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

$\vdash \forall A, B, C$:Type, g:$(A \to (B + \text{Top}))$, f:$(A \to B \to C)$, x:A.
(↑can-apply(f o' g;x)) ⇒ (do-apply(f o' g;x) ∼ (f(x,do-apply(g;x))))
by (((UnivCD)
CollapseTHENA (Auto·)·)
CollapseTHEN (MoveToConcl (-1))·)

CollapseTHEN ((RepUR "do-apply can-apply p-compose\'" (0)·)
CollapseTHEN (((
GenConclAtAddr [1;1;1;1;1])
CollapseTHENA (Auto·)·)
CollapseTHEN ((D (-2)·)

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

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http://www.nuprl.org/FDLcontent/p0_963683_/p20_524364_{do-apply-compose!}.html