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Title: Small derived quotients in finite p-groups

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More than 70 years ago, P. Hall showed that if G is a finite p-group such that a term $G^{(d+1)}$ of the derived series is non-trivial, then the order of the quotient $G^{(d)}/G^{(d+1)}$ is at least p^{2^d+1}. Recently Mann proved that, in a finite p-group, Hall's lower bound can be taken for at most two distinct d. For odd p, we prove a sharp version of this result and characterise the groups with two small derived quotients.

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