Inference at $*$ 1
 of proof for Lemma uni_sat_imp_in_uni_set:

1. $T$ : Type
2. $a$ : $T$
3. $Q$ : $T \rightarrow \mathbb{P}$
4. $Q(a)$
5. $\forall a'{:}T.\ Q(a') \Rightarrow (a' = a)$

$\vdash a \in \{x{:}T |\ Q(x)\ \&\ (\forall y{:}T.\ Q(y) \Rightarrow (y = x))\}$

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

 1:

 6. $y$ : $T$
 7. $Q(y)$

 $\vdash y = a$

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