

Inference at \* 1  
of proof for Lemma p-compose\_wf:

1.  $A : \text{Type}$
2.  $B : \text{Type}$
3.  $C : \text{Type}$
4.  $g : A \rightarrow (B + \text{Top})$
5.  $B \rightarrow (C + \text{Top})$
6.  $x : A$
7.  $\neg(\uparrow \text{can-apply}(g;x))$

$\vdash g(x) \in (C + \text{Top})$   
by ((MoveToConcl (-1))  
CollapseTHEN (((Unfold 'can-apply' ( 0)·)  
CollapseTHEN (((((  
GenConclAtAddr [1;1;1;1])  
CollapseTHENA (Auto·))·)  
CollapseTHEN (((D (-2)·  
  
CollapseTHEN (((Reduce 0)  
CollapseTHEN (Auto·))·))·))·))·