عنوان مقاله:

On enumeration and classification of EL^2-semihypergroups and EL^2-H_v-semihypergroups with ۲ elements

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خلاصه مقاله:

EL-hypergroups were defined by Chvalina ۱۹۹۵. Tillnow, no exact statistics of EL-hypergroups have been done.\\ Moreover, there is no classification of EL-hypergroups and EL^2-hypergroups even over small sets.In this paper, we classify all EL-(semi)hypergroups over sets withtwo elements obtained from quasi ordered semigroups. Also, we characterize all quasi ordered H_v-group and then we enumerate the number of EL^2-H_v-hypergroups and EL^2-hypergroups of order ۲.

کلمات کلیدی:

Ends lemma, EL-hypergroups, H_v-group, quasi order relation, partially order relation

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