

## **antecedent-function\_functionality\_wrt\_iff<sup>11,40</sup>**

$\forall es:ES, P, Q, P', Q':(E \rightarrow \mathbb{P}), f:(\{e:E| P(e)\} \rightarrow \{e:E| Q(e)\})$ .  
 $(\forall e:E. (P(e)) \iff (P'(e))) \Rightarrow (\forall e:E. (Q(e)) \iff (Q'(e))) \Rightarrow (Q \leftarrow -f-- P \iff Q' \leftarrow -f-- P')$