

Inference at \* 1  
of proof for Lemma dneg\_elim\_a:

```
1. A :  $\mathbb{P}$ 
2. Dec(A)
3.  $\neg\neg A$ 
 $\vdash A$ 
  by ((BLemma 'dneg_elim'
CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
), (first_nat 4:n)) (first_tok :t) inil_term))))
.
```