

anti_sym^{12,41}

basic

$$\text{AntiSym}(T;x,y.R(x;y)) \equiv_{\text{def}} \forall x, y:T. R(x;y) \Rightarrow R(y;x) \Rightarrow (x = y)$$

clarification:

basic

$$\text{AntiSym}(T;x,y.R(x;y)) \equiv_{\text{def}} \forall x:T, y:T. R(x;y) \Rightarrow R(y;x) \Rightarrow (x = y \in T)$$