$$
\begin{tikzcd}
 & {}^{+}_{2}\bar{\mathbb{C}}^{\bullet}_{n} \\
 & {}^{+}_{2}\overset{+}{\mathbb{C}}^{\bullet}_{n} \arrow[ul] \arrow[dr] \arrow[drr] \arrow[drrr] \\
{}_{2}\bar{\mathbb{C}}_{n} & {}^{n}\mathbb{H}^{\supset}_{n} \arrow[u] \arrow[dr] & & {}^{+}\mathbb{C}_{n:n} \\
{}_{2}\overset{+}{\mathbb{C}}_{n} \arrow[dr] \arrow[drrr] & {}^{n}_{1:1}\mathbb{R}^{\cup}_{n} \arrow[dl] \arrow[dr] \arrow[drr] & \mathbb{C}^{\bullet}_{n:n} \arrow[dl] \arrow[dr] \arrow[drr] & \\
{}^{n}\mathbb{H}^{\subset}_{n} \arrow[u] & {}^{n}\mathbb{C}^{\supset}_{n} \arrow[u] \arrow[dr] \arrow[drr] & {}^{n}_{1:1}\mathbb{C}^{\cup}_{n} \arrow[u] \arrow[dl] \arrow[dr] & {}^{n}_{2}\mathbb{C}^{\supset}_{n} \arrow[u] \arrow[dl] \\
{}^{n}_{2}\mathbb{R}^{\subset}_{n} \arrow[u] \arrow[dr] & {}^{n}\mathbb{C}^{\subset}_{n} \arrow[dl] \arrow[dr] & \mathbb{C}_{n:n} \arrow[dl] \arrow[dr] & {}^{n}\mathbb{C}^{\subset}_{n} \arrow[dl] \arrow[dr] & {}^{n}\mathbb{C}^{\supset}_{n} \times {}^{n}\mathbb{C}^{\supset}_{n} \arrow[u] \arrow[dl] \\
 & {}^{n}_{2}\mathbb{C}^{\subset}_{n} \arrow[u] \arrow[dr] & & \\
 & {}^{n}\mathbb{C}^{\subset}_{n} \times {}^{n}\mathbb{C}^{\subset}_{n} \arrow[u] & &
\end{tikzcd}
$$

$$
\begin{tikzcd}
 & {}^{2n}\mathbb{C}^{\supset}_{2n} \ulcorner {}^{n}\mathbb{C}^{\supset}_{n} \times {}^{n}\mathbb{C}^{\supset}_{n} \arrow[dr] & \\
{}^{n}\mathbb{H}^{\cap}_{n} \urcorner {}^{n}\mathbb{C}^{\supset}_{n} \arrow[ur] \arrow[r] \arrow[dr] & {}^{n}\mathbb{H}^{\subset}_{n} \urcorner {}^{n}\mathbb{C}^{\subset}_{n} \arrow[r] & {}^{2n}\mathbb{C}^{\subset}_{2n} \ulcorner {}^{n}\mathbb{C}^{\subset}_{n} \times {}^{n}\mathbb{C}^{\subset}_{n} \\
 & {}^{n:n}\mathbb{C}^{\cup}_{n:n} \urcorner {}^{n}\mathbb{C}^{\subset}_{n} \arrow[ur] &
\end{tikzcd}
$$