

**rel\_plus\_implies**<sup>11,40</sup>

$\forall T:\text{Type}, R:(T \rightarrow T \rightarrow \mathbb{P}), x, y:T. (x \hat{R} + y) \Rightarrow ((x R y) \vee (\exists z:T. ((x \hat{R} + z) \& (z R y))))$