

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.  $A \rightarrow B \rightarrow C$
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·)·)·)·)·