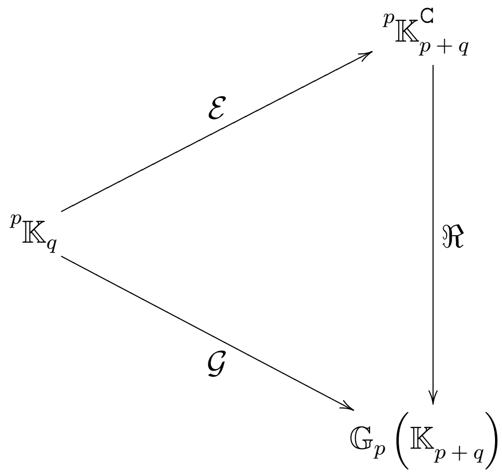

$${}^{p}\mathbb{K}_q \ni \lrcorner \underset{\mathcal{E}}{\mapsto} 1_p{:}\lrcorner \in {}^{p}\mathbb{K}^{\mathsf{C}}_{p+q}$$

$${}^{p}\mathbb{K}^{\mathsf{C}}_{p+q} \ni x{:}y \underset{\Re}{\mapsto} {}^{p}\mathbb{K}^{\mathsf{C}}_{p}\underbrace{x{:}y} = \mathbb{K}^{\mathsf{C}}_{p}\underbrace{x{:}y} = \frac{\Gamma x{:}\Gamma y}{\Gamma \in \mathbb{K}^p} \in \mathbb{G}_p\left(\mathbb{K}_{p+q}\right)$$

$${}^{p}\mathbb{K}_q \ni \lrcorner \underset{\mathcal{G}}{\mapsto} {}^{p}\mathbb{K}^{\mathsf{C}}_{p}\underbrace{1_p{:}\lrcorner} = \mathbb{K}^{\mathsf{C}}_{p}\underbrace{1_p{:}\lrcorner} = \frac{\Gamma{:}\Gamma\lrcorner}{\Gamma \in \mathbb{K}^p} \in \mathbb{G}_p\left(\mathbb{K}_{p+q}\right)$$

$$\lrcorner{:}w \in {}^{p}\mathbb{K}_q \Longrightarrow \left(1_p - \lrcorner\overset{+}{w}|\lrcorner\right) \in {}^{p}\mathbb{K}^{\mathsf{C}}_{p+q}$$

$$\left(1_p - \lrcorner\overset{+}{w}|\lrcorner\right) \asymp \left(1_p - u\overset{+}{v}|u\right) \Leftrightarrow u = \underbrace{1_p - \lrcorner\overbrace{w-v}^{+}}_{-1}\lrcorner$$

$$\left(1_p - \lrcorner\overset{+}{w}|\lrcorner\right) \asymp \left(1_p - u\overset{+}{v}|u\right) \Leftrightarrow \bigvee_{g}^{{}^{p}\mathbb{K}^{\mathsf{C}}_{p}} \left(1_p - u\overset{+}{v}|u\right) = g\left(1_p - \lrcorner\overset{+}{w}|\lrcorner\right) = \left(g - g\lrcorner\overset{+}{w}|g\lrcorner\right) \Leftrightarrow \begin{cases} 1_p - u\overset{+}{v} = g - g\lrcorner\overset{+}{w} \\ u = g\lrcorner \end{cases}$$

$$\Leftrightarrow \begin{cases} 1_p - g\lrcorner\overset{+}{v} = g - g\lrcorner\overset{+}{w} \\ u = g\lrcorner \end{cases} \quad \Leftrightarrow \begin{cases} 1_p = g\underbrace{1_p - \lrcorner\overbrace{v-w}^{+}} \\ u = g\lrcorner \end{cases} \quad \Leftrightarrow u = g\lrcorner = \underbrace{1_p - \lrcorner\overbrace{w-v}^{+}}_{-1}\lrcorner$$