

**Zadatak 28.** Koliko je  $f\left(\frac{x-1}{x}\right)$  ako je  $f\left(\frac{x}{x-1}\right) = x$ ?

**Rješenje.**  $f\left(\frac{x}{x-1}\right) = x,$

$$\frac{x}{x-1} = t \iff x = tx - t \iff t = (t-1)x \iff x = \frac{t}{t-1}, \quad t \neq 1;$$

$$f\left(\frac{x-1}{x}\right) = \frac{\frac{x-1}{x}}{\frac{x-1}{x} - 1} = \frac{\frac{x-1}{x}}{\frac{x-1-x}{x}} = \frac{x-1}{x-1-x} = \frac{x-1}{-1} = 1-x.$$