

**strongwellfounded**<sup>11,40</sup>

$\text{SWellFounded}(R(x;y)) \equiv_{\text{def}} \exists f:T \rightarrow \mathbb{N}. (\forall x,y:T. R(x;y) \Rightarrow ((f(x)) < (f(y))))$

*clarification:*

$\text{strongwellfounded}(T; x,y.R(x;y)) \equiv_{\text{def}} \exists f:T \rightarrow \mathbb{N}. (\forall x:T, y:T. R(x;y) \Rightarrow ((f(x)) < (f(y))))$