Zadatak 26. Ako je $f\left(\frac{1}{x}\right)=\frac{1}{1-x}$, koliko je $f\left(\frac{1}{1-x}\right)$?

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

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

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

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