

Inference at \*  
of proof for Lemma fseg\_weakening:

```
⊢∀T:Type, l1, l2:(T List). (l1 = l2) ⇒ fseg(T;l1;l2)
  by (((Unfold 'fseg' 0)
    CollapseTHEN (Auto'))·)
    CollapseTHEN ((InstConcl [[]])
      CollapseTHEN (Auto·))·)
```

1:

1.  $T : \text{Type}$
  2.  $l_1 : T \text{ List}$
  3.  $l_2 : T \text{ List}$
  4.  $l_1 = l_2$
- ⊢  $l_2 = ([] @ l_1)$
- .