

Inference at * 1
of proof for Lemma stable_from_decidable:

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