

## Strange Gradings and Elimination of Generators

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Elimination of generators (commutative or noncommutative) is linked to many combinatorial theories (Bisection and codes, Semidirect products of presented groups and Lie algebras, Strange gradings over semigroups, Lazard elimination). We will describe unifying (categorical) links between some of these theories and give general results allowing us to get semidirect decompositions at first sight.  
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