

p-compose-inject^{11,40}

$\forall A, B, C:\text{Type}, g:(A \rightarrow (B + \text{Top})), f:(B \rightarrow (C + \text{Top})).$
 $\text{p-inject}(A;B;g) \Rightarrow \text{p-inject}(B;C;f) \Rightarrow \text{p-inject}(A;C;f \circ g)$

ProofTree