

Fortsetzung

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$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rceil))$$
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$$((\perp \cdot \perp, \top \cdot \perp), [\perp \cdot \top, \top \cdot \top])$$

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$((\perp . \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\Gamma))$
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$((\perp, \top, \top, \top], [\perp, \top, \top, \perp])$
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((א.ה, א.ה], [א.א, א.ה))
((א.ה, א.ה], [א.א, א.א])
((א.ה, א.ה], [א.א, א.א])
((א.ה, א.ה], [א.א, א.ה])
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[illegible]

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 $([\perp.\top, \top.\top), (\perp.\top, \top.\top])$
$$([\perp.\top, \top.\top), [\perp.\bot, \top.\bot]))$$
 $([\perp, \top], [\perp, \top], [\perp, \top])$
$$([\perp.\top, \top.\top), [\perp.\perp, \top.\top))$$
$$([\perp.\top, \top.\top), [\perp.\top, \top.\perp])$$
 $([\perp, \top], [\perp, \top], [\perp, \top])$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\perp.\top, \top.\top), [\perp.\top, \top.\perp))$$

([$\perp$], $\top$), ($\top$, $\top$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\perp$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\perp$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\perp$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\perp$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\perp$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\perp$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\perp$))
([$\perp$], $\top$), ([$\perp$], $\top$))
([$\perp$], $\top$), ([$\perp$], $\top$))

[illegible]

[illegible]

([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . ⊥])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . ⊔])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . ⊥])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . ⊔])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊔ , Γ . ⊥])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊔ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊔ , Γ . ⊔])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . ⊥]))
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . Γ]))
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . ⊔]))
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . ⊥]))
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ]))
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . ⊔]))
([⊥ . Γ , Γ . Γ] , [⊥ . ⊔ , Γ . ⊥]))
([⊥ . Γ , Γ . Γ] , [⊥ . ⊔ , Γ . Γ]))
([⊥ . Γ , Γ . Γ] , [⊥ . ⊔ , Γ . ⊔]))
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . ⊥])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . ⊔])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . ⊥])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . ⊔])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊔ , Γ . ⊥])

[illegible]

$([a, b], [a, c])$
 $([a, b], [a, d])$
 $([a, b], [a, e])$
 $([a, b], [c, d])$
 $([a, b], [c, e])$
 $([a, b], [c, f])$
 $([a, b], [d, e])$
 $([a, b], [d, f])$
 $([a, b], [e, f])$
 $([a, b], [a, b])$
 $([a, b], [a, c])$
 $([a, b], [a, d])$
 $([a, b], [a, e])$
 $([a, b], [a, f])$
 $([a, b], [c, d])$
 $([a, b], [c, e])$
 $([a, b], [c, f])$
 $([a, b], [d, e])$
 $([a, b], [d, f])$
 $([a, b], [e, f])$
 $[a, b, c].([a, b], [a, c])$
 $([c, d], [c, d])$
 $([c, d], [c, e])$
 $([c, d], [c, f])$

$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp, \top), (\perp, \top))$$
$$((\perp, \top), (\perp, \top))$$
$$((\perp, \top), (\perp, \top))$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$((\perp \cdot \perp, \top \cdot \top), (\perp \cdot \top, \top \cdot \top))$$
$$((\perp \cdot \perp, \top \cdot \top), (\perp \cdot \top, \top \cdot \perp))$$
$$((\perp \cdot \perp, \top \cdot \top), (\perp \cdot \top, \top \cdot \perp))$$
$$((\perp, \top), (\perp, \top))$$
$$((\perp, \top), (\perp, \top))$$
$$((\perp, \top), (\perp, \top])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp \cdot \perp, \top \cdot \top), (\perp \cdot \perp, \top \cdot \top]))$$
$$((\perp \cdot \perp, \top \cdot \top), (\perp \cdot \top, \top \cdot \perp])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$((\perp \cdot \perp, \top \cdot \top), (\perp \cdot \top, \top \cdot \perp])$$
$$((\perp \cdot \perp, \top \cdot \top), (\perp \cdot \top, \top \cdot \perp))$$
$$((\sqcup \cdot \sqcup, \sqcap \cdot \sqcap), (\sqcup \cdot \sqcap, \sqcap \cdot \sqcup))$$

$((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\perp, \Gamma.\top))$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp \cdot \Gamma, \Gamma.\perp))$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp \cdot \Gamma, \Gamma.\top))$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp \cdot \Gamma, \Gamma.\top))$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\perp))$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\top))$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\top))$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\perp, \Gamma.\perp])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\perp, \Gamma.\top])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\perp, \Gamma.\top])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp \cdot \Gamma, \Gamma.\perp])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp \cdot \Gamma, \Gamma.\top])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp \cdot \Gamma, \Gamma.\top])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\perp])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\top])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\top])$
 $((\perp \cdot \Gamma, \Gamma.\top), (\perp.\perp, \Gamma.\perp))$
 $((\perp \cdot \Gamma, \Gamma.\top), (\perp.\perp, \Gamma.\top))$
 $((\perp \cdot \Gamma, \Gamma.\top), (\perp.\perp, \Gamma.\top))$
 $((\perp \cdot \Gamma, \Gamma.\top), (\perp \cdot \Gamma, \Gamma.\perp))$
 $((\perp \cdot \Gamma, \Gamma.\top), (\perp \cdot \Gamma, \Gamma.\top))$
 $((\perp \cdot \Gamma, \Gamma.\top), (\perp \cdot \Gamma, \Gamma.\top))$
 $((\perp \cdot \Gamma, \Gamma.\top), (\perp.\top, \Gamma.\perp))$
 $((\perp \cdot \Gamma, \Gamma.\top), (\perp.\top, \Gamma.\top))$
 $((\perp \cdot \Gamma, \Gamma.\top), (\perp.\top, \Gamma.\top))$

$$\begin{aligned}
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\perp)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\perp)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\perp, \top.\perp)) \\
& ((\perp.\top, \top.\perp), (\perp.\perp, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\perp, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\perp)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\perp)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\perp, \top.\perp)) \\
& ((\perp.\top, \top.\perp), (\perp.\perp, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\perp, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\perp)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\top)) \\
& ((\perp.\top, \top.\perp), (\perp.\top, \top.\perp)) \\
& ((\perp.\top, \top.\top), (\perp.\perp, \top.\perp))
\end{aligned}$$

$((\perp.\top, \top.\top), [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\top), [\perp.\perp, \top.\perp])$
 $((\perp.\top, \top.\top), [\perp.\perp, \top.\top])$
 $((\perp.\top, \top.\top), [\perp.\perp, \top.\top])$
 $((\perp.\top, \top.\top), [\perp.\top, \top.\perp])$
 $((\perp.\top, \top.\top), [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\top), [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\top), [\perp.\top, \top.\perp])$
 $((\perp.\top, \top.\top), [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\top), [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\perp))$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$

$((\perp.\top, \top.\top), (\perp.\perp, \top.\perp])$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\top])$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\top])$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\perp])$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top])$

$((\perp . \perp , \top . \perp), (\perp . \perp , \top . \top))$
 $((\perp . \perp , \top . \perp), (\perp . \perp , \top . \top))$
 $((\perp . \perp , \top . \perp), (\perp . \top , \top . \perp))$
 $((\perp . \perp , \top . \perp), (\perp . \top , \top . \top))$
 $((\perp . \perp , \top . \perp), (\perp . \top , \top . \top))$
 $((\perp . \perp , \top . \perp), (\perp . \top , \top . \perp))$
 $((\perp . \perp , \top . \perp), (\perp . \top , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \perp , \top . \perp))$
 $((\perp . \perp , \top . \top), (\perp . \perp , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \perp , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \perp))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \perp))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \perp , \top . \perp))$
 $((\perp . \perp , \top . \top), (\perp . \perp , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \perp))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \perp))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \top))$

$((\perp . \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\top, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\top, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\top, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\top])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\top])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\top])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\top, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\top, \Gamma.\top])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\top, \Gamma.\top])$
 $((\perp . \Gamma, \Gamma.\top], (\perp.\perp, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\top], (\perp.\perp, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\top], (\perp.\perp, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\top], (\perp.\Gamma, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\top], (\perp.\Gamma, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\top], (\perp.\Gamma, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\top], (\perp.\top, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\top], (\perp.\top, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\top], (\perp.\top, \Gamma.\top))$

$((\perp . \Gamma, \Gamma . \Pi, (\perp . \Delta, \Gamma . \Delta))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Delta, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Delta, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \Delta))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \neg, \Gamma . \Delta))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \neg, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \neg, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Gamma]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Gamma]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \Gamma]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Gamma]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Gamma]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \Delta]))$

$((\perp, \top, \top, \top], [\perp, \top, \top, \top])$
 $((\perp, \top, \top, \top], [\perp, \top, \top, \top])$
 $((\perp, \top, \top, \top], (\perp, \perp, \top, \perp))$
 $((\perp, \top, \top, \top], (\perp, \perp, \top, \top))$
 $((\perp, \top, \top, \top], (\perp, \perp, \top, \top))$
 $((\perp, \top, \top, \top], (\perp, \top, \top, \perp))$
 $((\perp, \top, \top, \top], (\perp, \top, \top, \top))$
 $((\perp, \top, \top, \top], (\perp, \top, \top, \perp))$
 $((\perp, \top, \top, \top], (\perp, \top, \top, \top))$
 $((\perp, \top, \top, \top], (\perp, \top, \top, \top))$
 $((\perp, \top, \top, \top], (\perp, \perp, \top, \perp])$
 $((\perp, \top, \top, \top], (\perp, \perp, \top, \top])$
 $((\perp, \top, \top, \top], (\perp, \perp, \top, \top])$
 $((\perp, \top, \top, \top], (\perp, \top, \top, \perp])$
 $((\perp, \top, \top, \top], (\perp, \top, \top, \top])$
 $((\perp, \top, \top, \top], (\perp, \top, \top, \perp])$
 $((\perp, \top, \top, \top], (\perp, \top, \top, \top])$
 $((\perp, \top, \top, \top], [\perp, \perp, \top, \perp])$
 $((\perp, \top, \top, \top], [\perp, \perp, \top, \top])$
 $((\perp, \top, \top, \top], [\perp, \perp, \top, \top])$
 $((\perp, \top, \top, \top], [\perp, \top, \top, \perp])$
 $((\perp, \top, \top, \top], [\perp, \top, \top, \top])$

$$(\lceil \cdot \rceil, \lfloor \cdot \rfloor), (\lfloor \cdot \rfloor, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lfloor \cdot \rfloor), (\lfloor \cdot \rfloor, \lceil \cdot \rceil)$$
$$([\perp.\top, \top.\perp), [\perp.\perp, \top.\top))$$
$$([\perp.\top, \top.\perp), [\perp.\perp, \top.\top))$$
$$([\perp.\top, \top.\perp), [\perp.\perp, \top.\top))$$
$$([\perp.\top, \top.\perp), [\perp.\top, \top.\perp))$$
$$([\perp.\top, \top.\perp], [\perp.\top, \top.\top])$$
$$([\perp.\top, \top.\perp], [\perp.\top, \top.\top])$$
$$([\perp.\top, \top.\perp), [\perp.\top, \top.\perp))$$
$$([\perp.\top, \top.\perp), [\perp.\top, \top.\top))$$
$$([\perp.\top, \top.\perp), [\perp.\top, \top.\top))$$
 $([\perp.\top, \top.\perp], [\perp.\perp, \top.\top])$ $([\perp, \top], [\perp, \perp], [\top, \top])$ $([\perp.\top, \top.\perp], [\perp.\perp, \top.\top])$ $([\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$ $([\perp . \neg, \neg . \perp], [\perp . \neg, \neg . \neg])$ $([\perp.\top, \top.\perp], [\perp.\top, \top.\top])$
$$([\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$$
 $([\perp.\top, \top.\perp], [\perp.\top, \top.\top])$ $([\perp.\top, \top.\perp], [\perp.\top, \top.\top])$
$$(\lceil _ \rceil, \lceil _ \rceil), (\lceil _ \rceil, \lceil _ \rceil))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lfloor \cdot \rfloor), (\lceil \cdot \rceil, \lfloor \cdot \rfloor))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$

$([1, 7], [7, 7]), [1, 1], [1, 1])$
 $([1, 7], [7, 7]), [1, 1], [1, 7])$
 $([1, 7], [7, 7]), [1, 1], [1, 7])$
 $([1, 7], [7, 7]), [1, 7], [1, 1])$
 $([1, 7], [7, 7]), [1, 7], [1, 7])$
 $([1, 7], [7, 7]), [1, 7], [1, 7])$
 $([1, 7], [7, 7]), [1, 7], [1, 1])$
 $([1, 7], [7, 7]), [1, 7], [1, 7])$
 $([1, 7], [7, 7]), [1, 7], [1, 7])$
 $([1, 7], [7, 7]), [1, 1], [1, 1])$
 $([1, 7], [7, 7]), [1, 1], [1, 7])$
 $([1, 7], [7, 7]), [1, 1], [1, 7])$
 $([1, 7], [7, 7]), [1, 7], [1, 7])$
 $([1, 7], [7, 7]), [1, 7], [1, 1])$
 $([1, 7], [7, 7]), [1, 7], [1, 7])$
 $([1, 7], [7, 7]), [1, 7], [1, 7])$
 $([1, 1], [1, 1]), ([1, 1], [1, 1])$
 $([1, 1], [1, 1]), ([1, 1], [1, 7])$
 $([1, 1], [1, 1]), ([1, 1], [1, 7])$
 $([1, 1], [1, 1]), ([1, 7], [1, 1])$
 $([1, 1], [1, 1]), ([1, 7], [1, 7])$
 $([1, 1], [1, 1]), ([1, 7], [1, 1])$

