

bilinear^{13,42}

basic

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

$\equiv_{\text{def}} \forall a, x, y:T.$

$$(a \text{ tm } (x \text{ pl } y)) = ((a \text{ tm } x) \text{ pl } (a \text{ tm } y)) \ \& \ ((x \text{ pl } y) \text{ tm } a) = ((x \text{ tm } a) \text{ pl } (y \text{ tm } a))$$

clarification:

basic

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

$\equiv_{\text{def}} \forall a:T.$

$\forall x:T, y:T.$

$$(a \text{ tm } (x \text{ pl } y)) = ((a \text{ tm } x) \text{ pl } (a \text{ tm } y)) \in T$$

$$\ \& \ ((x \text{ pl } y) \text{ tm } a) = ((x \text{ tm } a) \text{ pl } (y \text{ tm } a)) \in T$$