

A NOTE ON FINITE ORDERED ELEMENTS OF A GROUP

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Abstract

In an abelian group G , the set F of all finite ordered elements and the set H of all odd ordered elements of G are subgroups of G . If H is finite then order of H is odd. If a finite abelian group G has exactly $o(G) - 2n$ elements of odd orders for some $n \in \mathbb{N}$ then $2n | o(G)$ but $2n+1 \nmid o(G)$. If a finite group G has only one odd ordered element then $o(G) = 2n$ for some nonnegative integer n . In this paper we have studied some preliminary results.

Key Words : *Abelian group, subgroup and ordered elements*