([1.1], [1.7], [1.1], [1.7])
([1.1], [1.7], [1.1], [1.7])
([1.1], [1.7], [1.7], [1.1])
([1.1], [1.7], [1.7], [1.7])
([1.1], [1.7], [1.7], [1.7])
([1.1], [1.7], [1.7], [1.1])
([1.1], [1.7], [1.7], [1.7])
([1.1], [1.7], [1.7], [1.7])
([1.1], [1.7], [1.1], [1.1])
([1.1], [1.7], [1.1], [1.7])
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([1.1], [1.7], [1.7], [1.7])
([1.1], [1.7], [1.7], [1.7])

[illegible]

$$([\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$$
$$([\bot, \top, \top, \bot], [\bot, \top, \top, \top])$$
$$([\bot, \top, \top, \bot], [\bot, \top, \top, \bot])$$
$$([\perp \cdot \top, \top \cdot \perp], [\perp \cdot \perp, \top \cdot \top])$$
$$([\perp, \top, \top, \perp], [\perp, \perp, \top, \top])$$
$$([\bot, \top, \top, \bot], [\bot, \bot, \top, \top])$$
$$([\perp \cdot \top, \top \cdot \perp], [\perp \cdot \top, \top \cdot \perp])$$
$$([\perp \cdot \top, \top \cdot \perp], [\perp \cdot \top, \top \cdot \top])$$
$$([\perp \cdot \top, \top \cdot \perp], [\perp \cdot \top, \top \cdot \top])$$
$$([\perp, \top, \top, \perp], [\perp, \top, \top, \perp])$$
$$([\perp, \top, \top, \perp], [\perp, \top, \top, \perp])$$
$$([\perp, \top, \top, \perp], [\perp, \top, \top, \perp])$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil, (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$([\perp \cdot \top, \top \cdot \top], (\perp \cdot \perp, \top \cdot \top))$$
$$([\perp.\top, \top.\top], ([\perp.\perp, \top.\top]))$$
$$([\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \perp))$$
$$([\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \top))$$
$$([\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \top))$$
$$([\perp.\top, \top.\top], ([\perp.\bot, \top.\perp]))$$
$$([\perp, \top, \top, \top], (\perp, \top, \top, \top))$$
$$([\perp.\top, \top.\top], ([\perp.\top, \top.\top]))$$
$$([\perp, \top, \top, \top], ([\perp, \perp], [\top, \perp]))$$
$$([\perp, \top, \top, \top], ([\perp, \perp], [\top, \top]))$$
$$([\perp.\top, \top.\top], ([\perp.\perp, \top.\top]))$$
$$([\perp \cdot \top, \top \cdot \top], ([\perp \cdot \top, \top \cdot \perp]))$$

$$\begin{aligned}
& ([\perp, \top, \top, \top], [\perp, \top, \top, \top]) \\
& ([\perp, \top, \top, \top], [\perp, \top, \top, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \top, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \top, \top]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \top, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \bot, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \bot, \top]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \bot, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \top, \top, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \top, \top, \top]) \\
& ([\perp, \top, \top, \top], [\perp, \top, \top, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \top, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \top, \top]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \bot, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \bot, \top]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \bot, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \bot, \top]) \\
& ([\perp, \top, \top, \top], [\perp, \top, \top, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \top, \top, \top]) \\
& ([\perp, \top, \top, \top], [\perp, \top, \top, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \top, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \top, \top]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \bot, \bot]) \\
& ([\perp, \top, \top, \top], [\perp, \bot, \bot, \top])
\end{aligned}$$

$$([\perp.\top, \top.\top], (\perp.\perp, \top.\top))$$
$$([\perp.\top, \top.\top], (\perp.\top, \top.\perp))$$
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$$([\perp.\top, \top.\top], (\perp.\top, \top.\top))$$
$$([\perp.\top, \top.\top], (\perp.\top, \top.\top))$$
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$$([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \perp])$$
 $([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$ $([\perp, \top, \top, \top], [\perp, \top, \top, \top])$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
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$$([\perp.\top, \top.\top], [\perp.\perp, \top.\perp]))$$
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$$([\sqcup, \sqcap, \sqcap, \sqcup], [\sqcup, \sqcap, \sqcap, \sqcup])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$

([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))
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$([a, b], [c, d])$
 $([a, b], [c, e])$
 $([a, b], [c, f])$
 $([a, b], [d, e])$
 $([a, b], [d, f])$
 $([a, b], [e, f])$
 $([a, c], [b, d])$
 $([a, c], [b, e])$
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 $([a, c], [d, e])$
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 $([a, d], [b, e])$
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 $([a, d], [e, f])$
 $([a, e], [b, c])$
 $([a, e], [b, d])$
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 $([a, f], [b, e])$
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 $([a, f], [c, e])$
 $([a, f], [d, e])$

$((\perp . \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\top])$
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 $((\perp . \Gamma, \Gamma.\perp), [\perp.\perp, \Gamma.\top])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp.\Gamma, \Gamma.\perp])$
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 $((\perp . \Gamma, \Gamma.\perp), [\perp.\Gamma, \Gamma.\top])$
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 $((\perp . \Gamma, \Gamma.\top), (\perp.\perp, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\top), (\perp.\Gamma, \Gamma.\perp))$
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 $((\perp . \Gamma, \Gamma.\top), (\perp.\perp, \Gamma.\top))$
 $((\perp . \Gamma, \Gamma.\top), (\perp.\Gamma, \Gamma.\perp))$

$$((\perp \cdot \top, \top \cdot \top), (\perp \cdot \top, \top \cdot \top])$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil])$$
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$$((\sqcup \cdot \sqsupset, \sqsupset \cdot \sqsupset), [\sqcup \cdot \sqsupset, \sqsupset \cdot \sqsupset))$$
$$((\sqcup \cdot \sqsupset, \sqsupset \cdot \sqsupset), [\sqcup \cdot \sqsupset, \sqsupset \cdot \sqsupset])$$
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$$((\sqcup \cdot \sqcup, \sqcup \cdot \sqcup), [\sqcup \cdot \sqcup, \sqcup \cdot \sqcup])$$
$$((\sqcup, \sqcap, \sqcap, \sqcap), [\sqcup, \sqcap, \sqcap, \sqcap])$$
$$((\sqcup, \sqcap, \sqcap, \sqcap), [\sqcup, \sqcap, \sqcap, \sqcap])$$
$$((\sqcup, \sqcap, \sqcap, \sqcap), [\sqcup, \sqcap, \sqcap, \sqcap])$$
$$((\sqcup, \sqcap, \sqcap, \sqcap), [\sqcup, \sqcap, \sqcap, \sqcap])$$
$$((\perp \cdot \top, \top \cdot \top), (\perp \cdot \perp, \top \cdot \perp))$$
$$((\perp, \top, \top, \top), (\perp, \perp, \top, \top))$$

$$((\perp.\top, \top.\top), (\perp.\perp, \top.\top))$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top))$$
$$((\perp, \top, \top, \top), (\perp, \top, \top, \top))$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$$
$$((\perp, \top, \top, \top), (\perp, \top, \top, \top))$$
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$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp, \top, \top, \top), (\perp, \perp, \top, \top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp \cdot \top, \top \cdot \top), (\perp \cdot \top, \top \cdot \perp])$$
$$((\perp \cdot \top, \top \cdot \top), (\perp \cdot \top, \top \cdot \top])$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top])$$
$$((\sqcup, \sqcap, \sqcap, \sqcup), (\sqcup, \sqcap, \sqcap, \sqcup))$$
$$((\lceil \cdot \rceil, \rceil \cdot \rceil), (\lceil \cdot \rceil, \rceil \cdot \rceil))$$
$$((\perp, \top, \top, \top), (\perp, \top, \top, \top])$$
$$((\sqcup, \sqcap, \sqcup, \sqcap), [\sqcup, \sqcap, \sqcup, \sqcap])$$
$$((\sqcup, \sqcap, \sqcap.\sqcup), [\sqcup, \sqcup, \sqcap.\sqcap])$$
$$((\sqcup, \sqcap, \sqcap.\sqcap), [\sqcup, \sqcup, \sqcap.\sqcap))$$
$$((\sqcup \cdot \sqcap, \sqcap \cdot \sqcup), [\sqcup \cdot \sqcap, \sqcap \cdot \sqcup])$$
$$((\sqcup \cdot \sqcap, \sqcap \cdot \sqcup), [\sqcup \cdot \sqcap, \sqcap \cdot \sqcup))$$
$$((\sqcup \cdot \sqcap, \sqcap \cdot \sqcup), [\sqcup \cdot \sqcap, \sqcap \cdot \sqcup])$$
$$((\sqcup, \sqcap, \sqcap.\sqcup), [\sqcup.\sqcap, \sqcap.\sqcup])$$
$$((\sqcup, \sqcap, \sqcap, \sqcup), [\sqcup, \sqcap, \sqcap, \sqcup])$$
$$((\sqcup, \sqcap, \sqcap.\sqcup), [\sqcup.\sqcap, \sqcap.\sqcup])$$

$$((\sqcup.\top, \top.\sqcup), (\sqcup.\sqcup, \top.\top))$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top))$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$((\sqcup.\top, \top.\sqcap), (\sqcup.\sqcup, \top.\sqcup])$$
$$((\perp, \top, \perp, \top), (\perp, \top, \perp, \top))$$
$$((\perp.\top, \top.\top), (\perp.\perp, \top.\top])$$
$$((\sqcup.\top, \top.\sqcap), (\sqcup.\sqcap, \top.\sqcup])$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil])$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil])$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\perp])$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top])$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top])$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), [\lceil \cdot \rceil, \lceil \cdot \rceil])$$
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$$((\sqcup, \sqcap, \sqcup, \sqcap), [\sqcup, \sqcap, \sqcup, \sqcap])$$
$$((\sqcup, \sqcap, \sqcup, \sqcap), [\sqcup, \sqcap, \sqcup, \sqcap])$$

$((\perp.\top, \top.\top), [\perp.\top, \top.\perp])$
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$((\perp.\top, \top.\top), (\perp.\perp, \top.\perp))$
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$((\perp.\top, \top.\top), [\perp.\perp, \top.\perp])$
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$((\perp.\perp, \top.\perp], (\perp.\top, \top.\top))$
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 $((\perp.\perp, \top.\perp], [\perp.\perp, \top.\perp])$
 $((\perp.\perp, \top.\perp], [\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])$
 $((\perp.\perp, \top.\perp], [\perp.\top, \top.\perp])$
 $((\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$

$((\perp.\perp, \top.\top], [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\perp], (\perp.\perp, \top.\perp))$
 $((\perp.\top, \top.\perp], (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\perp], (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\perp], (\perp.\top, \top.\perp))$
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 $((\perp.\top, \top.\perp], (\perp.\top, \top.\top))$
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 $((\perp.\top, \top.\perp], (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp], (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp], (\perp.\perp, \top.\perp])$
 $((\perp.\top, \top.\perp], (\perp.\perp, \top.\top])$
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 $((\perp.\top, \top.\perp], (\perp.\top, \top.\top])$
 $((\perp.\top, \top.\perp], (\perp.\top, \top.\perp])$
 $((\perp.\top, \top.\perp], (\perp.\top, \top.\top])$
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 $((\perp.\top, \top.\perp], [\perp.\perp, \top.\top])$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top])$

$((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \neg))$
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 $((\perp . \Gamma, \Gamma . \Pi, [\neg . \neg, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \Pi, [\neg . \neg, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \neg, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \neg, \Gamma . \Gamma))$

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((⌊.Γ, Γ.⌊], (⌊.Γ, Γ.Γ))
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((⌊.Γ, Γ.⌊], (⌊.Γ, Γ.⌊])

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 ((א.ה, ב.ה], [א.ה, ב.ב])
 ((א.ה, ב.ה], [א.ה, ב.ה])

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_+)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_+)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_+)$

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$([1]_-, [1]_+, [1]_+)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_+)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_+)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_+)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_+)$

$([1]_-, [1]_+, [1]_-)$

$([1]_-, [1]_+, [1]_+)$

([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\perp$, Γ . $\perp$])
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([$\perp$. Γ , Γ . Γ) , ($\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\neg$, Γ . $\perp$])

