

Inference at * 1 1
of proof for Lemma complete_nat_ind_with_y:

.....subterm..... T:t1:n

1. $P : \mathbb{N} \rightarrow \mathbb{P}\{k\}$
2. $g : \forall i:\mathbb{N}. (\forall j:\mathbb{N}i. P(j)) \Rightarrow P(i)$
 $\vdash Y(\lambda f,x. g(x,f)) \in (\forall i:\mathbb{N}. P(i))$
by Assert $Y(\lambda f,x. g(x,f)) \in \text{Void} \rightarrow \text{Void}$

1:assertion..... NILNIL

$\vdash Y(\lambda f,x. g(x,f)) \in \text{Void} \rightarrow \text{Void}$

2:

3. $Y(\lambda f,x. g(x,f)) \in \text{Void} \rightarrow \text{Void}$
 $\vdash Y(\lambda f,x. g(x,f)) \in (\forall i:\mathbb{N}. P(i))$

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