

Inference at \* 1  
of proof for Lemma sub-equality:

1.  $T : \text{Type}$
  2.  $P : T \rightarrow \mathbb{P}$
  3.  $i : T$
  4.  $u : T$
  5.  $i = u$
  6.  $P(u)$
- $\vdash i = u$   
by Assert  $P(i)$

1: .....assertion..... NILNIL

$\vdash P(i)$   
2:

7.  $P(i)$   
 $\vdash i = u$

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