$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\llbracket \cdot \rrbracket, \vdash, \vdash), (\llbracket \cdot \rrbracket, \vdash, \vdash))$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \perp, \top \cdot \top])$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$([\perp \cdot \top, \top \cdot \top), [\perp \cdot \top, \top \cdot \perp])$$
$$([\perp \cdot \Gamma, \Gamma \cdot \Gamma), [\perp \cdot \Gamma, \Gamma \cdot \Gamma))$$
$$([\perp \cdot \top, \top \cdot \top), [\perp \cdot \top, \top \cdot \top))$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \bot, \top \cdot \perp])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \bot, \top \cdot \top])$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \perp, \top \cdot \perp])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \perp, \top \cdot \top])$$
$$([\sqcup, \sqcap, \sqcup, \sqcap], [\sqcup, \sqcap, \sqcup, \sqcap])$$
$$(\llbracket \cdot \rrbracket, \vdash, \vdash), (\llbracket \cdot \rrbracket, \vdash, \vdash)$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$$
 $([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \bot, \top \cdot \perp])$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$

([$\perp$. Γ , Γ . $\neg$) , [$\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$) , [$\perp$. Γ , Γ . Γ])
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([$\perp$. Γ , Γ . $\neg$) , [$\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$) , [$\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . $\neg$) , [$\perp$. $\neg$, Γ . $\neg$])
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([$\perp$. $\neg$, Γ . $\neg$) , ($\perp$. Γ , Γ . $\neg$])
([$\perp$. $\neg$, Γ . $\neg$) , ($\perp$. Γ , Γ . Γ])
([$\perp$. $\neg$, Γ . $\neg$) , ($\perp$. Γ , Γ . $\neg$])
([$\perp$. $\neg$, Γ . $\neg$) , ($\perp$. $\neg$, Γ . $\neg$])
([$\perp$. $\neg$, Γ . $\neg$) , ($\perp$. $\neg$, Γ . Γ])
([$\perp$. $\neg$, Γ . $\neg$) , ($\perp$. $\neg$, Γ . $\neg$])
([$\perp$. $\neg$, Γ . $\neg$) , [$\perp$. $\neg$, Γ . $\neg$])

$([1.7, 1.1], [1.1, 1.7])$
 $([1.7, 1.1], [1.1, 1.7])$
 $([1.7, 1.1], [1.7, 1.1])$
 $([1.7, 1.1], [1.7, 1.7])$
 $([1.7, 1.1], [1.7, 1.7])$
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 $([1.7, 1.1], [1.7, 1.7])$
 $([1.7, 1.1], [1.7, 1.7])$
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 $([1.7, 1.1], [1.1, 1.7])$
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 $([1.7, 1.1], [1.7, 1.7])$
 $([1.7, 1.1], [1.7, 1.7])$
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 $([1.7, 1.7], [1.7, 1.7])$

$([\perp]_{\perp}, \Gamma_{\perp}), ([\perp]_{\perp}, \Gamma_{\neg})$
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 $([\perp]_{\perp}, \Gamma_{\perp}), ([\perp]_{\neg}, \Gamma_{\neg})$
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 $([\perp]_{\perp}, \Gamma_{\perp}), ([\perp]_{\neg}, \Gamma_{\neg}))$

$([\perp, \Gamma, \Gamma.\perp], [\perp, \Gamma, \Gamma.\perp])$
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([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\perp$, Γ . Γ])
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([$\perp$. Γ , Γ . $\neg$], [$\neg$. Γ , Γ . $\neg$]))
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 $([\perp] . \bot , \top . \bot) , ([\perp] . \top , \top . \neg)$
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 $([\perp] . \bot , \top . \bot) , ([\perp] . \neg , \top . \top)$
 $([\perp] . \bot , \top . \bot) , ([\perp] . \neg , \top . \neg)$
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 $([\perp] . \bot , \top . \bot) , [\perp] . \neg , \top . \bot]$
 $([\perp] . \bot , \top . \bot) , [\perp] . \neg , \top . \top]$
 $([\perp] . \bot , \top . \top) , ([\perp] . \bot , \top . \top)$

([⊥ . Γ , Γ.⊥] , ([⊥.Γ , Γ.⊥]))
([⊥ . Γ , Γ.⊥] , ([⊥.Γ , Γ.Γ]))
([⊥ . Γ , Γ.⊥] , ([⊥.Γ , Γ.Γ]))
([⊥ . Γ , Γ.⊥] , ([⊥.⊥ , Γ.⊥]))
([⊥ . Γ , Γ.⊥] , ([⊥.⊥ , Γ.Γ]))
([⊥ . Γ , Γ.⊥] , ([⊥.⊥ , Γ.Γ]))
([⊥ . Γ , Γ.⊥] , ([⊥.Γ , Γ.⊥]))
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([⊥ . Γ , Γ.⊥] , ([⊥.⊥ , Γ.Γ]))
([⊥ . Γ , Γ.⊥] , ([⊥.⊥ , Γ.Γ]))
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([⊥ . Γ , Γ.⊥] , ([⊥.Γ , Γ.Γ]))
([⊥ . Γ , Γ.⊥] , ([⊥.Γ , Γ.Γ]))
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([⊥ . Γ , Γ.⊥] , ([⊥.Γ , Γ.Γ]))
([⊥ . Γ , Γ.⊥] , ([⊥.Γ , Γ.Γ]))
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([⊥ . Γ , Γ.⊥] , ([⊥.⊥ , Γ.Γ]))
([⊥ . Γ , Γ.⊥] , ([⊥.⊥ , Γ.Γ]))
([⊥ . Γ , Γ.⊥] , ([⊥.Γ , Γ.⊥]))

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([$\perp$. Γ , Γ . Γ) , ($\perp$. $\perp$, Γ . Γ))
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([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . $\neg$])
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[illegible]

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([⊥ . Γ , Γ . ⊥] , (⊥ . γ , Γ . γ))
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[illegible]

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$([\perp, \top], [\perp, \top], [\perp, \top])$

$\top$. Halboffene (linksoffene) Zeichenkonnexe

$\top . ([\perp, \top], [\perp, \top])$

$([\perp, \top], [\perp, \top])$

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 $((\perp . \top , \top . \perp), (\perp . \top , \top . \top))$

$$((\perp, \top, \top, \perp), (\perp, \top, \top, \perp))$$
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$$((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil])$$
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$$((\perp, \top, \top, \perp), (\perp, \top, \top, \perp])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\sqcup, \sqcap, \sqcap, \sqcup), [\sqcup, \sqcup, \sqcap, \sqcap])$$
$$((\lceil \cdot \rceil, \rceil \cdot \rfloor), [\lceil \cdot \rfloor, \rceil \cdot \lceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
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$$((\sqcup, \sqcap, \sqcap.\sqcup), [\sqcup, \sqcap, \sqcap.\sqcup])$$
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$$((\sqcup \cdot \sqcap, \sqcap \cdot \sqcup), [\sqcup \cdot \sqcap, \sqcap \cdot \sqcup])$$

$((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\Gamma])$
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 $((\perp . \Gamma, \Gamma.\Gamma), [\perp.\perp, \Gamma.\Gamma])$

((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌈))
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((⌊.⌈, ⌈.⌈), ⌊.⌊, ⌈.⌊))
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((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌊))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌊))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌊, ⌈.⌊))
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 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\perp])$
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((א.ה, א.ה], [א.א, א.א))
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([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\neg$, Γ . Γ]
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([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\perp$, Γ . $\neg$))
([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. Γ , Γ . Γ])

[illegible]

([$\perp$]. $\top$, $\top$. $\perp$), [$\perp$. $\top$, $\top$. $\top$])
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 $([1, 7], [7, 7]), [1, 7], [7, 7])$
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$([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\perp}, \Gamma_{\perp}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\perp}, \Gamma_{\top}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\perp}, \Gamma_{\neg}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\top}, \Gamma_{\perp}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\top}, \Gamma_{\top}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\top}, \Gamma_{\neg}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\neg}, \Gamma_{\perp}))$
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[illegible]

([⊥ . Γ , Γ . ⊥] , [⊥ . γ , Γ . γ])
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([⊥ . Γ , Γ . Γ] , (⊥ . Γ , Γ . Γ))
([⊥ . Γ , Γ . Γ] , (⊥ . Γ , Γ . γ))
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([⊥ . Γ , Γ . Γ] , (⊥ . γ , Γ . γ])
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([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . γ))
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([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ))
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . γ))

[illegible]

$([1, 7], [7, 7], [1, 7], [7, 1])$
 $([1, 7], [7, 7], [1, 7], [7, 7])$
 $([1, 7], [7, 7], [1, 7], [7, 7])$
 $([1, 7], [7, 7], [1, 7], [7, 1])$
 $([1, 7], [7, 7], [1, 7], [7, 7])$
 $([1, 7], [7, 7], [1, 7], [7, 7])$
 $7, 7. ([1, 1], [7, 1], [1, 1], [7, 7])$
 $(([1, 1], [7, 1]), ([1, 1], [7, 1]))$
 $(([1, 1], [7, 1]), ([1, 1], [7, 7]))$
 $(([1, 1], [7, 1]), ([1, 1], [7, 7]))$
 $(([1, 1], [7, 1]), ([1, 7], [7, 1]))$
 $(([1, 1], [7, 1]), ([1, 7], [7, 7]))$
 $(([1, 1], [7, 1]), ([1, 7], [7, 7]))$
 $(([1, 1], [7, 1]), ([1, 7], [7, 1]))$
 $(([1, 1], [7, 1]), ([1, 7], [7, 7]))$
 $(([1, 1], [7, 1]), ([1, 7], [7, 7]))$
 $(([1, 1], [7, 1]), ([1, 1], [7, 1]))$
 $(([1, 1], [7, 1]), ([1, 1], [7, 7]))$
 $(([1, 1], [7, 1]), ([1, 1], [7, 7]))$
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 $(([1, 1], [7, 1]), ([1, 7], [7, 7]))$
 $(([1, 1], [7, 1]), ([1, 7], [7, 7]))$

$$((\perp, \perp), (\perp, \top))$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
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$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
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$$((\sqcup \cdot \sqcup, \sqcap \cdot \sqcap), [\sqcup \cdot \sqcap, \sqcap \cdot \sqcup])$$
$$((\perp.\perp, \top.\top), [\perp.\top, \top.\perp])$$
$$((\sqcup, \sqcup, \sqcup, \sqcup), [\sqcup, \sqcup, \sqcup, \sqcup])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\sqcup \cdot \sqcup, \sqcap \cdot \sqcap), [\sqcup \cdot \sqcup, \sqcap \cdot \sqcap])$$
$$((\sqcup, \sqcap, \sqcup, \sqcap), [\sqcup, \sqcap, \sqcup, \sqcap])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\perp \cdot \perp, \top \cdot \top), [\perp \cdot \top, \top \cdot \top])$$

$((\perp . \perp , \top . \top), [\perp . \top, \top . \perp])$
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 $((\perp . \perp , \top . \top), [\perp . \top, \top . \top])$
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 $((\perp, \top, \top, \perp], [\perp, \perp, \top, \top])$

$((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \neg.\neg])$
 $((\perp . \Gamma, \neg.\neg], (\perp . \perp, \neg.\perp))$
 $((\perp . \Gamma, \neg.\neg], (\perp . \perp, \neg.\neg))$
 $((\perp . \Gamma, \neg.\neg], (\perp . \perp, \neg.\neg))$
 $((\perp . \Gamma, \neg.\neg], (\perp . \neg, \neg.\perp))$
 $((\perp . \Gamma, \neg.\neg], (\perp . \neg, \neg.\neg))$
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((⌊.Γ,Γ.Π,⌊.Γ,Γ.⌋))
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$$((\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \top])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
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$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
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$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
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[illegible]

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((א.ה, פ.פ], (א.ה, פ.פ])
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 ((א.ה, פ.ה], (א.פ, פ.א))
 ((א.ה, פ.ה], (א.פ, פ.פ))

$([\perp . \bot , \top . \bot], [\perp . \bot , \top . \top])$
 $([\perp . \bot , \top . \bot], [\perp . \bot , \top . \neg])$
 $([\perp . \bot , \top . \bot], [\perp . \top , \top . \bot])$
 $([\perp . \bot , \top . \bot], [\perp . \top , \top . \top])$
 $([\perp . \bot , \top . \bot], [\perp . \top , \top . \neg])$
 $([\perp . \bot , \top . \bot], [\perp . \neg , \top . \bot])$
 $([\perp . \bot , \top . \bot], [\perp . \neg , \top . \top])$
 $([\perp . \bot , \top . \bot], [\perp . \neg , \top . \neg])$
 $([\perp . \bot , \top . \bot], [\perp . \bot , \top . \bot])$
 $([\perp . \bot , \top . \bot], [\perp . \bot , \top . \top])$
 $([\perp . \bot , \top . \bot], [\perp . \bot , \top . \neg])$
 $([\perp . \bot , \top . \bot], [\perp . \top , \top . \bot])$
 $([\perp . \bot , \top . \bot], [\perp . \top , \top . \top])$
 $([\perp . \bot , \top . \bot], [\perp . \top , \top . \neg])$
 $([\perp . \bot , \top . \bot], [\perp . \neg , \top . \bot])$
 $([\perp . \bot , \top . \bot], [\perp . \neg , \top . \top])$
 $([\perp . \bot , \top . \bot], [\perp . \neg , \top . \neg])$
 $([\perp . \bot , \top . \top], (\perp . \bot , \top . \top))$
 $([\perp . \bot , \top . \top], (\perp . \bot , \top . \neg))$
 $([\perp . \bot , \top . \top], (\perp . \top , \top . \bot))$
 $([\perp . \bot , \top . \top], (\perp . \top , \top . \top))$
 $([\perp . \bot , \top . \top], (\perp . \top , \top . \neg))$
 $([\perp . \bot , \top . \top], (\perp . \neg , \top . \bot))$
 $([\perp . \bot , \top . \top], (\perp . \neg , \top . \top))$
 $([\perp . \bot , \top . \top], (\perp . \neg , \top . \neg))$

