

## **trans\_functionality\_wrt\_iff**<sup>13,42</sup>

$\forall T:\text{Type}, R, R':(T \rightarrow T \rightarrow \mathbb{P}).$

$(\forall x, y:T. R(x,y) \iff R'(x,y)) \Rightarrow (\text{Trans}(T;y,x.R(x,y)) \iff \text{Trans}(T;y,x.R'(x,y)))$