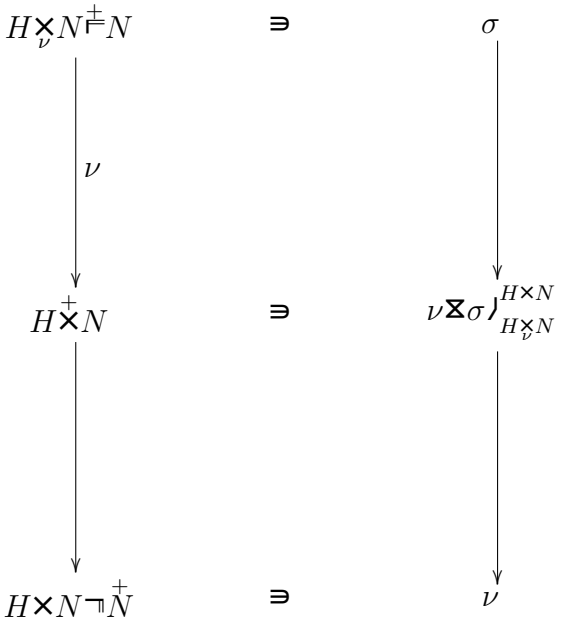


$$H \overset{+}{\times} N = \bigcup_{\nu \in H \times N \urcorner \overset{+}{N}} H \underset{\nu}{\times} N \overset{+}{\vdash} N$$

$$g \ltimes \nu \in \overset{+}{N} \xleftarrow{\ltimes} \underbrace{H \times H} \ltimes \overset{+}{N} \ni g{:}\nu$$

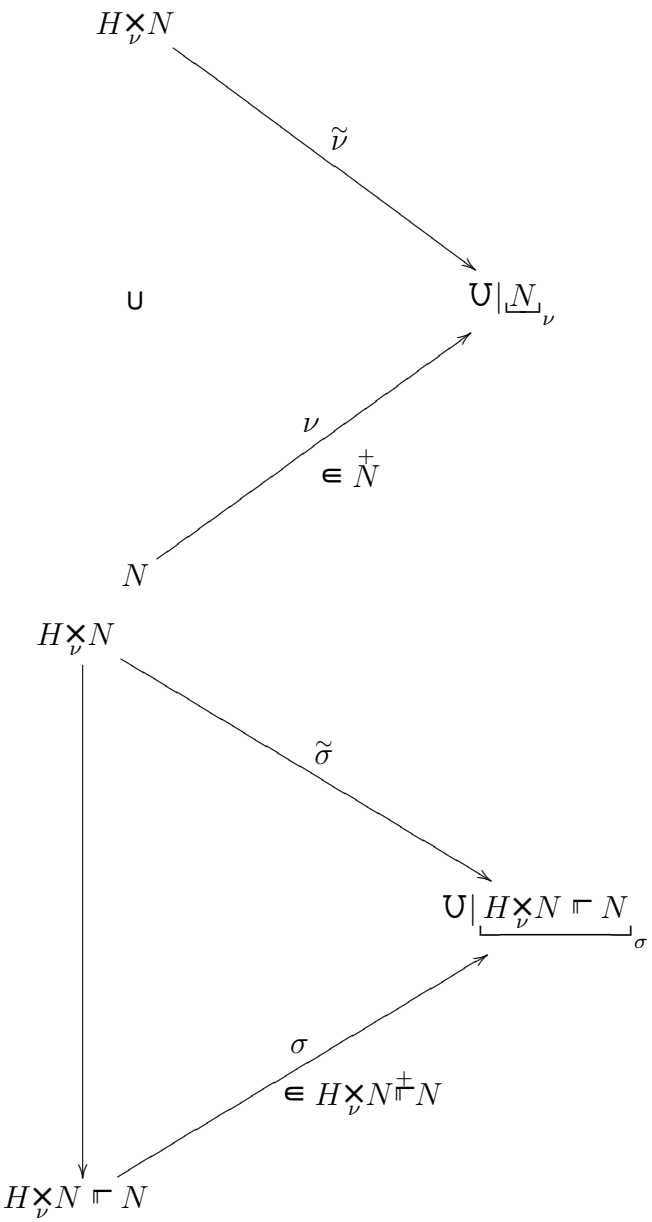
$$n^{g \ltimes \nu} = \overbrace{\overset{-1}{g} n g}^{\nu}$$

$$g \ltimes \underbrace{\acute{g} \ltimes n} = \underbrace{g\acute{g}} \ltimes \nu$$

$$n^{g \ltimes \underbrace{\acute{g} \ltimes \nu}} = \overbrace{\overset{-1}{g} n g}^{\acute{g} \ltimes \nu} = \overbrace{\acute{g}^{-1} \underbrace{\overset{-1}{g} n g} \acute{g}}^{\nu} = \overbrace{\underbrace{\overset{-1}{g\acute{g}}} n \underbrace{g\acute{g}}}^{\nu} = n^{\widehat{g\acute{g}} \ltimes \nu}$$

$$N \underset{\text{ex}}{\lhd} H \underset{\nu}{\times} N = \frac{g \in H \times N}{g \ltimes \nu * \nu \in \overset{+}{N}} \lhd H \times N$$

$$n^{m \ltimes \nu} = \overbrace{\overset{-1}{m} n m}^{\nu} = m^{-\nu}\, n^{\nu}\, m^{\nu} * n^{\nu}$$


$H \underset{\nu}{\times} N$
$\widetilde{\nu}$
$\cup$
$\mathcal{U}|\underline{N}_{\nu}$
ν
$\in \overset{+}{N}$
N
$H \underset{\nu}{\times} N$
$\widetilde{\sigma}$
$\mathcal{U}|\underline{H \underset{\nu}{\times} N \urcorner N}_{\sigma}$
σ
$\in H \underset{\nu}{\times} N \overset{+}{\urcorner} N$
$H \underset{\nu}{\times} N \urcorner N$