([$\perp$. Γ , Γ . Γ), [$\perp$. $\perp$, Γ . $\perp$])
([$\perp$. Γ , Γ . Γ), [$\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . Γ), [$\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ), [$\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . Γ), [$\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . Γ), [$\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . Γ), [$\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . Γ), [$\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . Γ), [$\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\perp$, Γ . $\perp$))
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\perp$, Γ . Γ))
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\perp$, Γ . $\neg$))
([$\perp$. Γ , Γ . $\neg$), ($\perp$. Γ , Γ . $\perp$))
([$\perp$. Γ , Γ . $\neg$), ($\perp$. Γ , Γ . Γ))
([$\perp$. Γ , Γ . $\neg$), ($\perp$. Γ , Γ . $\neg$))
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\neg$, Γ . $\perp$))
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\neg$, Γ . $\neg$))
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\perp$, Γ . $\perp$])
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$), ($\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . $\neg$), ($\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . $\neg$), ($\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\neg$, Γ . $\perp$])

$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$
 $([\perp.\top, \top.\top], [\perp.\top, \top.\top])$
 $([\perp.\top, \top.\top], [\perp.\top, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\perp])$
 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\perp])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\perp])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\perp])$
 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\perp])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\perp])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\perp])$
 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\perp])$

$([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \perp))$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \perp , \top . \perp])$
 $([\perp] . \perp , \top . \perp], [\perp . \perp , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \perp , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \perp])$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \perp))$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \top))$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \top))$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \perp))$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \perp])$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \top))$

$([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \Gamma, \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \Gamma, \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \Gamma, \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \Gamma, \neg \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\neg \Gamma}, \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\neg \Gamma}, \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\neg \Gamma}, \neg \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\neg \Gamma}, \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\neg \Gamma}, \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\neg \Gamma}, \neg \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\neg \Gamma}, \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\neg \Gamma}, \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\neg \Gamma}, \neg \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \Gamma)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \neg \neg \neg \Gamma)$

[illegible]

$$(\lceil \cdot \rceil, \lceil \cdot \rceil, (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$([\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \top))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil, (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$([\perp, \top, \top, \top], (\perp, \top, \top, \perp))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$(\lceil \cdot \rceil, \rceil \cdot \rceil, (\lceil \cdot \rfloor, \rceil \cdot \rfloor))$$
$$([\perp.\top, \top.\top], ([\perp.\perp, \top.\perp]))$$
$$([\perp \cdot \top, \top \cdot \top], (\perp \cdot \perp, \top \cdot \top))$$
$$([\perp, \top, \top, \top], ([\perp, \perp], [\top, \top]))$$
$$([\perp \cdot \top, \top \cdot \top], ([\perp \cdot \top, \top \cdot \perp]))$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$$
$$([\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \top])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\perp.\top, \top.\top], [\perp.\bot, \top.\bot])$$
$$([\perp.\top, \top.\top], [\perp.\bot, \top.\bot])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \perp, \top \cdot \top))$$
$$([\perp.\top, \top.\top], [\perp.\bot, \top.\top])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \perp])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$$
$$([\perp.\top, \top.\top], [\perp.\bot, \top.\perp])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\perp.\top, \top.\top], [\perp.\perp, \top.\perp])$$

([$\perp$. Γ , Γ . Γ], [$\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . Γ], [$\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ], [$\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . Γ], [$\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . Γ], [$\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . Γ], [$\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . Γ], [$\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . Γ], [$\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], ($\perp$. $\perp$, Γ . $\perp$))
([$\perp$. Γ , Γ . $\neg$], ($\perp$. $\perp$, Γ . Γ))
([$\perp$. Γ , Γ . $\neg$], ($\perp$. $\perp$, Γ . $\neg$))
([$\perp$. Γ , Γ . $\neg$], ($\perp$. Γ , Γ . $\perp$))
([$\perp$. Γ , Γ . $\neg$], ($\perp$. Γ , Γ . Γ))
([$\perp$. Γ , Γ . $\neg$], ($\perp$. Γ , Γ . $\neg$))
([$\perp$. Γ , Γ . $\neg$], ($\perp$. $\neg$, Γ . $\perp$))
([$\perp$. Γ , Γ . $\neg$], ($\perp$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . $\neg$], ($\perp$. $\neg$, Γ . $\neg$))
([$\perp$. Γ , Γ . $\neg$], ($\perp$. $\perp$, Γ . $\perp$])
([$\perp$. Γ , Γ . $\neg$], ($\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . $\neg$], ($\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . $\neg$], ($\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . $\neg$], ($\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], ($\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . $\neg$], ($\perp$. $\neg$, Γ . Γ])

$([1, 7], [1, 1], [1, 7], [1, 1])$
 $([1, 7], [1, 1], [1, 7], [1, 7])$
 $([1, 7], [1, 1], [1, 7], [1, 7])$
 $([1, 7], [1, 1], [1, 1], [1, 1])$
 $([1, 7], [1, 1], [1, 1], [1, 7])$
 $([1, 7], [1, 1], [1, 1], [1, 7])$
 $([1, 7], [1, 1], [1, 7], [1, 1])$
 $([1, 7], [1, 1], [1, 7], [1, 7])$
 $([1, 7], [1, 1], [1, 7], [1, 1])$
 $([1, 7], [1, 1], [1, 7], [1, 7])$
 $([1, 7], [1, 1], [1, 7], [1, 7])$
 $([1, 7], [1, 1], [1, 1], [1, 1])$
 $([1, 7], [1, 1], [1, 1], [1, 7])$
 $([1, 7], [1, 1], [1, 1], [1, 7])$
 $([1, 7], [1, 1], [1, 7], [1, 1])$
 $([1, 7], [1, 1], [1, 7], [1, 7])$
 $([1, 7], [1, 1], [1, 7], [1, 7])$
 $([1, 7], [1, 1], [1, 1], [1, 1])$
 $([1, 7], [1, 1], [1, 1], [1, 7])$
 $([1, 7], [1, 1], [1, 1], [1, 7])$
 $([1, 7], [1, 1], [1, 7], [1, 1])$
 $([1, 7], [1, 1], [1, 7], [1, 7])$
 $([1, 7], [1, 1], [1, 1], [1, 1])$
 $([1, 7], [1, 1], [1, 1], [1, 7])$
 $([1, 7], [1, 1], [1, 1], [1, 7])$
 $([1, 7], [1, 1], [1, 7], [1, 1])$

$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$\neg . \neg . ((\neg . \neg , \neg . \neg], (\neg . \neg , \neg . \neg))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\perp.\perp, \top.\perp), (\perp.\perp, \top.\top))$$
$$((\perp.\perp, \top.\perp), (\perp.\perp, \top.\top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp))$$
$$((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$$
$$((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp, \cdot], [\cdot, \top)), (\perp, \cdot], [\cdot, \top])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\perp.\downarrow, \uparrow.\downarrow), (\perp.\uparrow, \uparrow.\downarrow])$$
$$((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$$
$$((\perp.\perp, \top.\perp), (\perp.\top, \top.\top])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$

$((\perp . \perp , \top . \perp), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \perp), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \perp), [\perp . \top , \top . \perp])$
 $((\perp . \perp , \top . \perp), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \perp), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \perp), [\perp . \perp , \top . \perp])$
 $((\perp . \perp , \top . \perp), [\perp . \perp , \top . \top])$
 $((\perp . \perp , \top . \perp), [\perp . \perp , \top . \top])$
 $((\perp . \perp , \top . \perp), [\perp . \top , \top . \perp])$
 $((\perp . \perp , \top . \perp), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \perp), [\perp . \top , \top . \perp])$
 $((\perp . \perp , \top . \perp), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \top), (\perp . \perp , \top . \perp))$
 $((\perp . \perp , \top . \top), (\perp . \perp , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \perp , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \perp))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \perp))$
 $((\perp . \perp , \top . \top), (\perp . \top , \top . \top))$
 $((\perp . \perp , \top . \top), (\perp . \perp , \top . \perp))$
 $((\perp . \perp , \top . \top), (\perp . \perp , \top . \top))$

$((\perp.\perp, \top.\top), [\perp.\top, \top.\top])$

$((\perp.\perp, \top.\top), [\perp.\top, \top.\top])$

$((\perp.\perp, \top.\top), [\perp.\perp, \top.\perp])$

$((\perp.\perp, \top.\top), [\perp.\perp, \top.\top])$

$((\perp.\perp, \top.\top), [\perp.\perp, \top.\top])$

$((\perp.\perp, \top.\top), [\perp.\top, \top.\perp])$

$((\perp.\perp, \top.\top), [\perp.\top, \top.\top])$

$((\perp.\perp, \top.\top), [\perp.\top, \top.\top])$

$((\perp.\perp, \top.\top), [\perp.\top, \top.\perp])$

$((\perp.\perp, \top.\top), [\perp.\top, \top.\top])$

$((\perp.\perp, \top.\top), [\perp.\top, \top.\top])$

$((\perp.\top, \top.\perp), (\perp.\perp, \top.\perp))$

$((\perp.\top, \top.\perp), (\perp.\perp, \top.\top))$

$((\perp.\top, \top.\perp), (\perp.\perp, \top.\top))$

$((\perp.\top, \top.\perp), (\perp.\top, \top.\perp))$

$((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$

$((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$

$((\perp.\top, \top.\perp), (\perp.\top, \top.\perp))$

$((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$

$((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$

$((\perp.\top, \top.\perp), (\perp.\perp, \top.\perp])$

$((\perp.\top, \top.\perp), (\perp.\perp, \top.\top])$

$((\perp.\top, \top.\perp), (\perp.\perp, \top.\top])$

$((\perp.\top, \top.\perp), (\perp.\top, \top.\perp])$

$((\perp.\top, \top.\perp), (\perp.\top, \top.\top])$

$((\perp . \Gamma, \Gamma.\perp), (\perp . \Gamma, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp . \neg, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp . \neg, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp . \neg, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\Gamma), (\perp . \perp, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\Gamma), (\perp . \perp, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\Gamma), (\perp . \perp, \Gamma.\neg))$

$$((\perp \cdot \top, \top \cdot \top), (\perp \cdot \top, \top \cdot \perp))$$
$$((\perp \cdot \top, \top \cdot \top), (\perp \cdot \top, \top \cdot \top))$$
$$((\perp \cdot \top, \top \cdot \top), (\perp \cdot \top, \top \cdot \top))$$
$$((\sqcup, \sqcap, \sqcap, \sqcap), (\sqcup, \sqcap, \sqcap, \sqcap))$$
$$((\perp, \top, \top, \top), (\perp, \top, \top, \top))$$
$$((\sqcup, \sqcap, \sqcap, \sqcap), (\sqcup, \sqcap, \sqcap, \sqcap))$$
$$((\sqcup, \sqcap, \sqcup, \sqcap), (\sqcup, \sqcap, \sqcup, \sqcap))$$
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$$((\perp \cdot \top, \top \cdot \top), (\perp \cdot \bot, \top \cdot \perp])$$
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$$((\perp, \top, \top, \top), (\perp, \top, \top, \top))$$
$$((\sqcup, \sqcap, \sqcup, \sqcap), [\sqcup, \sqcap, \sqcup, \sqcap])$$
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$$((\sqcup \cdot \sqsupset, \sqsupset \cdot \sqsupset), [\sqcup \cdot \sqsupset, \sqsupset \cdot \sqsupset))$$
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$$((\sqcup, \sqcap, \sqcap, \sqcap), [\sqcup, \sqcap, \sqcap, \sqcap])$$
$$((\sqcup, \sqcap, \sqcap, \sqcap), [\sqcup, \sqcap, \sqcap, \sqcap])$$
$$((\sqcup, \sqcap, \sqcup, \sqcap), [\sqcup, \sqcap, \sqcup, \sqcap])$$
$$((\sqcup, \sqcap, \sqcap, \sqcap), [\sqcup, \sqcup, \sqcap, \sqcup])$$

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$((\perp . \perp , \top . \perp], [\perp . \top , \top . \top))$
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$((\perp, \Gamma, \Gamma.\perp], (\perp, \Gamma, \Gamma.\top))$
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 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \bot, \Gamma . \bot)))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \bot, \Gamma . \Gamma)))$
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 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \bot)))$
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 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \bot]))$
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[illegible]

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((א.ה, א.ה], [א.ה, א.א])

