

Inference at * 1 1 1
of proof for Lemma not_over_and:

```

1. A :  $\mathbb{P}$ 
2. B :  $\mathbb{P}$ 
3. Dec(A)
4.  $\neg(A \wedge B)$ 
5. A
6. B
 $\vdash \text{False}$ 
  by ((D 4)
    CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)
      )) (first_tok :t) inil_term)))

```