A SPECIAL CLASS OF BCK-ALGEBRAS WITH CONDITION (S)

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ABSTRACT. In this article, we will study two problems. First, to characterize the existence of the least upper bound for two elements in a BCK-algebra. Secondly, to find a new class of upper semilattices in BCK-algebras. Two characterizations for this problem have already been given by K.Iséki [6] and W.H.Cornish [2], and we will show the relationship between these two classes and the new class that we have obtained.