

can-apply-compose-sq^{11,40}

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

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

ProofTree