Inference at $*$
of proof for Lemma uni_sat_imp_in_uni_set:

$\vdash \forall T$:Type, a:T, Q:($T \rightarrow \mathbb{P}$). $(a = !x{:}T.\ Q(x)) \Rightarrow (a \in \{!x{:}T \mid Q(x)\})$
by ((((Unfolds "uni_sat unique_set" 0)
CollapseTHEN (RepD))·)
CollapseTHENA (
(Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

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

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

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_97314_{uni_sat_imp_in_uni_set}.html