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

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http://www.nuprl.org/FDLcontent/p0_942988_/p15_4374_{anti_sym}.html