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Examples of Connected Hopf Algebras satisfying the Noetherian or Ore Conditions. Preliminary report.

Suppose \mathfrak{g} is a Lie algebra over a field of characteristic zero, then the enveloping algebra $U(\mathfrak{g})$ is a connected Hopf algebra and in some cases is Noetherian, or more generally an Ore domain. Motivated by a construction of Wang, Zhang and Zhuang, we introduce connected Hopf algebras $A(\mathfrak{g})$ generated by anti-cocommutative elements and ask if they satisfy the Noetherian or Ore conditions. (Received July 15, 2016)