

Zadatak 27. Ako je $f\left(1 + \frac{1}{x}\right) = x$, koliko je $f\left(1 - \frac{1}{x}\right)$?

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

$$1 + \frac{1}{x} = t \iff \frac{1}{x} = t - 1 \iff x = \frac{1}{t - 1};$$

$$f(t) = \frac{1}{t - 1}, \quad t \neq 1;$$

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