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 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_+)$
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_+, [1]_-)$
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_+, [1]_-)$
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_+, [1]_+)$
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_-)$
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_+)$
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_+, [1]_-)$
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 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_-)$
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([$\perp$], $\top$), ([$\top$], [$\perp$])
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 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 1])$

$([\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\Gamma])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\Gamma])$
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 $([\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\Gamma])$
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$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
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$$((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$$
$$((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp))$$
$$((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$$
$$((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$$
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$$((\perp.\top, \top.\top], [\perp.\perp, \top.\top])$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$((\sqcup.\top, \top.\top], [\sqcup.\top, \top.\top])$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil)$$

[illegible]

$([\perp . \perp , \top . \perp], [\perp . \perp , \top . \perp])$
 $([\perp . \perp , \top . \perp], [\perp . \perp , \top . \top])$
 $([\perp . \perp , \top . \perp], [\perp . \perp , \top . \top])$
 $([\perp . \perp , \top . \perp], [\perp . \top , \top . \perp])$
 $([\perp . \perp , \top . \perp], [\perp . \top , \top . \top])$
 $([\perp . \perp , \top . \perp], [\perp . \top , \top . \top])$
 $([\perp . \perp , \top . \perp], [\perp . \top , \top . \perp])$
 $([\perp . \perp , \top . \perp], [\perp . \top , \top . \top])$
 $([\perp . \perp , \top . \top], (\perp . \perp , \top . \top))$
 $([\perp . \perp , \top . \top], (\perp . \perp , \top . \top))$
 $([\perp . \perp , \top . \top], (\perp . \top , \top . \perp))$
 $([\perp . \perp , \top . \top], (\perp . \top , \top . \top))$
 $([\perp . \perp , \top . \top], (\perp . \top , \top . \top))$
 $([\perp . \perp , \top . \top], (\perp . \top , \top . \perp))$
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 $([\perp . \perp , \top . \top], (\perp . \perp , \top . \top))$
 $([\perp . \perp , \top . \top], (\perp . \perp , \top . \top))$
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 $([\perp . \perp , \top . \top], (\perp . \top , \top . \top))$

$([\perp . \Gamma, \Gamma.\perp], [\perp . \Gamma, \Gamma.\perp])$
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 $([\perp . \Gamma, \Gamma.\perp], [\perp . \Gamma, \Gamma.\neg])$
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 $([\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\Gamma])$
 $([\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\neg])$
 $([\perp . \Gamma, \Gamma.\Gamma], [\perp . \perp, \Gamma.\perp])$
 $([\perp . \Gamma, \Gamma.\Gamma], [\perp . \perp, \Gamma.\Gamma])$
 $([\perp . \Gamma, \Gamma.\Gamma], [\perp . \perp, \Gamma.\neg])$
 $([\perp . \Gamma, \Gamma.\Gamma], [\perp . \Gamma, \Gamma.\perp])$
 $([\perp . \Gamma, \Gamma.\Gamma], [\perp . \Gamma, \Gamma.\Gamma])$
 $([\perp . \Gamma, \Gamma.\Gamma], [\perp . \Gamma, \Gamma.\neg])$
 $([\perp . \Gamma, \Gamma.\Gamma], [\perp . \neg, \Gamma.\perp])$
 $([\perp . \Gamma, \Gamma.\Gamma], [\perp . \neg, \Gamma.\Gamma])$
 $([\perp . \Gamma, \Gamma.\Gamma], [\perp . \neg, \Gamma.\neg])$
 $([\perp . \Gamma, \Gamma.\Gamma], [\perp . \perp, \Gamma.\perp])$

([$\perp$], $\top$, $\top$), ($\perp$, $\perp$, $\top$))
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([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))

$([\perp] . \perp , \top . \perp], (\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], (\perp . \top , \top . \perp))$
 $([\perp] . \perp , \top . \perp], (\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], (\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], (\perp . \perp , \top . \perp])$
 $([\perp] . \perp , \top . \perp], (\perp . \perp , \top . \top))$
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 $([\perp] . \perp , \top . \perp], (\perp . \top , \top . \perp])$
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 $([\perp] . \perp , \top . \perp], (\perp . \top , \top . \top))$
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 $([\perp] . \perp , \top . \perp], [\perp . \perp , \top . \perp])$
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 $([\perp] . \perp , \top . \perp], [\perp . \perp , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \perp])$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top))$
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 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \perp , \top . \perp])$
 $([\perp] . \perp , \top . \perp], [\perp . \perp , \top . \top))$
 $([\perp] . \perp , \top . \perp], [\perp . \perp , \top . \top))$

$([\perp] . \perp , \top . \perp], [\perp . \top , \top . \perp])$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top])$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top])$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \perp])$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top])$
 $([\perp] . \perp , \top . \perp], [\perp . \top , \top . \top])$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \perp))$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \top))$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \top))$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \perp))$
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 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \perp))$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \top))$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \perp])$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \top])$
 $([\perp] . \perp , \top . \top], (\perp . \perp , \top . \top])$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \perp])$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \top])$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \top])$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \perp])$
 $([\perp] . \perp , \top . \top], (\perp . \top , \top . \top])$
 $([\perp] . \perp , \top . \top], [\perp . \perp , \top . \perp])$

([⊥ . Γ , Γ . ⊥] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . ⊥] , [⊥ . Γ , Γ . ⊔])
([⊥ . Γ , Γ . ⊥] , [⊥ . ⊔ , Γ . ⊥])
([⊥ . Γ , Γ . ⊥] , [⊥ . ⊔ , Γ . Γ])
([⊥ . Γ , Γ . ⊥] , [⊥ . ⊔ , Γ . ⊔])
([⊥ . Γ , Γ . ⊥] , [⊥ . ⊥ , Γ . ⊥])
([⊥ . Γ , Γ . ⊥] , [⊥ . ⊥ , Γ . Γ])
([⊥ . Γ , Γ . ⊥] , [⊥ . ⊥ , Γ . ⊔])
([⊥ . Γ , Γ . ⊥] , [⊥ . Γ , Γ . ⊥])
([⊥ . Γ , Γ . ⊥] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . ⊥] , [⊥ . Γ , Γ . ⊔])
([⊥ . Γ , Γ . ⊥] , [⊥ . ⊔ , Γ . ⊥])
([⊥ . Γ , Γ . ⊥] , [⊥ . ⊔ , Γ . Γ])
([⊥ . Γ , Γ . ⊥] , [⊥ . ⊔ , Γ . ⊔])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . ⊥])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . ⊔])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . ⊥])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . ⊔])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊔ , Γ . ⊥])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊔ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊔ , Γ . ⊔])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . ⊥])
([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . Γ])

([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$))
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$])
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([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. Γ , Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. Γ , Γ . Γ))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. Γ , Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . Γ))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . Γ])
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$])
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. Γ , Γ . $\neg$])
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. Γ , Γ . Γ])

([1.7, 1.1], [1.7, 1.7])
([1.7, 1.1], [1.7, 1.1])
([1.7, 1.1], [1.7, 1.7])
([1.7, 1.1], [1.7, 1.7])
([1.7, 1.1], [1.1, 1.1])
([1.7, 1.1], [1.1, 1.7])
([1.7, 1.1], [1.1, 1.7])
([1.7, 1.1], [1.7, 1.1])
([1.7, 1.1], [1.7, 1.7])
([1.7, 1.1], [1.7, 1.7])
([1.7, 1.1], [1.7, 1.1])
([1.7, 1.1], [1.7, 1.7])
([1.7, 1.1], [1.1, 1.1])
([1.7, 1.1], [1.1, 1.7])
([1.7, 1.1], [1.1, 1.7])
([1.7, 1.1], [1.7, 1.1])
([1.7, 1.1], [1.7, 1.7])
([1.7, 1.1], [1.7, 1.7])
([1.7, 1.1], [1.7, 1.1])
([1.7, 1.1], [1.7, 1.7])
([1.7, 1.7], [1.1, 1.1])
([1.7, 1.7], [1.1, 1.7])
([1.7, 1.7], [1.1, 1.7])

$([a, b], [a, b])$

$([a, b], [a, c])$

$([a, b], [a, d])$

$([a, b], [a, e])$

$([a, b], [c, a])$

$([a, b], [c, d])$

$([a, b], [c, e])$

$([a, b], [b, a])$

$([a, b], [b, d])$

$([a, b], [b, e])$

$([a, b], [c, a])$

$([a, b], [c, d])$

$([a, b], [c, e])$

$([a, b], [d, a])$

$([a, b], [d, d])$

$([a, b], [d, e])$

$([a, b], [e, a])$

$([a, b], [e, d])$

$([a, b], [e, e])$

7.5. $([a, c], [c, d], [c, e])$

$([a, c], [c, d])$

$([a, c], [c, e])$

$([a, c], [d, c])$

$([a, c], [d, d])$

$([a, c], [d, e])$

$((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\perp])$
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 $((\perp . \Gamma, \Gamma.\Gamma), (\perp . \perp, \Gamma.\Gamma))$
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 $((\perp . \Gamma, \Gamma.\Gamma), (\perp . \neg, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\Gamma), (\perp . \neg, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\Gamma), (\perp . \perp, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\Gamma), (\perp . \perp, \Gamma.\Gamma))$

$((\perp, \top, \top), [\perp, \top, \top])$

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$((\perp.\top, \top.\top), [\perp.\perp, \top.\perp])$
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 $((\perp.\top, \top.\top), [\perp.\top, \top.\perp])$

$((\perp . \Gamma, \Gamma.\perp], [\perp . \Gamma, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \Gamma, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \perp, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \perp, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \perp, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \Gamma, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \Gamma, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \Gamma, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \Gamma, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \Gamma, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \Gamma, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \neg, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \neg, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \neg, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\Gamma])$

$((\perp . \Gamma, \Gamma . \Pi, (\perp . \Delta, \Gamma . \eta))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \Delta))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \Pi))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \eta))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \eta, \Gamma . \Delta))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \eta, \Gamma . \Pi))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \eta, \Gamma . \eta))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Pi]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \eta]))$
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 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Pi]))$
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 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \eta, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \eta, \Gamma . \Pi]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \eta, \Gamma . \eta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Pi]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \eta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Pi]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \eta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \eta, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \eta, \Gamma . \Pi]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \eta, \Gamma . \eta]))$

((א.ה, ב.ב), (א.א, ב.ב))
 ((א.ה, ב.ב), (א.א, ב.ה))
 ((א.ה, ב.ב), (א.ב, ב.א))
 ((א.ה, ב.ב), (א.ב, ב.ב))
 ((א.ה, ב.ב), (א.ב, ב.ה))
 ((א.ה, ב.ב), (א.ה, ב.א))
 ((א.ה, ב.ב), (א.ה, ב.ב))
 ((א.ה, ב.ה), (א.א, ב.א))
 ((א.ה, ב.ה), (א.א, ב.ב))
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 ((א.ה, ב.ה), (א.ב, ב.ב))
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 ((א.ה, ב.ה), (א.ב, ב.א))
 ((א.ה, ב.ה), (א.ב, ב.ב))
 ((א.ה, ב.ה), (א.ב, ב.ה))

$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], [\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], [\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\perp))$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], [\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp.\top, \top.\top], [\perp.\perp, \top.\top])$$
$$((\perp.\top, \top.\top], [\perp.\perp, \top.\top])$$
$$((\perp.\top, \top.\top), [\perp.\top, \top.\perp])$$
$$((\perp.\top, \top.\top], [\perp.\perp, \top.\perp])$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor)$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$

$$([\perp.\perp, \top.\top], [\perp.\top, \top.\top])$$
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$$(\lceil \cdot \rceil, \rceil \cdot \rfloor), (\lceil \cdot \rfloor, \rceil \cdot \lceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \rceil \cdot \rfloor), (\lceil \cdot \rfloor, \rceil \cdot \lceil)$$
$$(\lceil \cdot \rceil, \rceil \cdot \rfloor), (\lceil \cdot \rfloor, \rceil \cdot \lceil)$$
$$([\perp, \top, \top, \perp]), ([\perp, \perp, \top, \perp])$$
$$([\perp, \top, \top, \perp]), ([\perp, \perp, \top, \top])$$
 $([\perp, \top, \top, \perp], [\perp, \perp, \top, \top])$
$$([\perp \cdot \top, \top \cdot \perp]), ([\perp \cdot \top, \top \cdot \perp])$$
$$([\perp \cdot \top, \top \cdot \perp]), ([\perp \cdot \top, \top \cdot \top])$$
 $([\perp \cdot \top, \top \cdot \perp], [\perp \cdot \top, \top \cdot \top])$ $([\perp, \top, \top, \perp], [\perp, \top, \top, \perp])$ $([\perp, \top, \top, \perp], [\perp, \top, \top, \perp])$ $([\perp, \top, \top, \perp]), ([\perp, \top, \top, \top])$
$$([\perp \cdot \top, \top \cdot \perp], [\perp \cdot \perp, \top \cdot \top])$$
$$([\perp \cdot \top, \top \cdot \perp], [\perp \cdot \perp, \top \cdot \top])$$
$$(\lceil \cdot \rceil, \rceil \cdot \rfloor), (\lceil \cdot \rfloor, \rceil \cdot \lceil))$$
$$([\perp \cdot \top, \top \cdot \perp], [\perp \cdot \top, \top \cdot \perp])$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
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$$([\perp \cdot \top, \top \cdot \perp], [\perp \cdot \top, \top \cdot \perp]))$$

