Some p-coclass zero solvable groups

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Abstract

There is a natural notion of "descendant" for finite groups, where G is a *descendant* of G/N if N is the last term in the lower central series of the Fitting subgroup of G, and N is simple as a G-module. This generalizes the notion for p-groups and allows the discussion of coclass trees. While the generalized trees seem much more difficult to understand, a few easier examples are given with solvable groups.

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