

Inference at * 1 1 1 1
of proof for Lemma complete_nat_ind_with_y:

1. $P : \mathbb{N} \rightarrow \mathbb{P}\{k\}$
2. $g : \forall i:\mathbb{N}. (\forall j:\mathbb{N}i. P(j)) \Rightarrow P(i)$
 $\vdash (\lambda x.g(x, Y(\lambda f, x. g(x, f)))) \in \text{Void} \rightarrow \text{Void}$
by ((MemCD)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n), (first_nat 3:n
)) (first_tok :t) inil_term))).
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