

Inference at * 1
of proof for Lemma adjacent-member:

1. T : Type
 2. L : T List
 3. x : T
 4. y : T
 5. $\text{adjacent}(T;L;x;y)$
 6. x before $y \in L$
 7. $(y \in L)$
 8. $(x \in L)$
- $\vdash\{(x \in L) \ \& \ (y \in L)\}$
by ((Unfold 'guard' (0).)
CollapseTHEN (Auto)).