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ON THE LARGE PROPER SUBLATTICES OF FINITE LATTICES

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Abstract. In this present note, We study and prove some properties of the large proper sublattices of finite lattices. It is shown that every finite lattice L with $|L| > 4$ contains a proper sublattice S with $|S| \geq [2(|L|-2)]^{1/3} + 2 > (2|L|)^{1/3}$.

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