

## **do-apply-compose**<sup>11,40</sup>

$\forall A, B, C:\text{Type}, g:(A \rightarrow (B + \text{Top})), f:(B \rightarrow (C + \text{Top})), x:A.$

$(\uparrow \text{can-apply}(f \circ g ; x)) \Rightarrow (\text{do-apply}(f \circ g ; x) \sim \text{do-apply}(f; \text{do-apply}(g; x)))$

ProofTree