

**monotone**<sup>13,42</sup>

$\text{monotone}(T; T'; x, y. R(x; y); x, y. R'(x; y); f) \equiv_{\text{def}} \forall x, y: T. R(x; y) \Rightarrow R'(f(x); f(y))$

*clarification:*

$\text{monotone}(T; T'; x, y. R(x; y); x, y. R'(x; y); f) \equiv_{\text{def}} \forall x: T, y: T. R(x; y) \Rightarrow R'(f(x); f(y))$