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## solvable group

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Synonym soluble group
Related topic DerivedSubgroup
Related topic CompositionSeries2

 $Related\ topic \qquad Galois Criterion For Solvability Of A Polynomial By Radicals$ 

A group G is solvable if it has a subnormal series

$$G = G_0 \supset G_1 \supset \cdots \supset G_n = \{1\}$$

where all the quotient groups  $G_i/G_{i+1}$  are abelian.