Inference at $*$
of proof for Lemma iff_preserves_decidability:

$\vdash \forall A, B{:}\mathbb{P}.\ \mathrm{Dec}(A) \Rightarrow (A \iff B) \Rightarrow \mathrm{Dec}(B)$
by ((((Unfold ‘decidable‘ 0)
CollapseTHEN (UnivCD))$\cdot$)
CollapseTHENA (
(Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))$\cdot$

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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http://www.nuprl.org/FDLcontent/p0_942988_/p121_102437_{iff_preserves_decidability}.html