

Zadatak 29. Ako je $f(x) = \frac{2x+1}{x-2}$, dokaži da je $f^{-1} = f$.

Rješenje. $f(x) = \frac{2x+1}{x-2}$;

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

$$x(y-2) = 2y+1$$

$$xy - 2x = 2y + 1$$

$$xy - 2y = 2x + 1$$

$$y = \frac{2x+1}{x-2} \implies f^{-1} = \frac{2x+1}{x-2} = f(x).$$