

The graph $\Gamma_S(L)$, where S is a filter

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In this paper, we study some graph-theoretical properties of $\Gamma_S(L)$, a graph which the vertex set is all elements of a finite lattice L and two distinct vertices a and b are adjacent if and only if $a \vee b \in S$, where S is a \wedge -closed subset of L . As a consequence of our work, some results in [2] are extended to the case that S is a filter.

References

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