Inference at $*$ 2
of proof for Lemma not_over_exists:

1. $T$ : Type
2. $Q$ : $T \to \mathbb{P}$
3. $\forall x{:}T.\ \neg Q(x)$

$\vdash \neg(\exists x{:}T.\ Q(x))$

by ((((((D 0)
CollapseTHENM (D (-1)))·)
CollapseTHENM (With $x$ (D 3)))·)

CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t
) inil_term)))·

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_99697_{not_over_exists}2.html