

Inference at \* 1 1  
of proof for Lemma decidable\_assert:

$\vdash (\uparrow tt) \vee (\neg(\uparrow tt))$   
by ((DNth 1 0)  
CollapseTHENA ((Auto\_aux (first\_nat 1:n) ((first\_nat 1:n),(first\_nat  
3:n)) (first\_tok :t) inil\_term))).

1:

$\vdash \uparrow tt$

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