

$$\begin{cases} 1a + 1b + 2c + 1d = 7 \\ 3a + 4b + 8c + 5d = 29 \\ 1a + 3b + 7c + 8d = 30 \\ 2a + 2b + 5c + 6d = 23 \end{cases}$$

REMIANTIS GAUSO METODU:

$$\left(\begin{array}{cccc|c} 1 & 1 & 2 & 1 & 7 \\ 3 & 4 & 8 & 5 & 29 \\ 1 & 3 & 7 & 8 & 30 \\ 2 & 2 & 5 & 6 & 23 \end{array} \right) \begin{array}{l} \downarrow \times (-3) \\ \downarrow \times (-1) \\ \downarrow \times (-2) \end{array} =$$

$$\left(\begin{array}{cccc|c} 1 & 1 & 2 & 1 & 7 \\ 0 & 1 & 2 & 2 & 8 \\ 0 & 2 & 5 & 7 & 23 \\ 0 & 0 & 1 & 4 & 9 \end{array} \right) \begin{array}{l} \downarrow \times (-2) \\ \downarrow \times (0) \end{array} =$$

$$\left(\begin{array}{cccc|c} 1 & 1 & 2 & 1 & 7 \\ 0 & 1 & 2 & 2 & 8 \\ 0 & 0 & 1 & 3 & 7 \\ 0 & 0 & 1 & 4 & 9 \end{array} \right) \downarrow \times (-1) =$$

$$\left(\begin{array}{cccc|c} 1 & 1 & 2 & 1 & 7 \\ 0 & 1 & 2 & 2 & 8 \\ 0 & 0 & 1 & 3 & 7 \\ 0 & 0 & 0 & 1 & 2 \end{array} \right) \begin{array}{l} \uparrow \times (-3) \\ \uparrow \times (-2) \\ \uparrow \times (-1) \end{array} =$$

$$\left(\begin{array}{cccc|c} 1 & 1 & 2 & 0 & 5 \\ 0 & 1 & 2 & 0 & 4 \\ 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 \end{array} \right) \begin{array}{l} \uparrow \times (-2) \\ \uparrow \times (-2) \end{array} =$$

$$\left(\begin{array}{cccc|c} 1 & 1 & 0 & 0 & 3 \\ 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 \end{array} \right) \uparrow \times (-1) =$$

$$\left(\begin{array}{cccc|c} 1 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 & 2 \end{array} \right)$$

SPRENDINIAI:

$$\begin{cases} 1a + \quad + \quad + \quad = 1 \\ \quad + 1b + \quad + \quad = 2 \\ \quad + \quad + 1c + \quad = 1 \\ \quad + \quad + \quad + 1d = 2 \end{cases}$$