

$$\begin{array}{ccccc}
 & & \mathbb{Q}^{\text{alg}} & \xhookrightarrow{\tau} & \mathbb{Q}_p^{\text{alg}} \\
 & \nearrow & & & \uparrow \\
 L & & & & \\
 & \nwarrow & & & \downarrow \\
 & & \mathbb{Q} & \xhookrightarrow{\quad} & \mathbb{Q}_p
 \end{array}$$