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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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