

Inference at *
of proof for Lemma member-exists2:

```
⊢ ∀T:Type, L:(T List). (∃x:T. (x ∈ L)) ⇔ (0 < ||L||)
  by InteriorProof (((UnivCD)
  THENM (((RWO "member-exists" 0)
  THENM (
    RWO "length_of_not_nil" 0)).)).)
  CollapseTHEN (Auto·).
```