

Inference at \* 3 1  
of proof for Lemma not\_over\_or:

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

```