bilinear_p[13,42]

basic
IsBilinear(A;B;C;$+a$;$+b$;$+c$;f)
$\equiv_{\text{def}}$ $(\forall a_1,\, a_2{:}A,\, b{:}B.\ ((a_1 +a\ a_2)\ f\ b) = ((a_1\ f\ b) +c\ (a_2\ f\ b)))$
& $(\forall a{:}A,\, b_1,\, b_2{:}B.\ (a\ f\ (b_1 +b\ b_2)) = ((a\ f\ b_1) +c\ (a\ f\ b_2)))$

clarification:

basic
IsBilinear(A;B;C;$+a$;$+b$;$+c$;f)
$\equiv_{\text{def}}$ $(\forall a_1{:}A,\, a_2{:}A,\, b{:}B.\ ((a_1 +a\ a_2)\ f\ b) = ((a_1\ f\ b) +c\ (a_2\ f\ b)) \in C)$
& $(\forall a{:}A.\ \forall b_1{:}B,\, b_2{:}B.\ (a\ f\ (b_1 +b\ b_2)) = ((a\ f\ b_1) +c\ (a\ f\ b_2)) \in C)$

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http://www.nuprl.org/FDLcontent/p0_400045_/p77_46550_{bilinear_p}.html