

Inference at * 1
of proof for Lemma not_over_or:

```

1. A :  $\mathbb{P}$ 
2. B :  $\mathbb{P}$ 
3.  $\neg(A \vee B)$ 
 $\vdash \neg A$ 
  by (((D 0)
CollapseTHENM (D 3)).)
CollapseTHENA ((Auto_aux (first_nat 1:n
) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term))).

```

1:

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3. A
 $\vdash A \vee B$ 
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