([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\neg$, Γ . $\neg$))
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\perp$, Γ . $\perp$])
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\perp$, Γ . Γ])
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([$\perp$], $\top$), ($\perp$, [$\top$])

$([1.7, 7.7], [1.1, 7.7])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.1, 7.1])$
 $([1.7, 7.7], [1.1, 7.7])$
 $([1.7, 7.7], [1.1, 7.7])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.7])$
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 $([1.1, 7.1], [1.1, 7.1])$
 $([1.1, 7.1], [1.1, 7.7])$
 $([1.1, 7.1], [1.1, 7.7])$
 $([1.1, 7.1], [1.7, 7.1])$
 $([1.1, 7.1], [1.7, 7.7])$
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 $([1.1, 7.1], [1.7, 7.1])$
 $([1.1, 7.1], [1.7, 7.7])$
 $([1.1, 7.1], [1.7, 7.7])$

[illegible]

$([\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\Gamma))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\neg))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\perp))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\Gamma))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\neg))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\perp))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\Gamma))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\neg))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\Gamma])$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\Gamma])$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\Gamma])$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\Gamma])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\Gamma])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\Gamma])$

([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . $\neg$]))
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([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\perp$, Γ . Γ])
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([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . $\neg$])
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([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . Γ])
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([$\perp$. Γ , Γ . Γ], [$\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . Γ], [$\perp$. $\neg$, Γ . Γ])
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([$\perp$. Γ , Γ . Γ], [$\perp$. $\perp$, Γ . $\neg$]))
([$\perp$. Γ , Γ . Γ], [$\perp$. Γ , Γ . $\perp$]))
([$\perp$. Γ , Γ . Γ], [$\perp$. Γ , Γ . Γ]))
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([$\perp$. Γ , Γ . Γ], [$\perp$. $\neg$, Γ . Γ]))
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([$\perp$. Γ , Γ . Γ], [$\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . Γ], [$\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ], [$\perp$. Γ , Γ . $\perp$])
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([$\perp$. Γ , Γ . Γ], [$\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . Γ], [$\perp$. $\neg$, Γ . $\perp$])
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([$\perp$. Γ , Γ . Γ], [$\perp$. $\neg$, Γ . Γ])
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([$\perp$. Γ , Γ . $\neg$], [$\perp$. $\perp$, Γ . Γ]))
([$\perp$. Γ , Γ . $\neg$], [$\perp$. $\perp$, Γ . $\neg$]))
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$$([\perp, \top, \top, \top], [\perp, \perp, \top, \top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\perp, \top], [\perp, \top])$$
$$([\perp.\top, \top.\perp], (\perp.\perp, \top.\perp))$$
$$([\perp.\top, \top.\perp], (\perp.\perp, \top.\top))$$
$$([\perp.\top, \top.\perp], (\perp.\perp, \top.\top))$$
$$([\perp.\top, \top.\perp], (\perp.\top, \top.\perp))$$
$$([\perp.\top, \top.\perp], (\perp.\top, \top.\top))$$
$$([\perp.\top, \top.\perp], (\perp.\top, \top.\top))$$
$$(\lceil \cdot \rceil, \lfloor \cdot \rfloor), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$(\lceil \cdot \rceil, \lfloor \cdot \rfloor), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lfloor \cdot \rfloor), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
 $([\perp, \top], [\perp, \top])$
$$([\perp.\top, \top.\perp], [\perp.\perp, \top.\top])$$
 $([\perp, \top], [\perp, \perp], [\top, \top])$
$$([\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$$
$$([\perp . \neg, \neg . \perp], [\perp . \neg, \neg . \neg])$$
 $([\perp.\top, \top.\perp], (\perp.\top, \top.\top])$ $([\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$ $([\perp, \top], [\perp, \top])$ $([\perp.\top, \top.\perp], [\perp.\top, \top.\top])$

([$\perp$], $\top$, $\top$], [$\perp$], $\top$, $\top$))
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([$\perp$], $\top$, $\top$], [$\perp$], $\top$, $\perp$])
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[illegible]

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

7.6. $([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
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 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
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 $((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
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 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\perp, \top.\perp))$

$((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\Gamma))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\neg))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\perp))$
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 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\neg))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\perp))$
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 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\neg))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\perp))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\Gamma))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\neg))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\perp))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\Gamma))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\neg))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\perp))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\Gamma))$
 $((\perp \cdot \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\neg))$
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 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\perp, \Gamma.\neg])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\Gamma, \Gamma.\perp])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\Gamma, \Gamma.\Gamma])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\Gamma, \Gamma.\neg])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\neg, \Gamma.\perp])$
 $((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\neg, \Gamma.\Gamma])$

$((\perp . \top, \top . \perp), [\perp . \top, \top . \top])$

$((\perp . \top, \top . \perp), [\perp . \perp, \top . \perp])$

$((\perp . \top, \top . \perp), [\perp . \perp, \top . \top])$

$((\perp . \top, \top . \perp), [\perp . \perp, \top . \top])$

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$((\perp . \top, \top . \top), (\perp . \perp, \top . \perp])$

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$((\perp . \top, \top . \top), (\perp . \perp, \top . \top])$

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$((\perp, \top, \top), [\perp, \perp, \top])$

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$((\perp.\top, \top.\top), (\perp.\perp, \top.\perp])$
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 $((\perp.\top, \top.\top), (\perp.\top, \top.\top])$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\perp])$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top])$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top])$
 $((\perp.\top, \top.\top), [\perp.\perp, \top.\perp])$
 $((\perp.\top, \top.\top), [\perp.\perp, \top.\top])$

[illegible]

[illegible]

((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
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((⌊.Γ, Γ.Γ], (⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
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((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.⌊, Γ.⌊])
((⌊.Γ, Γ.Γ], (⌊.⌊, Γ.Γ])

$((\perp.\top, \top.\perp], [\perp.\perp, \top.\perp))$
 $((\perp.\top, \top.\perp], [\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\perp, \top.\perp])$
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 $((\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$
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 $((\perp.\top, \top.\top], (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\top], (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\top], (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\top], (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top], (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top], (\perp.\top, \top.\perp))$

$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), [\lceil \cdot \rceil, \lceil \cdot \rceil])$$
$$((\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$((\lceil \cdot \rceil, \lfloor \cdot \rfloor), [\lceil \cdot \rceil, \lfloor \cdot \rfloor])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\perp.\top, \top.\top], (\perp.\perp, \top.\top))$$
$$((\perp.\top, \top.\top], (\perp.\top, \top.\perp))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\perp.\top, \top.\top], (\perp.\top, \top.\perp))$$
$$((\perp.\top, \top.\top], (\perp.\top, \top.\top))$$
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$$((\perp.\top, \top.\top], (\perp.\perp, \top.\perp])$$
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$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lfloor \cdot \rfloor])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$(([\cdot, \cdot], [\cdot, \cdot]), ([\cdot, \cdot], [\cdot, \cdot]))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), \lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lfloor \cdot \rfloor), \lfloor \cdot \rfloor, \lfloor \cdot \rfloor))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), \lfloor \cdot \rfloor, \lceil \cdot \rceil))$$

([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\perp$, Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . Γ) , ([$\perp$. $\neg$, Γ . $\neg$])

$([1.7, 1.1], [1.7, 1.1])$
 $([1.7, 1.1], [1.7, 1.7])$
 $([1.7, 1.1], [1.7, 1.7])$
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 $([1.7, 1.1], [1.7, 1.7])$
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 $([1.7, 1.7], [1.1, 1.7])$
 $([1.7, 1.7], [1.7, 1.1])$
 $([1.7, 1.7], [1.7, 1.7])$
 $([1.7, 1.7], [1.7, 1.7])$
 $([1.7, 1.7], [1.7, 1.1])$
 $([1.7, 1.7], [1.7, 1.7])$
 $([1.7, 1.7], [1.7, 1.7])$
 $([1.7, 1.7], [1.1, 1.1])$

$$([\perp, \top], [\perp, \top]), ([\perp, \bot], [\perp, \top])$$
 $([\perp, \top], [\perp, \top])$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
 $([\perp.\top, \top.\top), (\perp.\top, \top.\perp])$ $([\perp, \top], [\perp, \top]), ([\perp, \top], [\perp, \top])$
$$(\lceil \cdot \rceil, \lfloor \cdot \rfloor), (\lceil \cdot \rceil, \lfloor \cdot \rfloor]$$
$$([\perp, \top], [\perp, \top], [\perp, \top], [\perp, \top])$$
 $([\perp, \top], [\perp, \top], [\perp, \top])$
$$(\llbracket \cdot \rrbracket, \vdash, \Vdash, \Vdash^*), (\llbracket \cdot \rrbracket, \vdash, \Vdash)$$
$$([\perp . \neg, \neg . \neg), [\perp . \neg, \neg . \perp])$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$(\llbracket \cdot \rrbracket, \vdash, \vdash), (\llbracket \cdot \rrbracket, \vdash, \vdash))$$
$$(\lceil \cdot \rceil, \lfloor \cdot \rfloor, \lceil \cdot \rceil, \lfloor \cdot \rfloor)$$
$$(\llbracket \cdot \rrbracket, \vdash, \vdash), (\llbracket \cdot \rrbracket, \vdash, \vdash))$$
$$(\llbracket \cdot \rrbracket, \vdash, \Vdash, \Vdash^*), (\llbracket \cdot \rrbracket, \vdash, \Vdash)$$
 $([\perp . \top, \top . \top], [\perp . \perp, \top . \perp])$
$$([\perp, \top], [\perp, \top], [\perp, \top])$$
 $([\perp . \top, \top . \top], [\perp . \perp, \top . \top])$
$$(\llbracket \cdot \rrbracket, \vdash, \vdash), (\llbracket \cdot \rrbracket, \vdash, \vdash)$$
$$(\lceil \cdot \rceil, \lfloor \cdot \rfloor), [\lceil \cdot \rceil, \lfloor \cdot \rfloor]$$
 $([\perp . \neg, \neg . \neg), [\perp . \neg, \neg . \neg])$
$$(\lceil \cdot \rceil, \lfloor \cdot \rfloor, \lceil \cdot \rceil, \lfloor \cdot \rfloor)$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil]$$

$([\perp, \Gamma, \Gamma.\perp], [\perp, \Gamma, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \Gamma, \Gamma.\Gamma])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \Gamma, \Gamma.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\Gamma])$
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 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\Gamma, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\perp, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\perp, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\perp, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\Gamma, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\Gamma, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\Gamma, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\Gamma], [\perp.\perp, \Gamma.\perp))$

$((\perp . \Gamma, \Gamma . \Pi, [\perp . \perp, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \perp, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \perp))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \perp))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \perp, \Gamma . \perp])$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \perp, \Gamma . \Gamma])$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \perp, \Gamma . \neg])$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \perp])$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Gamma])$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \neg])$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \perp])$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \Gamma])$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \perp, \Gamma . \perp))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \perp, \Gamma . \Gamma))$
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 $((\perp . \Gamma, \Gamma . \neg], (\perp . \Gamma, \Gamma . \perp))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \Gamma, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \Gamma, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \neg, \Gamma . \perp))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \neg, \Gamma . \Gamma))$

$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\sqcup, \sqcap, \sqcup, \sqcap], (\sqcup, \sqcap, \sqcup, \sqcap])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil], (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \perp])$$
$$((\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \top])$$
$$((\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \top])$$
$$((\perp, \top, \top, \top], (\perp, \top, \top, \perp])$$
$$((\sqcup, \sqcap, \sqcap.\sqcap], (\sqcup, \sqcap, \sqcap.\sqcap])$$
$$((\perp, \top, \top, \top], (\perp, \top, \top, \top])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp \cdot \top, \top \cdot \top], [\perp \cdot \perp, \top \cdot \top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$$

[illegible]

(($\perp$, $\top$], [$\perp$, $\top$]))
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 ([$\perp$, $\perp$), ($\top$, $\top$]))

([$\perp$].[$\perp$],[$\top$.[$\top$]),([$\perp$.[$\top$],[$\top$.[$\top$]))
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$([\perp, \perp], \top, \top), [\perp, \perp], \top, \perp))$
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 $([\perp, \perp], \top, \top), [\perp, \perp], \top, \top))$
 $([\perp, \perp], \top, \top), [\perp, \top, \top, \perp])$
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 $([\perp, \perp], \top, \top), [\perp, \perp], \top, \top])$
 $([\perp, \perp], \top, \top), [\perp, \top, \top, \perp])$
 $([\perp, \perp], \top, \top), [\perp, \top, \top, \top])$
 $([\perp, \perp], \top, \top), [\perp, \top, \top, \top])$
 $([\perp, \perp], \top, \top), [\perp, \top, \top, \perp])$
 $([\perp, \perp], \top, \top), [\perp, \top, \top, \top])$
 $([\perp, \perp], \top, \top), [\perp, \top, \top, \top])$
 $([\perp, \top, \top, \perp], (\perp, \perp], \top, \top))$
 $([\perp, \top, \top, \perp], (\perp, \perp], \top, \top))$
 $([\perp, \top, \top, \perp], (\perp, \top, \top, \perp))$
 $([\perp, \top, \top, \perp], (\perp, \top, \top, \top))$
 $([\perp, \top, \top, \perp], (\perp, \top, \top, \top))$
 $([\perp, \top, \top, \perp], (\perp, \top, \top, \perp))$
 $([\perp, \top, \top, \perp], (\perp, \top, \top, \top))$

