

## A CHARACTERISTIC PROPERTY OF THE BOOLEAN RING $((M), \Delta, \cap)$

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**Abstract.** In [2] we defined the subordination relation on the set of binary operations which are defined on the family of all subsets of a given set. In this paper we show that the only unitary ring structure  $((M), f, g)$  with the property that  $f$  is subordinated to the union and  $g$  is subordinated to the intersection is the structure of boolean ring.

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**Keywords:** boolean ring, subordination relation