

Inference at \*  
of proof for Lemma assert\_elim:

$\vdash \forall b:\mathbb{B}. (\uparrow b) \Rightarrow (b = \text{tt})$   
by ((UnivCD)  
CollapseTHEN ((Auto\_aux (first\_nat 1:n) ((first\_nat 1:n),(first\_nat 3:n  
)) (first\_tok :t) inil\_term)))

1:

1.  $b : \mathbb{B}$
  2.  $\uparrow b$
- $\vdash b = \text{tt}$

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