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Hendrik W. Lenstra, Mathematisch Instituut, Leiden, Netherlands, and **Alice Silverberg***,
Mathematics Department, UCI, Irvine, CA 92697-3875. *Some discrete log questions in \mathbb{Q} -algebras.*

As a by-product of our work on lattice-based cryptography, we use number theory and commutative algebra to construct deterministic polynomial-time algorithms to solve discrete logarithm problems in multiplicative subgroups of commutative \mathbb{Q} -algebras. (Received September 19, 2015)