

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

1. $P : \mathbb{P}$
2. $Q : \cap x:P.\mathbb{P}$
3. $\text{Dec}(P)$
4. $P \Rightarrow \text{Dec}(Q)$
 $\vdash \text{Dec}(P \Rightarrow Q)$
by Unfold 'decidable' 0 THEN D (-2)

1:

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

2:

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

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