligned} x_1 - 2x_2 + 3x_3 - 4x_4 + 2x_5 &= -2 \\ x_1 + 2x_2 - x_3 - x_5 &= -2 \\ x_1 - x_2 + 2x_3 - 3x_4 &= 10 \\ x_2 - x_3 + x_4 - 2x_5 &= -5 \\ 2x_1 + 3x_2 - x_3 + x_4 + 4x_5 &= 1 \end{aligned}$$
7.
$$\begin{aligned} 2x_1 + x_2 - 2x_3 + x_4 &= 1 \\ 3x_1 - 2x_2 + 2x_3 - 3x_4 &= 2 \\ 5x_1 + x_2 - x_3 + 2x_4 &= -1 \\ 2x_1 - x_2 + x_3 - 3x_4 &= 4 \end{aligned}$$

$$\begin{aligned}
8. \quad & x_1 + 2x_2 + 3x_3 - x_4 = 1 \\
& 3x_1 + 2x_2 + x_3 - x_4 = 1 \\
& 2x_1 + 3x_2 + x_3 + x_4 = 1 \\
& 2x_1 + 2x_2 + 2x_3 - x_4 = 1 \\
& 5x_1 + 5x_2 + 2x_3 = 2
\end{aligned}$$

$$\begin{aligned}
9. \quad & 2x_1 - x_2 + x_3 - x_4 = 1 \\
& 2x_1 - x_2 - 3x_4 = 2 \\
& 3x_1 - x_3 + x_4 = -3 \\
& 2x_1 + 2x_2 - 2x_3 + 5x_4 = -6
\end{aligned}$$

$$\begin{aligned}
10. \quad & 3x_1 + 4x_2 - 5x_3 + 7x_4 = 0 \\
& 2x_1 - 3x_2 + 3x_3 - 2x_4 = 0 \\
& 4x_1 + 11x_2 - 13x_3 + 16x_4 = 0 \\
& 7x_1 - 2x_2 + x_3 + 3x_4 = 0
\end{aligned}$$