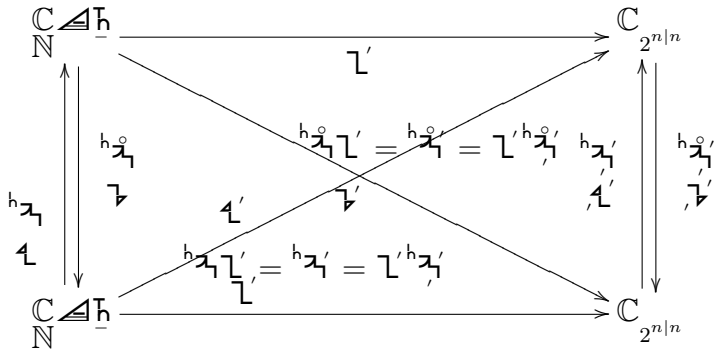

$$\begin{tikzcd} \mathbb{C}_{\mathbb{N}}\text{[illegible]} \arrow[r, "\text{[illegible]}'"'] & \mathbb{C}_{2^{n|n}} \end{tikzcd}$$

$$\text{[illegible]} = \underbrace{\text{[illegible]}'}_{,\text{[illegible]}}$$

$$\text{[illegible]} = \underbrace{\text{[illegible]}'}_{,\text{[illegible]}}$$

$$\begin{tikzcd}[column sep=huge, row sep=huge]
\mathbb{C}_{\mathbb{N}}\text{[illegible]} \arrow[r, "\text{[illegible]}'"'] \arrow[d, shift left, "\text{[illegible]}"] \arrow[rd] & \mathbb{C}_{2^{n|n}} \arrow[d, shift left, "\text{[illegible]}'"] \\
\mathbb{C}_{\mathbb{N}}\text{[illegible]} \arrow[r] \arrow[u, shift left, "\text{[illegible]}"] \arrow[ru, "\text{[illegible]}'"] & \mathbb{C}_{2^{n|n}} \arrow[u, shift left, "\text{[illegible]}'"]
\end{tikzcd}$$

$$\text{[illegible]}' = \text{[illegible]}' = \text{[illegible]}'$$

$$\text{[illegible]}' = \text{[illegible]}' = \text{[illegible]}'$$

$$\text{[illegible]}^{*} = \underbrace{\text{[illegible]}'}\underbrace{\text{[illegible]}'}\text{[illegible]} = \det \underbrace{\text{[illegible]}^{I}}\underbrace{\text{[illegible]}^{J}}\text{[illegible]}_{IJ}$$

$$\text{[illegible]} = \begin{cases} \underbrace{\text{[illegible]}'}\text{[illegible]} \\ \underbrace{\text{[illegible]}'}_{,}\text{[illegible]} \end{cases}$$

$$\text{[illegible]} = \begin{cases} \underbrace{\text{[illegible]}'}\text{[illegible]} \\ \underbrace{\text{[illegible]}'}_{,}\text{[illegible]} \end{cases}$$

$$\text{[illegible]}' = \begin{cases} \underbrace{\text{[illegible]}}\text{[illegible]}' & = \underbrace{\text{[illegible]}'}\text{[illegible]}' \\ \underbrace{\text{[illegible]}}\text{[illegible]}' & = \underbrace{\text{[illegible]}'}_{,}\text{[illegible]}' \end{cases}$$

$$\text{[illegible]}' = \begin{cases} \underbrace{\text{[illegible]}}\text{[illegible]}' & = \underbrace{\text{[illegible]}'}\text{[illegible]}' \\ \underbrace{\text{[illegible]}}\text{[illegible]}' & = \underbrace{\text{[illegible]}'}_{,}\text{[illegible]}' \end{cases}$$

$$\begin{cases} \text{[illegible]}' & = \underbrace{\text{[illegible]}'}\text{[illegible]}' = \underbrace{\text{[illegible]}}\text{[illegible]}' \\ \text{[illegible]}' & = \underbrace{\text{[illegible]}'}_{,}\text{[illegible]}' = \underbrace{\text{[illegible]}}\text{[illegible]}' \end{cases}$$

