

Inference at * 1 1 1
of proof for Lemma decidable_implies_better:

1. $P : \mathbb{P}$
2. $Q : \cap x:P.\mathbb{P}$
3. P
4. $P \Rightarrow \text{Dec}(Q)$
 $\vdash (P \Rightarrow Q) \vee (\neg(P \Rightarrow Q))$
by ThinTrivial
THEN Assert $Q \in \mathbb{P}$

1:assertion..... NILNIL

4. $\text{Dec}(Q)$
 $\vdash Q \in \mathbb{P}$

2:

4. $\text{Dec}(Q)$
5. $Q \in \mathbb{P}$
 $\vdash (P \Rightarrow Q) \vee (\neg(P \Rightarrow Q))$

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