$$G \underset{K}{\times} \widetilde{\underline{K} \urcorner \underline{G}} = \begin{cases} g{:}\flat \sim kg{:}\flat k^{-1} \\ \flat \in \underline{K} \urcorner \underline{G}{:}g \in G \end{cases}$$

$$\begin{array}{ccc} G & \xrightarrow{\quad\quad\quad\quad\quad\quad\quad\quad} & \underline{K} \urcorner \underline{G} \\ \Big\downarrow{\scriptstyle K \urcorner} & & \\ K \urcorner G & \xrightarrow{\quad\quad\quad\quad\quad\quad\quad\quad} & G \underset{K}{\times} \widetilde{\underline{K} \urcorner \underline{G}} \end{array}$$

$$\underline{K} \urcorner \underline{G} \ni \begin{cases} {}^{\gamma_x}\tilde{\flat} = {}^{x}_{1/2}B_x \, {}^{x}\flat \\ {}^{g}\tilde{\flat} = {}^{o}\underline{g} \, {}^{og}\flat \end{cases} \implies {}^{kg}\tilde{\flat} = {}^{o}\underline{kg} \, {}^{okg}\flat = {}^{o}\underline{k} \, {}^{ok}\underline{g} \, {}^{og}\flat = {}^{o}\underline{k} \, {}^{o}\underline{g} \, {}^{og}\flat = {}^{o}\underline{k} \, {}^{g}\tilde{\flat}$$

$$\underline{K} \urcorner \underline{G} \times (og) \ni \begin{cases} {}^{og}\underline{\flat} = {}^{g}\tilde{\flat}{:}g = {}^{o}\underline{g} \, {}^{og}\flat{:}g \\ {}^{x}\underline{\flat} = {}^{\gamma_x}\tilde{\flat}{:}\gamma_x = {}^{x}_{1/2}B_x \, {}^{x}\flat{:}\gamma_x \end{cases}$$