

$$\begin{array}{ccccc}
 y = \frac{1}{x^2} & \xrightarrow{x \mapsto x - 2} & y = \frac{1}{(x - 2)^2} & \xrightarrow{y \mapsto \frac{1}{4}y} & y = \frac{4}{(x - 2)^2} \\
 & & & & \downarrow y \mapsto -y \\
 & & y = 1 + \frac{-4}{(x - 2)^2} & \xleftarrow{y \mapsto y - 1} & y = \frac{-4}{(x - 2)^2}
 \end{array}$$