

Inference at *
of proof for Lemma iff_preserves_decidability:

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⊢∀A,B:ℙ. Dec(A) ⇒ (A ⇔ B) ⇒ Dec(B)
  by (((Unfold 'decidable' 0)
    CollapseTHEN (UnivCD)).)
  CollapseTHENA (
    (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. $A \iff B$
- ⊢ $B \vee (\neg B)$
- .