

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

$$\forall P_1, P_2, Q_1, Q_2:\mathbb{P}. (P_1 \iff P_2) \Rightarrow (Q_1 \iff Q_2) \Rightarrow \{(P_1 \Rightarrow Q_1) \iff (P_2 \Rightarrow Q_2)\}$$