

Some Properties of Modular and Distributive Lattices

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Abstract

In this paper, we first introduce basic facts of partially-ordered set and lattice. Then we also study some theorems and examples of modular and distributive lattices. And Hasse diagram is a useful tool, which completely describe the associated partial order. Finally, we observe that it is very easy to convert a directed graph of a relation on a set to an equivalent.

Key words: partially-ordered set, modular, distributive lattices, Hasse diagram

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