ON FILTERS IN WEAK BCC-ALGEBRAS

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ABSTRACT. The concept of weak BCC algebra (shortly: BZ - algebra) is a much-researched logic-algebraic entity. Observing and analyzing the substructures of this algebraic structure is important since some of them can be related to the congruences in such algebras. In this article we introduce and discuss the concept of BZ-filters in BZ-algebras in a slightly different way than is present in the literature. Also, we establish connection between BZ-ideals and BZ-filters. In addition, we consider several additional conditions imposed on BZ-filters and establish links between them.