

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

1.  $P : \mathbb{P}$
  2.  $Q : \cap x:P.\mathbb{P}$
  3.  $P$
  4.  $Q$
  5.  $Q \in \mathbb{P}$
- $\vdash (P \Rightarrow Q) \vee (\neg(P \Rightarrow Q))$   
by OrLeft THEN Auto