

**assoc\_shift**<sup>13,42</sup>

$\forall A, B:\text{Type}, opa:(A \rightarrow A \rightarrow A), opb:(B \rightarrow B \rightarrow B), f:(A \rightarrow B).$

$\text{Inj}(A;B;f) \Rightarrow \text{FunThru2op}(A;B;opa;opb;f) \Rightarrow \text{Assoc}(B;opb) \Rightarrow \text{Assoc}(A;opa)$