$$
\begin{tikzcd}
 & & {}^{+}_{2}\overset{+}{\mathbb{R}}^{+}_{p:q} \\
 & & {}^{+}\overline{\mathbb{R}}^{+}_{pq:pq} \arrow[ddll] \arrow[ddrr] \arrow[ddrrrr] \\
{}^{+}_{2}\overset{+}{\mathbb{C}}^{+}_{p:q} & & {}^{p:q}\mathbb{R}^{\cup}_{p:q} \times {}^{p:q}\mathbb{R}^{\cup}_{p:q} \arrow[uu] & & {}_{2}\mathbb{R}^{+}_{p:q} & & {}^{+}\mathbb{C}^{+}_{pq:pq} \\
\overline{\mathbb{C}}^{+}_{pq:pq} \arrow[u] \arrow[ddrr] & & {}^{pq}\mathbb{C}^{\supset}_{pq} \arrow[ddll] \arrow[ddrr] \arrow[ddrrrr] & & & & \\
{}^{p:q}\mathbb{R}^{\cup}_{p:q} \times {}^{pq}\mathbb{H}^{\supset}_{pq} \arrow[u] \arrow[ddrr] & & {}^{p:q}\mathbb{R}^{\cup}_{p:q} \arrow[uu] \arrow[ddll] \arrow[ddrr] \arrow[ddrrrr] & & {}^{pq}_{1:1}\mathbb{R}^{\cup}_{pq} \arrow[uu] \arrow[ddll] \arrow[ddrr] & & {}^{pq}\mathbb{C}^{\supset}_{pq} \times {}^{pq}\mathbb{C}^{\supset}_{pq} \arrow[uu] \arrow[ddll] \arrow[ddrr] \\
{}^{p:q}\mathbb{C}^{\cup}_{p:q} \arrow[u] \arrow[ddrr] & & \mathbb{C}^{+}_{pq:pq} \arrow[ddll] \arrow[ddrr] & & {}^{pq}\mathbb{R}^{\subset}_{pq} \arrow[ddll] \arrow[ddrr] & & {}^{pq}\mathbb{C}^{\supset}_{pq} \arrow[ddll] \arrow[ddrr] \\
 & & {}^{pq}_{2}\mathbb{C}^{\supset}_{pq} \arrow[u] \arrow[ddll] \arrow[ddrr] \arrow[ddrrrr] & & & & \\
 & & {}^{pq}\mathbb{C}^{\subset}_{pq} \arrow[u] & & & &
\end{tikzcd}
$$

$$
\begin{tikzcd}
 & {}^{n}\mathbb{C}_{n}^{\supset} \arrow[dr] & & \\
{}^{p:q}\mathbb{R}_{p:q}^{\cup} \arrow[ur] \arrow[r] \arrow[dr] & {}^{2p:2q}\mathbb{R}_{2p:2q}^{\cup} \ulcorner {}^{p:q}\mathbb{C}_{p:q}^{\cup} \arrow[r] & {}^{2p+2q}\mathbb{C}_{2p+2q}^{\supset} \ulcorner {}^{p+q}\mathbb{C}_{p+q}^{\subset} \\
 & {}^{p+q:p+q}\mathbb{R}_{p+q:p+q}^{\cup} \ulcorner {}^{p+q}\mathbb{R}_{p+q}^{\subset} \arrow[ur] &
\end{tikzcd}
$$