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n-Commutator Groups

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<u>Abstract:</u> A sufficient condition such that any element of G' (the commutator subgroup of G) can be represented as a product of n commutators, was studied in \cite{GAL62}. In this article we study a necessary and sufficient condition such that any element of G' can be represented as a product of n commutators, Let n be the smallest nature number such that any element of finite group G can be represented as a product of n commutators. A group G with this property will be called an n -commutator group, and n will be denoted by c(G). Then $\frac{1}{10} \frac{10}{10} \frac{10}{10} \frac{10}{10}$.

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