Products of hypergroupoids associated to binary relations

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ABSTRACT.

We study closure properties with respect to products for hypergroupoids, semihypergroups and hypergroups associated to binary relations. Using some basic category theory tools, from a certain point, the investigation turns into studying closure properties with respect to direct products for some classes of monounary multialgebras.

Acknowledgement. The second author was supported by the research grant CEEX-ET 19/2005.

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Received: 27.10.2008; In revised form: 24.02.2009; Accepted: 30.03.2009

2000 Mathematics Subject Classification. 20N99, 20N20.

Key words and phrases. Hypergroupoid associated to a binary relation, hypergroupoid associated to a monounary multialgebra, direct product.