

## rel\_exp\_functionality\_wrt\_iff<sup>11,40</sup>

$\forall T:\text{Type}, R, Q:(T \rightarrow T \rightarrow \mathbb{P})$ .

$(\forall x, y:T. (R(x,y)) \iff (Q(x,y)))$

$\Rightarrow (\forall n:\mathbb{N}, x, y:T. (\text{rel\_exp}(T;R;n)(x,y)) \iff (\text{rel\_exp}(T;Q;n)(x,y)))$