Title: Quasirecognition by prime graph of simple group $D_n(3)$

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Let G be a finite group. The prime graph $\Gamma(G)$ of G is defined as follows. The vertices of $\Gamma(G)$ are the primes dividing the order of G and two distinct vertices p and p' are joined by an edge if there is an element in G of order pp'. It is proved that $D_n(q)$, with disconnected prime graph, is quasirecognizable by their element orders. In this paper as the main result, we show that $D_n(3)$, where $n \in \{p, p+1\}$ for an odd prime $p > 3$, is quasirecognizable by its prime graph.

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