On the construction of 3×3–valued Łukasiewicz-Moisil algebras

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In 1971, Georgescu and Vraciu [1] introduced a new class of algebras which they called monadic n-valued Łukasiewicz–Moisil algebras. This subject caused great interest and Figallo and Sanza [2] introduced and investigated monadic $n \times m$-valued Łukasiewicz–Moisil algebras which constitute a generalization of them. In this note, we construct a 3×3–valued Łukasiewicz-Moisil algebras from a monadic 3×3–valued Łukasiewicz-Moisil algebras, generalizing A. Monteiro's construction. Besides, we construct a monadic 3×3–valued Łukasiewicz-Moisil algebras from a monadic $n \times m$–valued Łukasiewicz-Moisil algebras, generalizing V. Boicescu's construction.

Referencias

[1] G. Georgescu, C. Vraciu, Algebre Boole monadice si algebre Łukasiewicz monadice, Studii Cerc. Mat., 23, 1025-1048 (1971)

[2] A.V. Figallo, C. Sanza, Monadic nxm-valued Łukasiewicz-Moisil algebras, Mathematica Bohemica, 4, 425-447 (2012)