

ON THE UNRECOGNIZABILITY BY PRIME GRAPH FOR THE ALMOST SIMPLE GROUP $\text{PGL}(2, 9)$

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Abstract

The prime graph of a finite group G is denoted by $\Gamma(G)$. Also G is called recognizable by prime graph if and only if each finite group H with $\Gamma(H) = \Gamma(G)$, is isomorphic to G . In this paper, we classify all finite groups with the same prime graph as $\text{PGL}(2, 9)$. In particular, we present some solvable groups with the same prime graph as $\text{PGL}(2, 9)$.

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