$$\begin{array}{ccc}
L & \longleftarrow & \mathfrak{O}_L \\
\uparrow & & \uparrow \\
\text{finite} & & \\
& & \text{integral closure} \\
\text{separable} & & \\
\uparrow & & \uparrow \\
K & \longleftarrow & A \\
& \text{field of fractions} &
\end{array}$$