Inference at $*$ 1 2
of proof for Lemma iff_preserves_decidability:

1. $A : \mathbb{P}$
2. $B : \mathbb{P}$
3. $\neg A$
4. $A \iff B$

$\vdash B \vee (\neg B)$

by InteriorProof ((((DNth 2 0)
CollapseTHENM (D 0))·)
CollapseTHEN (
(Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok
:t) inil_term)))·

1:

4. $A \Rightarrow B$
5. $A \Leftarrow B$
6. B

$\vdash$ False

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