Chen, Liangyun; Meng, Daoji; Ren, Bin:
On quasi-toral restricted Lie algebras.

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A conjecture of Jacobson says that every finite-dimensional quasi-toral restricted Lie algebra is abelian. Several special cases of this conjecture are known but over small fields the conjecture still seems to be open. The authors give elementary proofs of Jacobson’s conjecture in some special cases and also elaborate on some results of Rolf Farnsteiner [Comm. Algebra 13 (1985), no. 7, 1475–1489; MR0790393 (86j:17018)]. Moreover, the authors investigate the structure of centerless quasi-toral restricted Lie algebras of minimal dimension for a finite field of characteristic $p > 2$. 