

Inference at * 1
of proof for Lemma hd-before:

```
1. T : Type
2. u : T
3. v : T List
4. 0 < (||v||+1)
5. x : T
6. (x ∈ [u / v])
7. ¬(x = u)
⊢ u before x ∈ [u / v]
  by ((((((RWO "cons_member" (-2))
THENM (D (-2)·)·)
CollapseTHEN (Auto·)·)·)
CollapseTHEN (((((RWO "cons_before" 0)
THENM (OrLeft)·)·)
CollapseTHEN (Auto·)·)·)·)·
```