Úlohy

Vyriešte v množine reálnych čísel

$$2x^2 + 5 = 10$$

$$4x^2 = 4x$$

$$3x + 2 = \frac{1}{2}x^2$$

$$x^2 + x - 2x\sqrt{2} - \sqrt{2} = 0$$

$$\frac{2}{2x+3} + \frac{2}{2x-3} = \frac{4x^2 - 21}{4x^2 - 9}$$

$$\frac{x-3}{x+6} + \frac{x-10}{x+5} + \frac{15}{x^2 + 11x + 30} = \frac{9-x}{6+x}$$

$$\frac{x+12}{x+2} + \frac{5}{x^2 - x - 6} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{5}{x^2 - x - 6} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{5}{x^2 - x - 6} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{5}{x^2 - x - 6} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{5}{x^2 - x - 6} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{5}{x^2 - x - 6} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{5}{x^2 - x - 6} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{5}{x^2 - x - 6} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{5}{x^2 - x - 6} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{5}{x^2 - x - 6} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{12}{x+2} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{12}{x+2} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{12}{x+2} + \frac{x-4}{x-3} = 1$$

$$x + \frac{12}{x+2} + \frac{x-4}{x+2} = 1$$

$$1 - \frac{1}{x} = \frac{1}{x^2 - x} - \frac{1}{x - 1}$$

$$6(x^2 - 5x + 1) = -14 - (x^2 - 5x + 2)^2$$

$$6\alpha = -14 - (\alpha + 1)^2$$
 $6\alpha = -14 - \alpha^2 - 2\alpha - 1$

$$a^{2} + 8a + 15 = 0$$

$$a_{1,1} = \frac{-8 \pm 11}{2} = a_{1} = -5$$

$$1 - \frac{1}{x} = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} - \frac{1}{x - 1}$$

$$x = \frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 = 0$$

$$x = -\frac{1}{x^{2} - x} + 1 =$$

