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

1. $A : \mathbb{P}$
2. $B : \mathbb{P}$
3. $\neg A$
4. $A \Rightarrow B$
5. $A \Leftarrow B$
6. B

⊢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)))·

    .