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AN ALGEBRAIC STUDY OF A PROPOSITIONAL SYSTEM OF NELSON

In this paper we introduce a new method for a semantical study of Nelson's logic of constructible falsity (D. Nelson, *Constructible falsity*, **The Journal of Symbolic Logic** 14 (1949), pp. 247–257) through algebraic models formed by couples (a_1, a_2) where a_1 and a_2 are elements of a Heyting algebra. The method introduced here show the advantage of using models based on n -tuples of elements of other known algebras to the study of certain logical systems or other algebras. For instance, our method can be generalized to the study of Fitch's system (cf. F. B. Fitch, *Symbolic Logic*, Ronald Press, New York, 1952).

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