

Soustavy lineárních rovnic

Vypočítejte a proveďte zkoušku:

$$\begin{aligned} 1) \quad & 2x + 3y = 8 \\ & \underline{4x - 3y = -2} \end{aligned}$$

$$\begin{aligned} 2) \quad & x + y = -1 \\ & \underline{x - y = 5} \end{aligned}$$

$$\begin{aligned} 3) \quad & 3x - 2y = 2 \\ & \underline{x + 3y = -25} \end{aligned}$$

$$\begin{aligned} 4) \quad & 4x + y = 0 \\ & \underline{6x - 7y = 17} \end{aligned}$$

$$\begin{aligned} 5) \quad & 7x + 2y = -14 \\ & \underline{5x - y = 7} \end{aligned}$$

$$\begin{aligned} 6) \quad & 3x - 5y = -2 \\ & \underline{3x + 5y = 4} \end{aligned}$$

$$\begin{aligned} 7) \quad & x + y = 5 \\ & \underline{x - y = 3} \end{aligned}$$

$$\begin{aligned} 8) \quad & 2x + 3y = 21 \\ & \underline{x - 2y = -7} \end{aligned}$$

$$\begin{aligned} 9) \quad & 3x - 2y = 6 \\ & \underline{1,5x - y = 3} \end{aligned}$$

$$\begin{aligned} 10) \quad & 4x - 3y = 14 \\ & \underline{2x + 5y = -6} \end{aligned}$$

$$\begin{aligned} 11) \quad & 0,1x + 0,2y = 1,2 \\ & \underline{0,3x - 0,4y = 0,6} \end{aligned}$$

$$\begin{aligned} 12) \quad & x + y = 7 \\ & \underline{\frac{x}{5} + \frac{y}{3} = 1} \end{aligned}$$

$$\begin{aligned} 13) \quad & 5x + 3y = 40 \\ & \underline{\frac{2x}{7} + \frac{y}{5} = 2} \end{aligned}$$

$$\begin{aligned} 14) \quad & \frac{x}{4} + \frac{y}{3} = 0 \\ & \underline{\frac{x}{8} - \frac{5y}{6} = 6} \end{aligned}$$

$$\begin{aligned} 15) \quad & x + 2y = 1 \\ & \underline{\frac{x+3}{2} = \frac{12-y}{3}} \end{aligned}$$

$$\begin{aligned} 16) \quad & \frac{x+2}{7} + \frac{2-y}{3} = 2 \\ & \underline{\frac{3x+1}{4} - \frac{y-4}{5} = 5} \end{aligned}$$

$$\begin{aligned} 17) \quad & x + y = 14 \\ & \underline{x - y = -8} \end{aligned}$$

$$\begin{aligned} 18) \quad & 5x + 3y = -11 \\ & \underline{4x - y = 15} \end{aligned}$$

$$\begin{aligned} 19) \quad & 5x - 2y = 8 \\ & \underline{2,5x - y = 5} \end{aligned}$$

$$\begin{aligned} 20) \quad & 7x + 6y = -17 \\ & \underline{5x - 3y = 17} \end{aligned}$$

$$\begin{aligned} 21) \quad & 0,6x + 0,1y = 2 \\ & \underline{1,3x - 0,2y = 6} \end{aligned}$$

$$\begin{aligned} 22) \quad & x + y = -11 \\ & \underline{\frac{x}{3} + \frac{y}{2} = -3} \end{aligned}$$

$$\begin{aligned} 23) \quad & 3x + 4y = -5 \\ & \underline{\frac{x}{3} + \frac{y}{4} = 1} \end{aligned}$$

$$\begin{aligned} 24) \quad & \frac{x}{2} + \frac{y}{3} = 3 \\ & \underline{\frac{5x}{4} - \frac{y}{24} = -3} \end{aligned}$$

$$\begin{aligned} 25) \quad & x + 3y = 3 \\ & \underline{\frac{x-1}{5} = \frac{y-10}{3}} \end{aligned}$$

$$\begin{aligned} 26) \quad & \frac{x+2}{5} - \frac{y-1}{3} = 2 \\ & \underline{\frac{2x-7}{2} - \frac{y-5}{7} = \frac{1}{2}} \end{aligned}$$

$$\begin{aligned} 27) \quad & x + y = -13 \\ & \underline{x - y = -16} \end{aligned}$$

$$\begin{aligned} 28) \quad & 6x - 5y = -70 \\ & \underline{7x + y = -27} \end{aligned}$$

$$\begin{aligned} 29) \quad & 4x - 2y = 5 \\ & \underline{-2x + y = -2,5} \end{aligned}$$

$$\begin{aligned} 30) \quad & 6x - 5y = -27 \\ & \underline{2x + 3y = 5} \end{aligned}$$

$$\begin{aligned} 31) \quad & 0,5x + 0,2y = 3 \\ & \underline{0,7x + 0,6y = 2,6} \end{aligned}$$

$$\begin{aligned} 32) \quad & x + y = 1 \\ & \underline{\frac{x}{4} - \frac{y}{7} = 3} \end{aligned}$$

$$\begin{aligned} 33) \quad & 2x - 7y = 53 \\ & \underline{\frac{x}{8} + \frac{5y}{3} = -3} \end{aligned}$$

$$\begin{aligned} 34) \quad & \frac{x}{2} + \frac{y}{6} = 1 \\ & \underline{\frac{7x}{3} + \frac{y}{2} = -2} \end{aligned}$$

$$\begin{aligned} 35) \quad & 2x + y = 4 \\ & \underline{\frac{x+2}{7} = -\frac{y-4}{10}} \end{aligned}$$

$$\begin{aligned} 36) \quad & \frac{x+2}{6} - \frac{y-2}{5} = 2 \\ & \underline{\frac{2x+1}{3} - \frac{7-3y}{4} = -1} \end{aligned}$$

$$\begin{aligned} 37) \quad & \frac{x+y+3}{2} + \frac{x+y-1}{3} = -\frac{1}{2} \\ & \underline{\frac{x}{4} + \frac{y}{10} = -\frac{1}{20}} \end{aligned}$$

$$\begin{aligned} 38) \quad & 3\left(x + \frac{y}{2}\right) - \frac{3x+y}{3} = -3 \\ & \underline{\frac{x+3}{5} - \frac{y+1}{2} = 3,5} \end{aligned}$$

$$\begin{aligned} 39) \quad & x + y = 7 \\ & \underline{\frac{x}{y} = 2} \end{aligned}$$

$$\begin{aligned} 40) \quad & x + y = 7 \\ & \underline{\frac{x+8}{y} = 2} \end{aligned}$$

$$\begin{aligned} 41) \quad & 5x + 7y = -4 \\ & \underline{\frac{x+9}{y+1} = 1} \end{aligned}$$

$$\begin{aligned} 42) \quad & \frac{3x-5y}{2} = 7 \\ & \underline{\frac{y+10}{x} = 3} \end{aligned}$$