$$\mathbb{R}_{>} \xrightarrow[\text{bij}]{\not{\mathfrak{e}}} \mathbb{R}$$

$${}^{x}\underline{\not{\mathfrak{e}}} = \frac{1}{x}$$

$${}^{y}\underline{\mathfrak{e}} = {}^{y}\mathfrak{e}$$

$$1 = {}^{x}\underline{\not{\mathfrak{e}}}\;{}^{x\not{\mathfrak{e}}}\underline{\mathfrak{e}} = {}^{x}\underline{\not{\mathfrak{e}}}\;{}^{x\not{\mathfrak{e}}}\mathfrak{e} = {}^{x}\underline{\not{\mathfrak{e}}}\,x$$

$$\overline{x} < 1 \Longrightarrow {}^{1+x}\not{\mathfrak{e}} = \sum_{n \geqslant 1} \overset{n-1}{(-1)} \frac{x^n}{n}$$

$$\partial_x\, {}^{1+x}\not{\mathfrak{e}} = \frac{1}{1+x}$$

$$\partial_x \sum_{n \geqslant 1} \overset{n-1}{(-1)} \frac{x^n}{n} = \sum_{n \geqslant 1} \overset{n-1}{(-1)} n \frac{x^{n-1}}{n} = \sum_{n \geqslant 1} \overset{n-1}{(-1)} x^{n-1} = \sum_{n \geqslant 0} \overset{n}{(-1)} x^n = \sum_{n \geqslant 0} (-x)^n = \frac{1}{1-(-x)} = \frac{1}{1+x}$$

$${}^{1+0}\not{\mathfrak{e}} = 0 = \sum_{n \geqslant 1} \overset{n-1}{(-1)} \frac{0^n}{n}$$

$$x = -1 \Longrightarrow \sum_{n \geqslant 1} \overset{n-1}{(-1)} \frac{(-1)^n}{n} = -\sum_{n \geqslant 1} \frac{1}{n} = -\zeta_1 (1) = -\infty$$

$$x = 1 \Longrightarrow \sum_{n \geqslant 1} \overset{n-1}{(-1)} \frac{1^n}{n} = \sum_{n \geqslant 1} \overset{n-1}{(-1)} \frac{1}{n} = -\zeta_1 (-1) = {}^{2}\not{\mathfrak{e}}$$