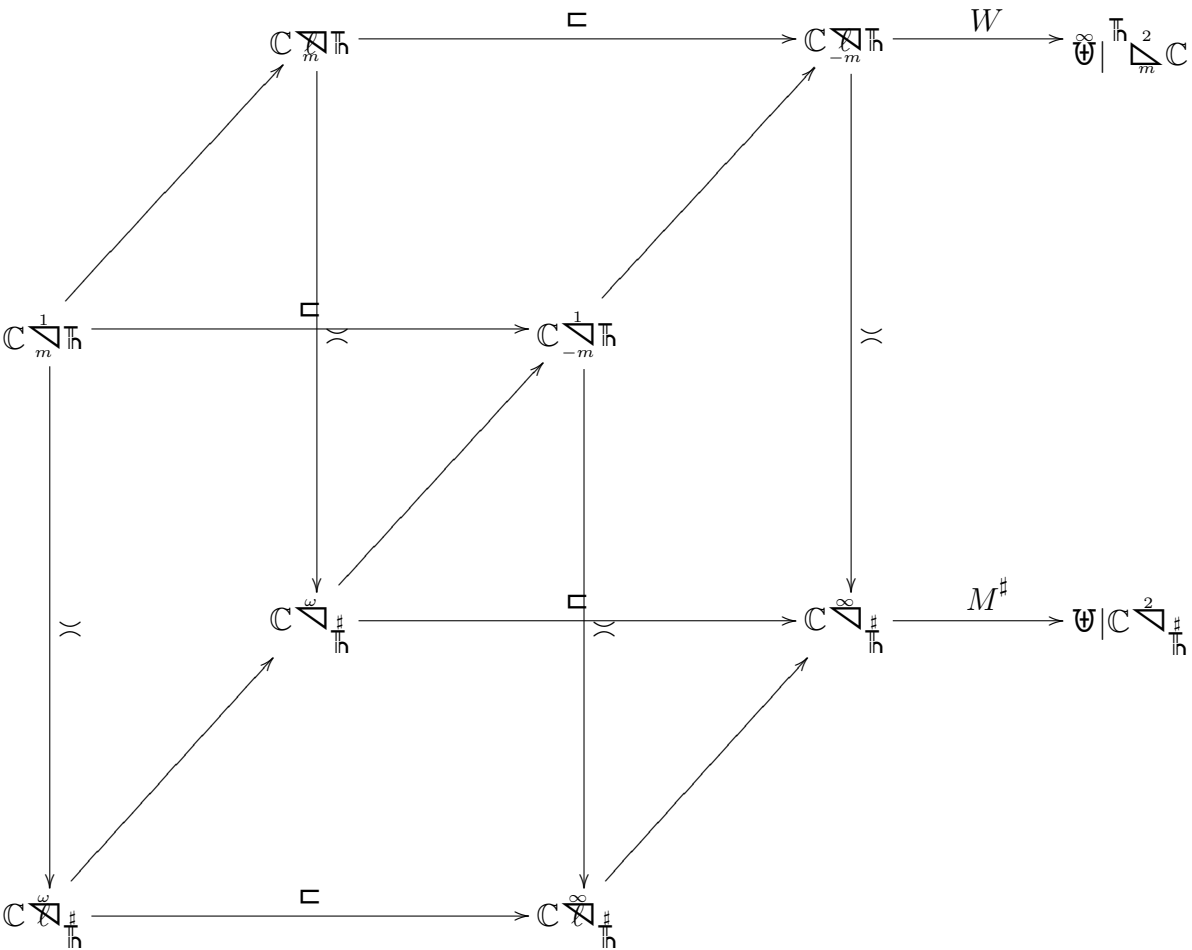




$$u^\sharp_\alpha = \int_{u(ds)}^{\mathbb{H}} \bar{s}^\alpha = \int_{ds}^{\mathbb{H}} {}^s u \, \bar{s}^\alpha$$

$$\overbrace{u \times u}^\sharp = \dot{u}^\sharp \, u^\sharp$$

$$\begin{array}{ccc}
 \mathbb{H}^2_m \triangleleft \mathbb{C} & \xleftarrow[\begin{smallmatrix} f^{\infty}_{\mathbb{H}} \\ \varphi^{\infty}_{\#} \end{smallmatrix}]{l_u} & \mathbb{H}^2_m \triangleleft \mathbb{C} \\
 \downarrow \text{)} & & \downarrow \text{)} \\
 \mathbb{H}^2_{\#} \triangleleft \mathbb{C} & \xleftarrow[\varphi^1_{\mathbb{H}}]{u^{\#}} & \mathbb{H}^2_{\#} \triangleleft \mathbb{C}
 \end{array}$$

$$\varphi^1_{\mathbb{H}} \xi_{\alpha} = \sum_{\beta \in \mathbb{H}} \varphi_{\alpha - \beta} \xi_{\beta}$$