

عنوان مقاله:

n -fold obstinate and n -fold fantastic (pre)filters of EQ-algebras

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نویسندگان:

A. Paad - Department of Mathematics, University of Bojnord, Bojnord, Iran

A. Jafari - Department of Mathematics, University of Bojnord, Bojnord, Iran

خلاصه مقاله:

In this paper, the notions of n -fold obstinate and n -fold fantastic (pre)filter in EQ-algebras are introduced and the relationship among n -fold obstinate, maximal, n -fold fantastic, and n -fold (positive) implicative prefilters are investigated. Moreover, the quotient EQ-algebra induced by an n -fold obstinate filter is studied and it is proved that the quotient EQ-algebra induced by an n -fold fantastic filter of a good EQ-algebra with bottom element \cdot is an involutive EQ-algebra. Finally, the relationships between types of n -fold filters in residuated EQ-algebras is shown by diagrams

کلمات کلیدی:

EQ-algebra, n -fold obstinate (pre)filter, n -fold fantastic (pre)filter

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