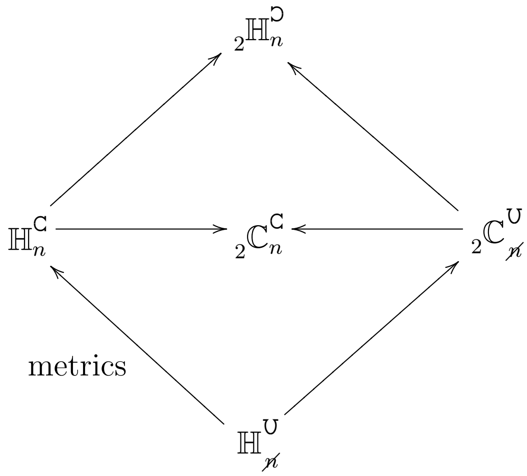
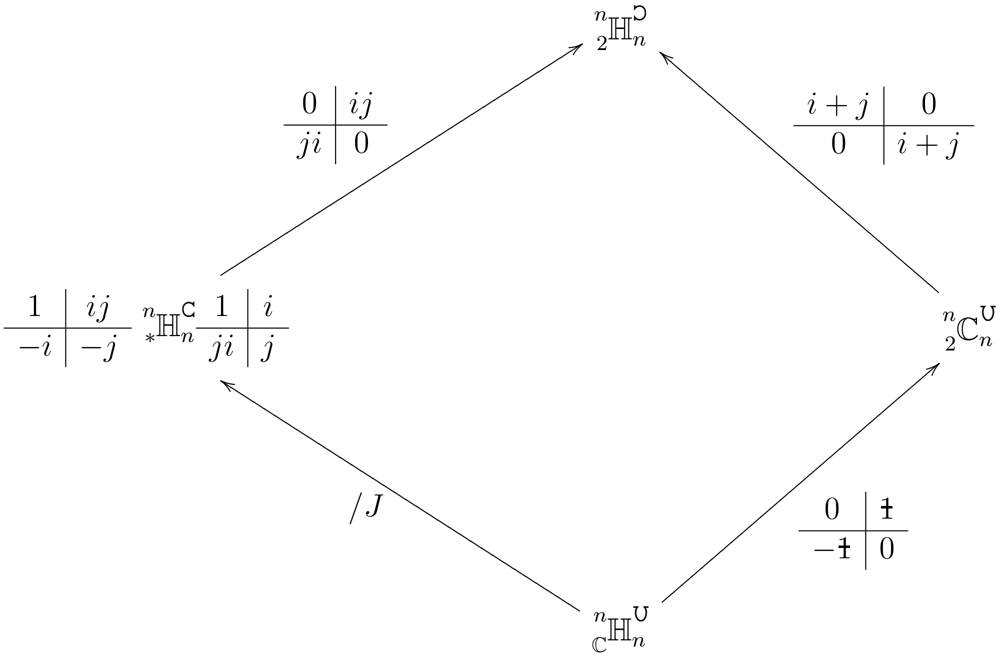
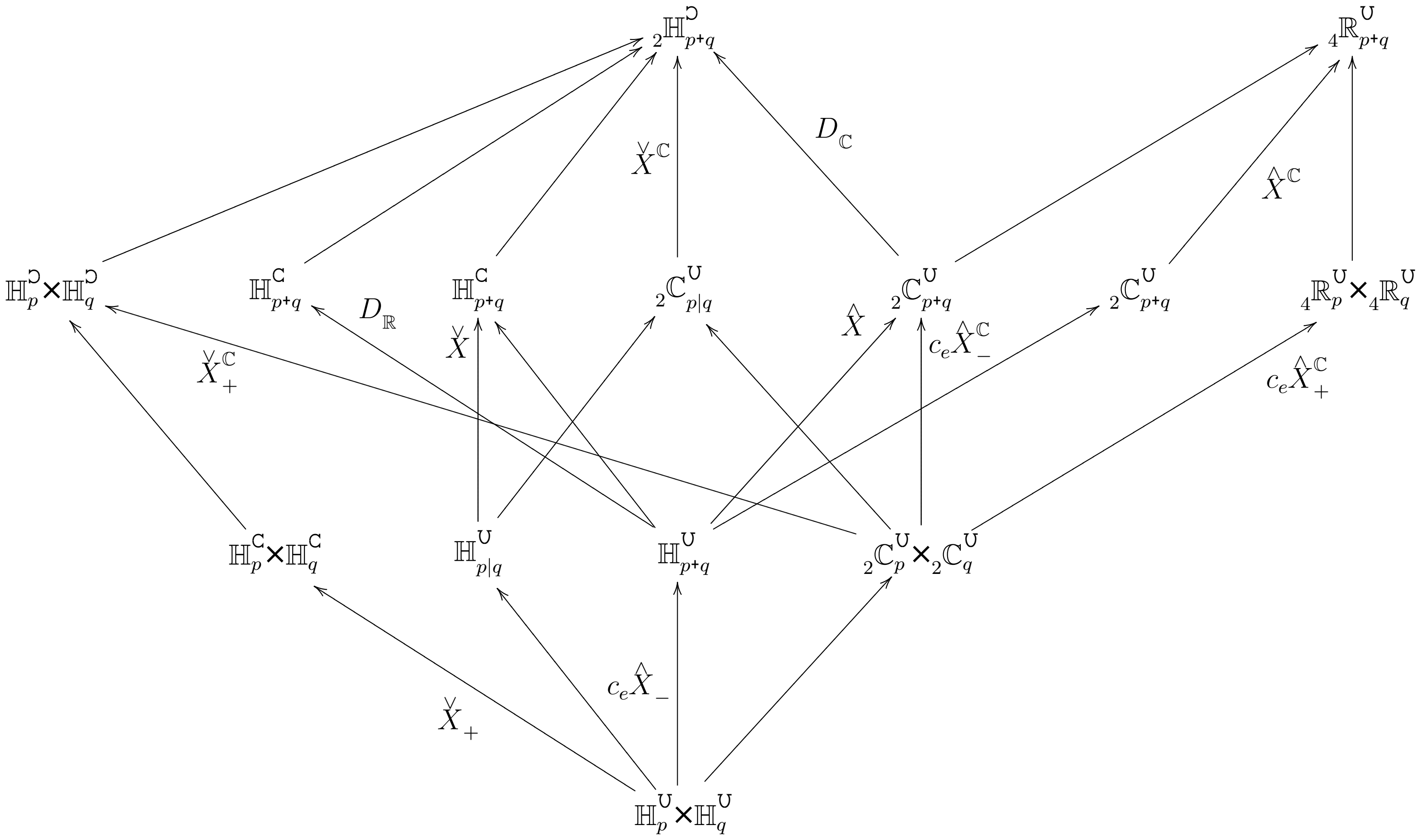
$$X = \mathbb{H}_n^{\text{her=asym}}$$

