

Inference at *
of proof for Lemma do-apply-compose’:

$\vdash \forall A, B, C:\text{Type}, g:(A \rightarrow (B + \text{Top})), f:(A \rightarrow B \rightarrow C), x:A.$
 $(\uparrow \text{can-apply}(f \text{ o' } g; x)) \Rightarrow (\text{do-apply}(f \text{ o' } g; x) \sim (f(x, \text{do-apply}(g; x))))$
by (((UnivCD)
CollapseTHEN (Auto·.)
CollapseTHEN (MoveToConcl (-1))·)

CollapseTHEN ((RepUR “do-apply can-apply p-compose\’“ (0)·)
CollapseTHEN (((
GenConclAtAddr [1;1;1;1;1])
CollapseTHEN (Auto·.)
CollapseTHEN ((D (-2))·)

CollapseTHEN ((Reduce 0)
CollapseTHEN (Auto·.)·.)·.)·.

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