

## wellfounded\_functionality\_wrt\_implies<sup>9,38</sup>

$\forall T_1, T_2: \text{Type}, r_1: (T_1 \rightarrow T_1 \rightarrow \mathbb{P}), r_2: (T_2 \rightarrow T_2 \rightarrow \mathbb{P}).$

$(T_1 = T_2)$

$\Rightarrow (\forall x, y: T_1. \{r_1(x, y) \Leftarrow r_2(x, y)\})$

$\Rightarrow \{\text{WellFnd}\{i\}(T_1; x, y. r_1(x, y)) \Rightarrow \text{WellFnd}\{i\}(T_2; x, y. r_2(x, y))\}$

ProofTree