$$
\begin{gathered}
K^{\sigma} \stackrel{\sigma}{\leftarrow} K \\
\alpha \in K^{\sigma} \\
{ }_{K}^{X} \alpha \in{ }^{X} K \text { irred } \\
{ }_{K}^{\alpha} \bar{\alpha}^{\sigma}=0 \\
{ }_{\mathbb{R}}^{X} i=X^{2}+1 \\
K^{K^{\alpha}}=K(\alpha)
\end{gathered}
$$