$$X_+ = \mathbb{H}_p^{\text{asym}} \times \mathbb{H}_q^{\text{asym}}$$

$$X_+^{\mathbb{C}} = {}_2\mathbb{C}_n^{\text{asym}}$$







${}_2\mathbb{H}^{\supset}_{p+q}$
${}_4\mathbb{R}^{\cup}_{p+q}$
$D_{\mathbb{C}}$
$\check{X}^{\mathbb{C}}$
$\hat{X}^{\mathbb{C}}$
$\mathbb{H}^{\supset}_p \times \mathbb{H}^{\supset}_q$
$\mathbb{H}^{\subset}_{p+q}$
$\mathbb{H}^{\subset}_{p+q}$
${}_2\mathbb{C}^{\cup}_{p|q}$
${}_2\mathbb{C}^{\cup}_{p+q}$
${}_2\mathbb{C}^{\cup}_{p+q}$
${}_4\mathbb{R}^{\cup}_p \times {}_4\mathbb{R}^{\cup}_q$
$D_{\mathbb{R}}$
$\check{X}$
$\hat{X}$
$c_e\hat{X}^{\mathbb{C}}_-$
$\check{X}^{\mathbb{C}}_+$
$c_e\hat{X}^{\mathbb{C}}_+$
$\mathbb{H}^{\subset}_p \times \mathbb{H}^{\subset}_q$
$\mathbb{H}^{\cup}_{p|q}$
$\mathbb{H}^{\cup}_{p+q}$
${}_2\mathbb{C}^{\cup}_p \times {}_2\mathbb{C}^{\cup}_q$
$c_e\hat{X}_-$
$\check{X}_+$
$\mathbb{H}^{\cup}_p \times \mathbb{H}^{\cup}_q$