

## weak-antecedent-function\_functionality\_wrt\_pred\_equiv<sup>11,40</sup>

$\forall es:ES, P, Q, P', Q':(E \rightarrow \mathbb{P}), f:(\{e:E \mid P(e)\} \rightarrow \{e:E \mid Q(e)\})$ .

$P \iff P' \Rightarrow Q \iff Q' \Rightarrow (Q \iff f \iff P \iff Q' \iff f \iff P')$