

The *deficiency* $def(G)$ of a group G is the largest integer k such that there exist a (finite) presentation of G with the number of generators minus the number of relations equal to k . In the first part of the talk we shall present results on profinite groups of non-negative deficiency. More precisely, the structure of such groups having a non-trivial finitely generated normal subgroup will be discussed. The second part of the talk will be concerned with *good* groups, i.e. groups whose cohomology coincide with cohomology of their profinite completion. After reviewing results on the subject we shall show how the results of the first part of the talk can be used to establish goodness of some classes of groups.