

Inference at \* 1  
of proof for Lemma branch\_wf2:

....subterm.... T:t1:n

1.  $P : \mathbb{P}$
  2.  $d : \text{Dec}(P)$
  3.  $T : \text{Type}$
  4.  $P \rightarrow T$
  5.  $\cap q: \neg P.T$
- $\vdash d \in (P + (\neg P))$   
by ((RepUR “decidable or“ 2)  
CollapseTHEN (Auto·)).