Computations of Lefschetz numbers of solvmanifolds and polycyclic groups

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By using classical results on cohomology computations of nilmanifolds (resp. completely solvable solvmanifolds) and rigidity of lattices in simply connected nilpotent (resp. completely solvable) Lie groups, computations of Lefschetz (coincidence) numbers of maps between nilmanifolds (resp. completely solvable solvmanifolds) come down to computations on maps between Lie algebras. On maps between non-completely solvable solvmanifolds, we can not simply extend such argument. The purpose of this talk is to introduce some techniques for computation of Lefschetz (coincidence) numbers of maps between solvmanifolds in wider classes.