

$${}^x\gamma \, = \, 1|x\frac{a}{c} \big| \frac{b}{d} \, = \, \frac{b+xd}{a+xc}$$

$${}^xK \stackrel{C_\gamma}{\underset{\asymp}{\leftarrow}} {}^xK$$

$$\frac{{}^\#\mathfrak{I}_m\left(\frac{b+xd}{a+xc}\right)^m}{{}^\#\mathfrak{I}_n\left(\frac{b+xd}{a+xc}\right)^n}=\frac{{}^\#\mathfrak{I}_m(b+xd)^m(a+xc)^{-m}}{{}^\#\mathfrak{I}_n(b+xd)^n(a+xc)^{-n}}=\frac{{}^\#\mathfrak{I}_m(b+xd)^m(a+xc)^{N-m}}{{}^\#\mathfrak{I}_n(b+xd)^n(a+xc)^{N-n}}$$