

On partially ordered n -semigroups and (n, m) -semirings

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ABSTRACT.

In this paper we generalize for n - semigroups and (n, m) -presemirings the notions of partially ordered and positively ordered semigroups and semirings. We note that the partially ordered n -groups and (n, m) -rings are introduced by G. Crombez, Abh. Math. Sem. Univ. Hamburg, **39** (1973), 141-146.

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