CLAUSAL RELATIONS AND C-CLONES

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Abstract

We introduce a special set of relations called clausal relations. We study a Galois connection Pol – CInv between the set of all finitary operations on a finite set D and the set of clausal relations, which is a restricted version of the Galois connection Pol – Inv. We define C-clones as the Galois closed sets of operations with respect to Pol – CInv and describe the lattice of all C-clones for the Boolean case D = {0, 1}. Finally we prove certain results about C-clones over a larger set.

Keywords: clone, Galois connection, clausal relation, C-clone.

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References


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