$$\begin{cases} \text{[illegible]}' & = \underbrace{\text{[illegible]}'}\text{[illegible]}' = \underbrace{\text{[illegible]}}\text{[illegible]}' \\ \text{[illegible]}' & = \underbrace{\text{[illegible]}'}_{,}\text{[illegible]}' = \underbrace{\text{[illegible]}}\text{[illegible]}' \end{cases}$$

$$\begin{cases} \text{[illegible]} & = \underbrace{\text{[illegible]}'}\text{[illegible]} = \underbrace{\text{[illegible]}'}_{,}\text{[illegible]} \\ \text{[illegible]} & = \underbrace{\text{[illegible]}'}_{,}\text{[illegible]} = \underbrace{\text{[illegible]}'}_{,}\text{[illegible]} \end{cases}$$

$$\begin{cases} \text{[illegible]} & = \underbrace{\text{[illegible]}'}\text{[illegible]} = \underbrace{\text{[illegible]}'}_{,}\text{[illegible]} \\ \text{[illegible]} & = \underbrace{\text{[illegible]}'}_{,}\text{[illegible]} = \underbrace{\text{[illegible]}'}_{,}\text{[illegible]} \end{cases}$$

$\mathbb{C}\wr\mathbb{N}$
$\mathbb{C}\wr\mathbb{N}$
$\mathbb{C}\wr\mathbb{N}$
$\mathbb{C}\wr\mathbb{N}$

$$\mathbb{C} \trianglelefteq \underline{H}_{\mathbb{N}}$$

$$\mathbb{C} \trianglelefteq \underline{H}_{\mathbb{N}} \times H$$

$$\underline{H}^{\circ}_{\mathbb{N}}(G/H) \qquad \underline{H}_{\mathbb{N}}(G/H)$$

$$\underline{H}_{\mathbb{N}}(G/K) \qquad \underline{H}_{\mathbb{N}}(G/L)$$

$$\underline{H}_{\mathbb{N}}(G/L) \qquad \underline{H}_{\mathbb{N}}(G/K)$$

$$\underline{H}^{\circ}_{\mathbb{N}}(G/K) \qquad \underline{H}_{\mathbb{N}}(G/H)$$

$$\underline{H}_{\mathbb{N}}(G/H) = \underline{H}_{\mathbb{N}}(G/H)\underline{\nu}_H = \underline{H}_{\mathbb{N}}(G/H)$$

$$\underline{\nu}_H$$

$$\underline{\nu}_H$$

$$\underline{H}_{\mathbb{N}}(G/H) = \underline{H}_{\mathbb{N}}(G/H)\underline{\nu}_H = \underline{H}_{\mathbb{N}}(G/H)$$

$$\mathbb{C} \trianglelefteq \underline{H}_{\mathbb{N}}$$

$$\mathbb{C} \trianglelefteq \underline{H}_{\mathbb{N}}$$

$$\underline{1}_H = \begin{cases} \underline{1}_K & \\ \underline{1}_L & \end{cases}$$

$$\begin{cases} \underline{1}_K = \underline{1}^{\circ}_K \underline{\nu}_H \\ \underline{1}_L = \underline{1}_L \underline{\nu}_H \end{cases}$$

$$\underline{1}\underline{\nu}_H = \begin{cases} \underline{1}_K & \\ \underline{1}_L & \end{cases}$$

$$\begin{cases} \text{[illegible]} & = \underbrace{\text{[illegible]}}\ \text{[illegible]} \\ \text{[illegible]} & = \underbrace{\text{[illegible]}}\ \text{[illegible]} \end{cases}$$

$$\begin{cases} \text{[illegible]} & = \underbrace{\text{[illegible]}}\ \text{[illegible]} \\ \text{[illegible]} & = \underbrace{\text{[illegible]}}\ \text{[illegible]} \end{cases}$$