MODULES OVER GROUP RINGS OF SOLVABLE GROUPS WITH RANK RESTRICTIONS ON SUBGROUPS

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Let A be an $\mathbf{R}G$ -module over a commutative ring \mathbf{R} , where G is a group of infinite section p-rank (0-rank), $C_G(A) = 1$, A is not a Noetherian \mathbf{R} module, and the quotient $A/C_A(H)$ is a Noetherian \mathbf{R} -module for every proper subgroup H of infinite section p-rank (0-rank). We describe the structure of solvable groups G of this type.

Key words and phrases: section p-rank, Noetherian module, solvable group.

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