$([\perp, \Gamma, \Gamma.\perp], [\perp, \neg, \neg.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \perp, \neg.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \perp, \neg.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \perp, \neg.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \Gamma, \neg.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \Gamma, \neg.\neg])$
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 $([\perp, \Gamma, \Gamma.\perp], [\perp, \neg, \neg.\perp])$
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 $([\perp, \Gamma, \Gamma.\perp], [\perp, \perp, \neg.\perp])$
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 $([\perp, \Gamma, \Gamma.\perp], [\perp, \neg, \neg.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \neg, \neg.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \perp, \neg.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \perp, \neg.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \perp, \neg.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \Gamma, \neg.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp, \Gamma, \neg.\neg])$

([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . $\perp$) , [$\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\perp$, Γ . $\perp$))
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\perp$, Γ . Γ))
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\perp$, Γ . $\neg$))
([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . $\perp$))
([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . Γ))
([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . $\neg$))
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\neg$, Γ . $\perp$))
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([$\perp$. Γ , Γ . Γ) , ($\perp$. $\neg$, Γ . $\neg$))
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\perp$, Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . Γ) , ($\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . Γ) , ($\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , [$\perp$. $\perp$, Γ . $\perp$])
([$\perp$. Γ , Γ . Γ) , [$\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . Γ) , [$\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ) , [$\perp$. Γ , Γ . $\perp$])

[illegible]

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 $([1, 7], [7, 7]), [1, 7], [7, 7])$
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 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
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 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 7], [7, 1])$
 $([1, 1], [7, 1]), ([1, 7], [7, 7])$
 $([1, 1], [7, 1]), ([1, 7], [7, 1])$
 $([1, 1], [7, 1]), ([1, 7], [7, 7])$
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 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
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 $([1, 1], [7, 1]), ([1, 7], [7, 7])$
 $([1, 1], [7, 1]), ([1, 7], [7, 1])$
 $([1, 1], [7, 1]), ([1, 7], [7, 7])$

$([1, 1], [1, 1], [1, 1], [1, 1])$
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 $([1, 1], [1, 1], [1, 2], [1, 1])$
 $([1, 1], [1, 1], [1, 2], [1, 2])$
 $([1, 1], [1, 1], [1, 2], [2, 1])$
 $([1, 1], [1, 2], [1, 1], [1, 1])$
 $([1, 1], [1, 2], [1, 1], [1, 2])$
 $([1, 1], [1, 2], [1, 1], [2, 1])$
 $([1, 1], [1, 2], [1, 2], [1, 1])$
 $([1, 1], [1, 2], [1, 2], [1, 2])$
 $([1, 1], [1, 2], [1, 2], [2, 1])$
 $([1, 1], [1, 2], [2, 1], [1, 1])$
 $([1, 1], [1, 2], [2, 1], [1, 2])$
 $([1, 1], [1, 2], [2, 1], [2, 1])$
 $([1, 1], [2, 1], [1, 1], [1, 1])$
 $([1, 1], [2, 1], [1, 1], [1, 2])$
 $([1, 1], [2, 1], [1, 1], [2, 2])$
 $([1, 1], [2, 1], [1, 2], [1, 1])$
 $([1, 1], [2, 1], [1, 2], [1, 2])$
 $([1, 1], [2, 1], [1, 2], [2, 1])$
 $([1, 1], [2, 1], [2, 1], [1, 1])$
 $([1, 1], [2, 1], [2, 1], [1, 2])$
 $([1, 1], [2, 1], [2, 1], [2, 1])$
 $([1, 1], [2, 2], [1, 1], [1, 1])$
 $([1, 1], [2, 2], [1, 1], [1, 2])$

[illegible]

([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . $\perp$))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . Γ))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . $\neg$))
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . $\perp$))
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([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . $\perp$))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . $\neg$))
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([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . $\perp$])
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([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . $\neg$])
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([$\perp$. Γ , Γ . Γ], [$\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . Γ], [$\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ], [$\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . Γ], [$\perp$. Γ , Γ . Γ])

$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$$
$$([\perp.\top, \top.\top], [\perp.\bot, \top.\perp])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\perp.\top, \top.\top], [\perp.\bot, \top.\bot])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \perp, \top \cdot \perp])$$
$$([\perp, \top, \top, \top], [\perp, \perp, \top, \top])$$
$$([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \perp])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$$
$$([\perp.\top, \top.\top], [\perp.\bot, \top.\perp])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\perp.\top, \top.\top], [\perp.\bot, \top.\bot])$$
$$([\perp.\top, \top.\top], ([\perp.\perp, \top.\perp]))$$
$$([\perp.\top, \top.\top], ([\perp.\perp, \top.\top]))$$
$$([\perp.\top, \top.\top], ([\perp.\perp, \top.\top]))$$
$$([\perp.\top, \top.\top], ([\perp.\top, \top.\perp]))$$
$$([\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \top))$$
$$([\perp.\top, \top.\top], (\perp.\top, \top.\top))$$
$$([\perp.\top, \top.\top], (\perp.\top, \top.\perp))$$
$$([\sqcup.\sqcap, \sqcap.\sqcup], (\sqcup.\sqcap, \sqcap.\sqcap))$$
$$([\perp.\top, \top.\top], (\perp.\top, \top.\top))$$
$$([\perp.\top, \top.\top], [\perp.\perp, \top.\perp])$$
$$([\perp, \top, \top, \top], [\perp, \perp, \top, \top])$$
 $([\perp, \top, \top, \top], [\perp, \perp, \top, \top])$

[illegible]

[illegible]

$([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$

$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$

$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$

$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$

$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$

$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$

$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$

7.8. $(([\perp.\perp, \top.\perp], [\perp.\top, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\perp, \top.\perp]))$

$(([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\perp]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\perp]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\perp, \top.\perp]))$

$(([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\perp]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\top]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\perp]))$

$(([\perp.\perp, \top.\perp], [\perp.\top, \top.\top]))$

$((\perp . \perp , \top . \perp), (\perp . \top , \top . \top))$
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 $((\perp.\perp, \top.\top], (\perp.\top, \top.\top))$

((⌈. ⌈, ⌈.⌈], ⌈. ⌈, ⌈.⌋))
((⌈. ⌈, ⌈.⌈], ⌈. ⌈, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈. ⌈, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌋))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈.⌋, ⌈.⌋))
((⌈. ⌈, ⌈.⌈], ⌈.⌋, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈.⌋, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌋))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌋))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌈))
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((⌈. ⌈, ⌈.⌈], ⌈.⌋, ⌈.⌋))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌋))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌋))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌈))
((⌈. ⌈, ⌈.⌈], ⌈.⌈, ⌈.⌈))
((⌈.⌈, ⌈.⌋], ⌈.⌋, ⌈.⌋))

$$\begin{aligned}
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\top,\top.\sqcup)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\top,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\top,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\top,\top.\sqcup)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\top,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\top,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\sqcup,\top.\sqcup]) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],(\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],[\sqcup.\sqcup,\top.\sqcup]) \\
& ((\sqcup.\top,\top.\sqcup],[\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],[\sqcup.\sqcup,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],[\sqcup.\top,\top.\sqcup]) \\
& ((\sqcup.\top,\top.\sqcup],[\sqcup.\top,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],[\sqcup.\top,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],[\sqcup.\top,\top.\sqcup]) \\
& ((\sqcup.\top,\top.\sqcup],[\sqcup.\top,\top.\top)) \\
& ((\sqcup.\top,\top.\sqcup],[\sqcup.\top,\top.\top))
\end{aligned}$$

$((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
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 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$

$([\perp] . \perp , \top . \top), [\perp] . \top , \top . \top))$
 $([\perp] . \perp , \top . \top), [\perp] . \top , \top . \top))$
 $([\perp] . \perp , \top . \top), [\perp] . \top , \top . \perp))$
 $([\perp] . \perp , \top . \top), [\perp] . \top , \top . \top))$
 $([\perp] . \perp , \top . \top), [\perp] . \top , \top . \top))$
 $([\perp] . \perp , \top . \top), [\perp] . \perp , \top . \perp])$
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 $([\perp] . \perp , \top . \top), [\perp] . \top , \top . \perp])$
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$([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\perp}, \Gamma_{\perp}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\perp}, \Gamma_{\top}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\perp}, \Gamma_{\neg}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\neg}, \Gamma_{\perp}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\neg}, \Gamma_{\top}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\neg}, \Gamma_{\neg}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\perp}, \Gamma_{\perp}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\perp}, \Gamma_{\top}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\perp}, \Gamma_{\neg}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\top}, \Gamma_{\perp}))$
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 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\top}, \Gamma_{\neg}))$
 $([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\neg}, \Gamma_{\top}))$
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 $([\perp]_{\perp}, \Gamma_{\top}, ([\perp]_{\perp}, \Gamma_{\neg}))$
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 $([\perp]_{\perp}, \Gamma_{\top}, ([\perp]_{\top}, \Gamma_{\neg}))$
 $([\perp]_{\perp}, \Gamma_{\top}, ([\perp]_{\neg}, \Gamma_{\perp}))$
 $([\perp]_{\perp}, \Gamma_{\top}, ([\perp]_{\neg}, \Gamma_{\top}))$
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 $([\perp]_{\perp}, \Gamma_{\top}, ([\perp]_{\perp}, \Gamma_{\perp}))$

[illegible]

[illegible]

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((⌊.Γ,Γ.Π,⌊.⌋,Γ.⌋))
((⌊.Γ,Γ.Π,⌊.⌋,Γ.Γ))
((⌊.Γ,Γ.Π,⌊.⌋,Γ.⌈))
((⌊.Γ,Γ.Π,⌊.Γ,Γ.⌋))
((⌊.Γ,Γ.Π,⌊.Γ,Γ.Γ))
((⌊.Γ,Γ.Π,⌊.Γ,Γ.⌈))
((⌊.Γ,Γ.Π,⌊.⌈,Γ.⌋))
((⌊.Γ,Γ.Π,⌊.⌈,Γ.Γ))
((⌊.Γ,Γ.Π,⌊.⌈,Γ.⌈))
((⌊.Γ,Γ.⌈,⌊.⌋,Γ.⌋))
((⌊.Γ,Γ.⌈,⌊.⌋,Γ.Γ))
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$([\perp, \perp], \Gamma, \perp), (\perp, \perp, \Gamma, \perp))$
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 $([\perp, \perp], \Gamma, \perp), (\perp, \perp, \Gamma, \neg))$
 $([\perp, \perp], \Gamma, \perp), (\perp, \neg, \Gamma, \perp))$
 $([\perp, \perp], \Gamma, \perp), (\perp, \neg, \Gamma, \Gamma))$
 $([\perp, \perp], \Gamma, \perp), (\perp, \neg, \Gamma, \neg))$
 $([\perp, \perp], \Gamma, \perp), (\perp, \neg, \neg, \perp))$
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 $([\perp, \perp], \Gamma, \perp), (\perp, \neg, \neg, \neg))$
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 $([\perp, \perp], \Gamma, \perp), (\perp, \perp, \Gamma, \neg))$
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 $([\perp, \perp], \Gamma, \perp), (\perp, \neg, \Gamma, \Gamma))$
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 $([\perp, \perp], \Gamma, \perp), ([\perp, \perp], \Gamma, \Gamma))$
 $([\perp, \perp], \Gamma, \perp), ([\perp, \perp], \Gamma, \neg))$
 $([\perp, \perp], \Gamma, \perp), ([\perp, \neg, \Gamma, \perp))$
 $([\perp, \perp], \Gamma, \perp), ([\perp, \neg, \Gamma, \Gamma))$
 $([\perp, \perp], \Gamma, \perp), ([\perp, \neg, \Gamma, \neg))$
 $([\perp, \perp], \Gamma, \perp), ([\perp, \neg, \neg, \perp))$

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[illegible]

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 ([$\perp$. $\top$, $\top$. $\neg$], ($\perp$. $\top$, $\top$. $\top$])
 ([$\perp$. $\top$, $\top$. $\neg$], ($\perp$. $\neg$, $\top$. $\perp$])
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 ([$\perp$. $\top$, $\top$. $\neg$], [$\perp$. $\perp$, $\top$. $\perp$])
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([$\perp$], $\top$], [$\perp$], [$\top$]))
([$\perp$], $\top$], [$\perp$], [$\perp$]))

[illegible]

