

DE MORGAN ALGEBRAS IN BCK-ALGEBRAS

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ABSTRACT. We are well known that a bounded commutative BCK-algebra is a De Morgan algebra. In this article, we will define a new class in BCK-algebras : *Involutive bounded BCK-algebras with Condition (I)*. This class is a proper large class than the class of bounded commutative BCK-algebras. Moreover, we would like to show that an algebra of this class is also a De Morgan algebra.