

symmetrized_preorder^{12,41}

$\forall T:\text{Type}, R:(T \rightarrow T \rightarrow \mathbb{P}). \text{Preorder}(T; x, y. R(x, y)) \Rightarrow \text{EquivRel}(T; a, b. \text{Symmetrize}(x, y. R(x, y); a; b))$

ProofTree