$$Z \asymp Z_{\mathbb{R}} = \frac{z{:}\bar{z}}{z \in Z} \subset Z_{\mathbb{R}}^{\mathbb{C}} = Z \times \bar{Z} = \frac{z{:}\bar{w}}{z \in Z \ni w}$$

$$B \asymp B_{\mathbb{R}} = \frac{z{:}\bar{z}}{z \in B} = B_{\mathbb{R}}^{\mathbb{C}} \cap Z_{\mathbb{R}} \subset B_{\mathbb{R}}^{\mathbb{C}} = B \times \bar{B} = \frac{z{:}\bar{w}}{z \in B \ni w}$$

$$G \asymp G_{\mathbb{R}} = \frac{g{:}\bar{g}}{g \in G} \subset G_{\mathbb{R}}^{\mathbb{C}} = G \times \bar{G} = \frac{g{:}\bar{y}}{g \in G \ni y}$$

$$K \asymp K_{\mathbb{R}} = \frac{k{:}\bar{k}}{k \in K} = K_{\mathbb{R}}^{\mathbb{C}} \cap G_{\mathbb{R}} \subset K_{\mathbb{R}}^{\mathbb{C}} = K \times \bar{K} = \frac{k{:}\bar{h}}{k \in K \ni h}$$

$${}^{B}\underset{\omega}{\overset{2}{\triangle}} \check{\mathbb{C}}^{\nu} \bowtie {}^{\bar{B}}\underset{\omega}{\overset{2}{\triangle}} \check{\mathbb{C}}^{\nu} = {}_{B \times \bar{B}}\underset{\omega}{\overset{2}{\triangle}} \check{\mathbb{C}}^{\nu} = {}_{B_{\mathbb{R}}^{\mathbb{C}}}\underset{\omega}{\overset{2}{\triangle}} \check{\mathbb{C}}^{\nu} \leftarrow {}_{B_{\mathbb{R}}}\underset{\infty}{\overset{2}{\triangle}} \mathbb{C}$$

$${}_{B_{\mathbb{R}}}\underset{\infty}{\overset{2}{\triangle}} \mathbb{C} \xleftarrow{\mathcal{B}_{\mathbb{R}}^{\nu}} {}_{B_{\mathbb{R}}}\underset{\infty}{\overset{2}{\triangle}} \mathbb{C}$$