

third state (B) is, in fact, very similar to the third state (Σ) in SBL, and even the SBL description 'avaktavyah' for this state is similar to the IL concept of "can never be proved to be either true or false".

Thus, the CL states T and F, together with B, has the same algebraic structure as SBL, or BA-3. We can therefore say that our Boolean vector-matrix formalism, in terms of analogies with BA-1, BA-2 and BA-3, explains in a very simple manner the nature of the interconnections between terms, connectives, etc., which occur in most of the logic that is used now-a-days.

In fact, the Boolean vector-matrix formulation seems to be a very suitable one for implementing multi-valued logic by the Boolean algebras BA- n , but this is beyond the scope of this article.

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This article contains in a summarised form, the results of a number of studies made during the last two and a half years, and which are partly embodied in the Matphil Reports listed in the references, and others. A complete electronic implementation of BA-2 for SNS has also been designed but not yet constructed. In all these studies, the author had the able assistance of Mr. T. A. Thanaraj and Mr. R. E. C. Johnson, respectively in the field of software and hardware of the implementations, for which he is most

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