

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

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