Relation filtering operations

Graphical notation, followed by the equivalent ascii notation:

$S \lhd R$	S <| R	domain restriction
$S \hlhd R$	S <<| R	domain subtraction
$R \rhd S$	R |> S	range restriction
$R \rhd\!\!\rhd S$	R |>> S	range subtraction

Examples:

$\{Jonas\} \lhd owns\_camera = \{Jonas \mapsto Canon,\ Jonas \mapsto Sony\}$
$\{Mindaugas\} \lhd owns\_camera = \varnothing$
$\{Jonas,\ Vaiva\} \hlhd owns\_camera = \{Vaidas \mapsto Nikon,\ Sandra \mapsto Pentax\}$
$\{Mindaugas\} \hlhd owns\_camera = owns\_camera$

$owns\_camera \rhd \{Sony\} = \{Vaiva \mapsto Sony,\ Jonas \mapsto Sony\}$
$owns\_camera \rhd\!\!\rhd \{Sony, Canon, Pentax\} = \{Vaidas \mapsto Nikon\}$