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Mathematics, East Carolina University, Greenville, NC 27858. *Fields with Decidable Existential
Theories*. Preliminary report.

Let K be an infinite algebraic extension of \mathbb{Q} with decidable existential theory. Assume we have a computable presentation of $\bar{\mathbb{Q}}$, the algebraic closure of \mathbb{Q} . By a computable presentation we mean an injective map $j : \bar{\mathbb{Q}} \rightarrow \mathbb{Z}_{>0}$ such that $j(\bar{\mathbb{Q}})$, $j(\mathbb{Q})$, and the j -image of the graphs of addition and multiplication are decidable. We now construct M such that $M \cong K$ and $j(M)$ is decidable. (Received January 06, 2015)