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Several classes of groups are characterized by their subgroup lattices. As an example we can recall uniform groups, that is nontrivial groups G such that for any nontrivial subgroups $A, B \subseteq G$ we have $A \cap B \neq 1$. The notion mentioned above suggests the following one: a group G is nearly uniform if it is not uniform and for any nontrivial subgroups $A, B, C \subseteq G$ such that $A \cap B = 1$ we have $\langle A, B \rangle \cap C \neq 1$. Finite uniform groups are those with just one minimal subgroup and they are well-known. Recently, Z. Janko determined the structure of all finite 2-groups with exactly three involutions. These groups are precisely finite nearly uniform 2-groups. In this note we determine the structure of all finite nearly uniform groups, which are not 2-groups.

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