

Inference at * 1 2
of proof for Lemma member-exists:

1. $T : \text{Type}$
2. $u : T$
3. $v : T \text{ List}$
4. $\exists x:T. (x \in [u / v])$
 $\vdash \neg([u / v] = [])$
by ((D 0)
CollapseTHEN (MaAuto·)).

1:

5. $[u / v] = []$
 $\vdash \text{False}$

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