

preserved_by_monotone^{4,23}

$\forall T:\text{Type}, P:(T \rightarrow \text{Prop}), R_1, R_2:(T \rightarrow T \rightarrow \text{Prop})$.

$(\forall x, y:T. (x R_1 y) \Rightarrow (x R_2 y)) \Rightarrow R_2 \text{ preserves } P \Rightarrow R_1 \text{ preserves } P$