

Inference at \* 2  
of proof for Lemma dneg\_elim.a:

```
1. A :  $\mathbb{P}$ 
2. Dec(A)
3. A
 $\vdash \neg\neg A$ 
  by ((D 0)
      CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)
        )) (first_tok :t) inil_term)))
```