

$$e_1 \sim e_2 \Leftrightarrow Z_{e_1}^i = Z_{e_2}^i$$

$$\mathbb{C}\Delta_{\omega} \ni \mathbb{K}_r^{\mathbb{C}}(Z) = S_r / \sim \text{cpt}$$

$$K \xrightarrow{\pi} \mathbb{U} | \mathbb{K}_r^{\mathbb{C}}(Z)$$

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$$K^{\mathbb{C}} \xrightarrow{\pi^{\mathbb{C}}} \mathbb{G} | \mathbb{K}_r^{\mathbb{C}}(Z)$$

$$\begin{array}{ccc} Z^{\times} & \xrightarrow{\underline{z}g} & Z^{\times} \\ \downarrow \text{hol} & & \downarrow \text{hol} \\ \mathbb{K}_r^{\mathbb{C}}(Z) & \xrightarrow{\underline{z}g} & \mathbb{K}_r^{\mathbb{C}}(Z) \end{array}$$

$$\bigwedge_h^{K^{\mathbb{C}}} v_{\zeta} \sim v_{\omega} \Rightarrow v_{\zeta h} \sim v_{\omega h}$$

$$Z_{v_{\zeta}}^i = Z_{v_{\omega}}^i \Rightarrow Z_{v_{\zeta h}}^i = Z_{v_{\omega h}}^i$$

$$S = \bigcup_{\zeta}^{\mathbb{K}_r^{\mathbb{C}}(Z)} {}_1 Z_{\zeta}^{\mathbb{U}} = \bigcup_{\zeta}^{\mathbb{K}_r^{\mathbb{C}}(Z)} S_{\zeta}$$

$$\underline{S}_e = i X_{\zeta} \times Z_{\zeta}^{1/2} \xrightarrow{\pi_e = p^{1/2}} \mathbb{K}_r^{\mathbb{C}}(Z)_{\zeta} = Z_{\zeta}^{1/2}$$

$$\underline{S}_e \xrightarrow{\underline{e}g} \underline{S}_{eg}$$

$$\underline{e}g = \frac{a}{0} \mid \frac{b}{d}$$