

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

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1. A :  $\mathbb{P}$ 
2. B :  $\mathbb{P}$ 
3.  $\neg A$ 
4.  $A \Rightarrow B$ 
5.  $A \Leftarrow B$ 
6. B
 $\vdash \text{False}$ 
  by ((FwdThruHyp 5 [6])
      CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
        ),(first_nat 4:n)) (first_tok :t) inil_term)))).
```