

ABSTRACT

In this thesis, we have discussed the notion of K-algebra and investigated some of their properties. We have also discussed the abelian-K-algebras. Further, we have stated that the axiomatic definition of a BCI-algebra and proved some results.

At the end of this thesis, we conclude the result by examples that

“K-algebra i.e. (G, \cdot, \odot) is isomorphic to a subclass of the class of BCI-algebra.”