

## **bilinear\_comm\_elim**<sup>13,42</sup>

$\forall T:\text{Type}, pl, tm:(T \rightarrow T \rightarrow T).$

$\text{Comm}(T;tm)$

$\Rightarrow (\forall a, x, y:T. (a\ tm\ (x\ pl\ y)) = ((a\ tm\ x)\ pl\ (a\ tm\ y)) \in T)$

$\Rightarrow \text{BiLinear}(T;pl;tm)$