

$$\begin{array}{ccccc}
 & & \psi & & \\
 & \searrow & & \searrow & \\
 R^\times & \hookrightarrow & K^\times & \hookrightarrow & K^\times / K^{\times n} \\
 & \searrow & & & \uparrow \\
 & & & & T_S
 \end{array}$$