

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

```

1. T : Type
2. u : T
3. v : T List
4.  $\exists x:T. (x \in [u / v])$ 
5.  $[u / v] = []$ 
 $\vdash$  False
  by (((ApFunToHypEquands 'Z' ||Z||  $\mathbb{Z}$  (-1))
THENM (Reduce (-1))))
  CollapseTHEN (Auto'
  )).

```