Inference at $*$
of proof for Lemma comb_for_compose_wf:

$\vdash$ ($\lambda A,B,C,f,g,z.\ f$ o g) $\in$ A,B,C:Type$\rightarrow(B\rightarrow C)\rightarrow(A\rightarrow B)\rightarrow(\downarrow$True$)\rightarrow A\rightarrow C$
by (ProveOpCombinatorTyping (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)) ‘compose_wf‘

.

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_85150_{comb_for_compose_wf}.html