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Noether normalization lemma

 ${\bf Canonical\ name} \quad {\bf Noether Normalization Lemma}$

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Let F be a field and K a finitely-generated commutative algebra over F. There there exists a non-negative integer n and elements $x_1, \ldots, x_n \in A$, algebraically independent over F, such that K is integral over $F[x_1, \ldots, x_n]$.