$$\text{Riemann }\ \zeta_s = {}_\sharp\mathbb{Q}_s = \sum_{n \geqslant 1} \frac{1}{n^s} = \prod_p \frac{p^s}{p^s - 1} \in {}^{\mathbb{C}\llcorner 1}\triangleright_{\omega}\mathbb{C}$$

$$\xi_s = \frac{\Gamma_{s/2}}{\pi^{s/2}} \zeta_s \in {}^{\mathbb{C}\llcorner 0:1}\triangleright_{\omega}\mathbb{C}$$

$$\xi_s = \xi_{1-s}$$

$$\overline{\sum_{p \leqslant x} \frac{1}{p} - {}^{x}\not{\mathfrak{e}}\,\not{\mathfrak{e}}} \leqslant \text{ const}$$

$$\text{Dirichlet }\ {}_\sharp\mathbb{Q}^{\chi}_s = \sum_{n \geqslant 1} \frac{{}_n\chi}{n^s} = \prod_p \frac{p^s}{p^s - {}_p\chi} \in {}^{\mathbb{C}}\triangleright_{\omega}\mathbb{C}$$

$$ {}_\sharp\bar{\chi}_s = q^{s/2} \frac{\Gamma_{s/2 + \left(1 - {}_{-1}\chi\right)/4}}{\pi^{s/2 + \left(1 - {}_{-1}\chi\right)/4}} {}_\sharp\mathbb{Q}^{\chi}_s$$

$$ {}_\sharp\bar{\chi}_s \sqrt{{}_{-1}\chi q} = {}_\sharp\bar{\bar{\chi}}_{1-s} \sum_{k}^{\mathbb{Z}\,\neg\,\mathbb{Z}q} {}^{2\pi i k/q}\mathfrak{e}\ {}_k\chi$$

$$a \curlywedge q = 1 \Longrightarrow \overline{\sum_{p \leqslant x}^{a + \mathbb{Z}q} \frac{1}{p} - \frac{{}^{x}\not{\mathfrak{e}}\,\not{\mathfrak{e}}}{\mathbb{Z}\overset{\times}{\underset{-}{\neg}}\mathbb{Z}q}} \leqslant \text{ const}$$

Dedekind $Q \sqsubset \mathbb{Q}$

$$ {}_{\sharp}Q_s = \sum_{n \geqslant 1} \frac{{}_{n}Q}{n^s} = \sum_{0 \neq \mathfrak{n} \triangleleft Z} \frac{1}{\underline{\mathfrak{n}}^s} = \prod_{\mathfrak{p}} \frac{\underline{\mathfrak{p}}^s}{\underline{\mathfrak{p}}^s - 1} \in {}^{\mathbb{C} \llcorner 1} \underset{\omega}{\triangle} \mathbb{C} $$

$$ {}_{\copyright}Q_s = \overbrace{\det \omega_i^{\sigma}}^{s} \left(\frac{\Gamma_{s/2}}{\pi^{s/2}} \right)^{r_{\mathbb{R}}} \left(\frac{\Gamma_s}{(2\pi)^s} \right)^{r_{\mathbb{C}}} {}_{\sharp}Q_s $$

$$ {}_{\copyright}Q_s = {}_{\copyright}Q_{1-s} $$

Hecke $Q \sqsubset \mathbb{Q}$

$$ {}_{\sharp}Q_s^{\chi} = \sum_{n \geqslant 1} \frac{{}_{n}Q^{\chi}}{n^s} = \sum_{0 \neq \mathfrak{n} \triangleleft Z} \frac{{}_{\mathfrak{n}}\chi}{\underline{\mathfrak{n}}^s} = \prod_{\mathfrak{p}} \frac{\underline{\mathfrak{p}}^s}{\underline{\mathfrak{p}}^s - 1} \in {}^{\mathbb{C} \llcorner 1} \underset{\omega}{\triangle} \mathbb{C} $$

$$ {}_{\copyright}Q_s = \overbrace{\det \omega_i^{\sigma}}^{s} \left(\frac{\Gamma_{s/2}}{\pi^{s/2}} \right)^{r_{\mathbb{R}}} \left(\frac{\Gamma_s}{(2\pi)^s} \right)^{r_{\mathbb{C}}} {}_{\sharp}Q_s $$

$$ {}_{\copyright}Q_s = {}_{\copyright}Q_{1-s} $$