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By Theorem 1, $(a \wedge b) \vee J$ is a convex sublattice of L, thus (1°) and (2°) imply $x \wedge y \in (a \wedge b) \vee J$.

Remark. Let L be a lattice and T a compatible tolerance relation on L. If there exists an ideal J of L such that $T = T_J$, we call T a constructible tolerance on L. Thus, each constructible tolerance on L is a compatible tolerance relation on L, however, the converse assertion need not be true. The problem of the determination of lattices on which each compatible tolerance relation is constructible is open.

References

[1] *Birkhoff G.:* Lattice Theory, Amer. Math. Soc. 1940, N.Y.

[2] *Croisot M. R.:* Axiomatique des treillis modulaires, Comptes Rendus Acad. Sci. Paris *231*, (1950), p. 95—97.

[3] *Hashimoto J.:* Ideal Theory for Lattices, Math. Japonicae *2*, (1952), 149—186.

[4] *Курош А. Г.* Лекции по общей алгебре, Физматгиз, Москва 1962.

[5] *Szász G.:* Introduction to lattice theory, Academ. Kiadó, Budapest 1963.

[6] *Zelinka B.:* Tolerances in algebraic structures, Czech. Math. J. *20*, (1970), 179—183.

[7] *Chajda I.* and *Zelinka B.:* Tolerance relations on lattices, Časop. pěst. matem. *99*, (1974), 394—399.

[8] *Chajda I.* and *Zelinka B.:* Tolerance relations and weakly associative lattices, Czech. Math. J., (to appear).

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