

Inference at \* 1 2  
of proof for Lemma decidable\_implies\_better:

....wf.... NILNIL

1.  $P : \mathbb{P}$
  2.  $Q : \cap x:P.\mathbb{P}$
  3.  $\text{Dec}(P)$
- $\vdash (P \Rightarrow \text{Dec}(Q)) \in \mathbb{P}$   
by Auto

1: ....unproved Inclusion subgoal.... NILNIL

4.  $P$
- $\vdash Q \in \text{Type}$
- .