

Inference at *
of proof for Lemma mu'_wf:

$\vdash \forall A:\text{Type}, P:(A \rightarrow \mathbb{N} \rightarrow \mathbb{B}), d:(\forall x:A. \text{Dec}(\exists n:\mathbb{N}. (\uparrow(P(x,n))))). \text{mu}'(P) \in A \rightarrow (\mathbb{N} + \text{Top})$
by ((Auto·)
CollapseTHEN (Unfold 'mu\''
0·)
CollapseTHEN (Subst'
TERMOF{p-mu-decider:ObjectId, 1:l, 1:l} ~ TERMOF{p-mu-decider:ObjectId, 1:l, i:l} (0·)
·

1:equality..... NILNIL

1. $A : \text{Type}$
 2. $P : A \rightarrow \mathbb{N} \rightarrow \mathbb{B}$
 3. $\forall x:A. \text{Dec}(\exists n:\mathbb{N}. (\uparrow(P(x,n))))$
- $\vdash \text{TERMOF}\{\text{p-mu-decider:ObjectId, 1:l, 1:l}\} \sim \text{TERMOF}\{\text{p-mu-decider:ObjectId, 1:l, i:l}\}$

2:

1. $A : \text{Type}$
 2. $P : A \rightarrow \mathbb{N} \rightarrow \mathbb{B}$
 3. $d : \forall x:A. \text{Dec}(\exists n:\mathbb{N}. (\uparrow(P(x,n))))$
- $\vdash (\lambda x. (\text{TERMOF}\{\text{p-mu-decider:ObjectId, 1:l, i:l}\}(A,P,d,x)).1) \in A \rightarrow (\mathbb{N} + \text{Top})$
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