

Inference at *
of proof for Lemma iff_preserves_decidability:

$\vdash \forall A, B : \mathbb{P}. \text{Dec}(A) \Rightarrow (A \iff B) \Rightarrow \text{Dec}(B)$
by (((Unfold 'decidable' 0)
CollapseTHEN (UnivCD)).)
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term))).

1:

1. $A : \mathbb{P}$
 2. $B : \mathbb{P}$
 3. $A \vee (\neg A)$
 4. $A \iff B$
- $\vdash B \vee (\neg B)$

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