$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$
$$([\perp.\top, \top.\top], (\perp.\top, \top.\top))$$
$$([\perp.\top, \top.\top], (\perp.\top, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil)$$
$$([\perp.\top, \top.\top], [\perp.\perp, \top.\perp]))$$
$$([\sqcup.\top, \top.\top], [\sqcup.\bot, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
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$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top))$$
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$$([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$([\sqcup.\top, \top.\top], [\sqcup.\perp, \perp.\perp])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
 $([\perp.\top, \top.\top], [\perp.\top, \top.\top])$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$\neg \perp \neq 0. ((\perp, \top], (\perp, \top])$$

$((\perp.\perp, \top.\perp), [\perp.\top, \top.\top])$
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 $((\perp.\perp, \top.\perp), [\perp.\perp, \top.\perp])$
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 $((\perp.\perp, \top.\perp), [\perp.\top, \top.\perp])$
 $((\perp.\perp, \top.\perp), [\perp.\top, \top.\top])$
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 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
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 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$

$((\perp . \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\neg))$
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$((\perp.\top, \top.\top), [\perp.\top, \top.\top])$

$((\perp.\top, \top.\top), [\perp.\top, \top.\perp])$

$((\perp.\top, \top.\top), [\perp.\top, \top.\top])$

$((\perp.\top, \top.\top), [\perp.\top, \top.\top])$

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 $((\perp . \Gamma, \Gamma.\perp], [\perp.\perp, \neg.\neg))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp.\perp, \neg.\neg))$
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 $((\perp . \Gamma, \Gamma.\neg], (\perp.\perp, \neg.\neg))$
 $((\perp . \Gamma, \Gamma.\neg], (\perp.\perp, \neg.\neg))$
 $((\perp . \Gamma, \Gamma.\neg], (\perp.\neg, \neg.\perp))$
 $((\perp . \Gamma, \Gamma.\neg], (\perp.\neg, \neg.\neg))$

((⌊.7, ⌈.⌋], ⌊.⌋, ⌈.⌋))
((⌊.7, ⌈.⌋], ⌊.⌋, ⌈.⌈))
((⌊.7, ⌈.⌋], ⌊.⌋, ⌈.7))
((⌊.7, ⌈.⌋], ⌊.⌈, ⌈.⌋))
((⌊.7, ⌈.⌋], ⌊.⌈, ⌈.⌈))
((⌊.7, ⌈.⌋], ⌊.⌈, ⌈.7))
((⌊.7, ⌈.⌋], ⌊.7, ⌈.⌋))
((⌊.7, ⌈.⌋], ⌊.7, ⌈.⌈))
((⌊.7, ⌈.⌋], ⌊.7, ⌈.7))
((⌊.7, ⌈.⌋], ⌊.⌋, ⌈.⌋))
((⌊.7, ⌈.⌋], ⌊.⌋, ⌈.⌈))
((⌊.7, ⌈.⌋], ⌊.⌋, ⌈.7))
((⌊.7, ⌈.⌋], ⌊.⌈, ⌈.⌋))
((⌊.7, ⌈.⌋], ⌊.⌈, ⌈.⌈))
((⌊.7, ⌈.⌋], ⌊.⌈, ⌈.7))
((⌊.7, ⌈.⌋], ⌊.7, ⌈.⌋))
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((⌊.7, ⌈.⌋], ⌊.⌋, ⌈.⌋))
((⌊.7, ⌈.⌋], ⌊.⌋, ⌈.⌈))
((⌊.7, ⌈.⌋], ⌊.⌋, ⌈.7))
((⌊.7, ⌈.⌋], ⌊.⌈, ⌈.⌋))
((⌊.7, ⌈.⌋], ⌊.⌈, ⌈.⌈))
((⌊.7, ⌈.⌋], ⌊.⌈, ⌈.7))
((⌊.7, ⌈.⌋], ⌊.7, ⌈.⌋))
((⌊.7, ⌈.⌋], ⌊.7, ⌈.⌈))
((⌊.7, ⌈.⌋], ⌊.7, ⌈.7))

[illegible]

$$(\llbracket \cdot \rrbracket, \vdash, \vdash), (\llbracket \cdot \rrbracket, \vdash, \vdash))$$
 $([\perp, \top], [\perp, \perp], [\top, \perp])$
$$([\perp, \top], [\perp, \top], [\perp, \top])$$
 $([\perp, \top], [\perp, \top], [\perp, \top])$
$$([\perp . \top, \top . \top], [\perp . \top, \top . \perp])$$
$$([\perp, \top, \top], [\perp, \top, \top])$$
$$([\perp . \neg, \neg . \neg], [\perp . \neg, \neg . \neg])$$
$$([\perp.\top, \top.\top), [\perp.\top, \top.\perp])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
 $([\perp.\top, \top.\top], [\perp.\top, \top.\top])$ $([\perp.\top, \top.\top), (\perp.\perp, \top.\perp))$ $([\perp.\top, \top.\top), (\perp.\perp, \top.\top))$ $([\perp.\top, \top.\top), (\perp.\perp, \top.\top))$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
 $([\perp.\top, \top.\top], [\perp.\perp, \top.\perp])$ $([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$ $([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$ $([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil)$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor)$$

$([1, 7], [7, 7]), ([1, 7], [7, 1])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 1], [7, 1])$
 $([1, 7], [7, 7]), ([1, 1], [7, 7])$
 $([1, 7], [7, 7]), ([1, 1], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 1])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 1])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 1], [7, 1])$
 $([1, 7], [7, 7]), ([1, 1], [7, 7])$
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 $([1, 7], [7, 7]), ([1, 1], [7, 1])$
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 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 1])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
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 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 7], [7, 1])$

$([\perp, \perp], \Gamma, \Gamma), [\perp, \perp], \Gamma, \perp))$
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 $([\perp, \perp], \Gamma, \Gamma), [\perp, \perp], \Gamma, \neg))$
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 $([\perp, \perp], \Gamma, \neg), (\perp, \perp], \Gamma, \neg))$
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 $([\perp, \perp], \Gamma, \neg), (\perp, \neg, \Gamma, \Gamma))$
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 $([\perp, \perp], \Gamma, \neg), (\perp, \neg, \neg, \perp))$

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([1.1], [1.7], ([1.7], [1.7]))

[illegible]

$([\perp, \Gamma, \Gamma.\perp], [\perp, \Gamma, \Gamma.\perp])$
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 $([\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\Gamma])$
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 $([\perp, \Gamma, \Gamma.\Gamma], (\perp.\Gamma, \Gamma.\perp))$
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 $([\perp, \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\perp))$
 $([\perp, \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\Gamma))$
 $([\perp, \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\neg))$
 $([\perp, \Gamma, \Gamma.\Gamma], (\perp.\perp, \Gamma.\perp))$

([⊥ . Γ , Γ . Γ] , [⊥ . Δ , Γ . Γ])
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([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Δ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Δ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Δ , Γ . Δ])
([⊥ . Γ , Γ . Γ] , [⊥ . Δ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Δ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Δ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Δ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Δ , Γ . Δ])
([⊥ . Γ , Γ . Γ] , [⊥ . Δ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Δ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Δ , Γ . Δ])
([⊥ . Γ , Γ . Γ] , [⊥ . Δ , Γ . Γ])
([⊥ . Γ , Γ . Γ] , [⊥ . Δ , Γ . Γ])

[illegible]

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([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$]))
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([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$]))
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([$\perp$. Γ , Γ . $\neg$], [$\neg$. Γ , Γ . $\neg$]))
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([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. Γ , Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. Γ , Γ . Γ))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. Γ , Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . Γ))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . Γ))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$))
([$\neg$. $\neg$, Γ . $\neg$], ($\neg$. Γ , Γ . $\neg$))

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 $([1, 7], [1, 2], [1, 7], [1, 2])$
 $([1, 7], [1, 2], [1, 7], [1, 7])$
 $([1, 7], [1, 2], [1, 7], [1, 7])$
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 $([1, 7], [1, 2], [1, 7], [1, 7])$
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$([a, b], [a, c])$
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 $([a, b], [c, d])$
 $([a, b], [c, c])$
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 $([a, b], [c, d])$
 $([a, b], [c, c])$
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 $([a, b], [c, d])$
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 $([a, b], [d, d])$
 $[c, d]. ([c, d], [c, c])$
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 $([c, d], [c, b])$
 $([c, d], [c, c])$

((⌊.⌋, ⌈.⌈), (⌊.⌈, ⌈.⌈))
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((⌊.⌋, ⌈.⌈), (⌊.⌋, ⌈.⌋))
((⌊.⌋, ⌈.⌈), (⌊.⌋, ⌈.⌈))
((⌊.⌋, ⌈.⌈), (⌊.⌋, ⌈.⌈))
((⌊.⌋, ⌈.⌈), (⌊.⌈, ⌈.⌋))
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((⌊.⌋, ⌈.⌈), (⌊.⌈, ⌈.⌈))
((⌊.⌋, ⌈.⌈), (⌊.⌈, ⌈.⌋))
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$((\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\perp])$
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$((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
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$((\perp.\top, \top.\top), (\perp.\perp, \top.\perp])$
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 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \Gamma, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \Gamma, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \Gamma, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \neg, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \neg, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \neg, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\perp])$

$((\perp . \Gamma, \Gamma . \Pi, (\perp . \Delta, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Delta, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \Delta))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \neg, \Gamma . \Delta))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \neg, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \Pi, (\perp . \neg, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Gamma]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Gamma]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \Gamma]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \Gamma]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Delta, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \Gamma]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \Delta]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \Gamma]))$

((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ])
((⌊.Γ,Γ.Γ],[⌊.⌊,Γ.⌊))
((⌊.Γ,Γ.Γ],[⌊.⌊,Γ.Γ))
((⌊.Γ,Γ.Γ],[⌊.⌊,Γ.Γ))
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.⌊))
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ))
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ))
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.⌊))
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ))
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ))
((⌊.Γ,Γ.Γ],[⌊.⌊,Γ.⌊])
((⌊.Γ,Γ.Γ],[⌊.⌊,Γ.Γ])
((⌊.Γ,Γ.Γ],[⌊.⌊,Γ.Γ])
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.⌊])
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ])
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ])
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.⌊])
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ])
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ])
((⌊.Γ,Γ.Γ],[⌊.⌊,Γ.⌊))
((⌊.Γ,Γ.Γ],[⌊.⌊,Γ.Γ))
((⌊.Γ,Γ.Γ],[⌊.⌊,Γ.Γ))
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.⌊))
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ))
((⌊.Γ,Γ.Γ],[⌊.Γ,Γ.Γ))

[illegible]

$([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_-, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_+, [1]_-)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_+, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_+, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_-)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_+, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_-, [1]_-)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_-, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_-, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_+, [1]_-)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_+, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_-)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_+, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_+, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_-)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_+, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_-, [1]_+, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_-)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_-, [1]_+)$)
 $([1]_-, [1]_-, [1]_+)$, $([1]_+, [1]_+, [1]_+)$)

$([\perp, \perp], [\top, \top]), [\perp, \top], [\top, \top])$
 $([\perp, \perp], [\top, \top]), [\perp, \top], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \perp], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \perp], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \perp])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \perp])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \perp], [\top, \perp])$
 $([\perp, \top], [\top, \perp]), ([\perp, \perp], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \perp], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \perp])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \perp])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \perp], [\top, \perp])$
 $([\perp, \top], [\top, \perp]), ([\perp, \perp], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \perp])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \top])$
 $([\perp, \top], [\top, \perp]), ([\perp, \top], [\top, \top])$

$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \bot, \top \cdot \top])$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \bot, \top \cdot \bot])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \perp, \top \cdot \top])$$
$$(\llbracket \cdot \rrbracket, \vdash, \vdash), (\llbracket \cdot \rrbracket, \vdash, \vdash))$$
$$([\perp \cdot \top, \top \cdot \top), [\perp \cdot \top, \top \cdot \perp])$$
$$([\perp \cdot \Gamma, \Gamma \cdot \Gamma), [\perp \cdot \Gamma, \Gamma \cdot \Gamma))$$
$$(\llbracket \cdot \rrbracket, \vdash, \vdash), (\llbracket \cdot \rrbracket, \vdash, \vdash))$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \bot, \top \cdot \perp]))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$(\llbracket \cdot \rrbracket, \vdash, \vdash), (\llbracket \cdot \rrbracket, \vdash, \vdash))$$
$$([\sqcup \cdot \sqcap, \sqcap \cdot \sqcap], [\sqcup \cdot \sqcup, \sqcap \cdot \sqcup])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \perp, \top \cdot \top])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \perp, \top \cdot \perp])$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \perp])$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil]$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$$
$$(\llbracket \cdot \rrbracket, \vdash, \vdash), (\llbracket \cdot \rrbracket, \vdash, \vdash)$$
$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \bot, \top \cdot \top])$$
$$([\sqcup, \sqcap, \sqcap, \sqcap], [\sqcup, \sqcap, \sqcap, \sqcap])$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil)$$

$$([\perp, \top, \top, \top], [\perp, \perp, \top, \perp])$$
$$([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$$
$$([\perp, \top, \top, \top], [\perp, \perp, \top, \top])$$
 $([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \perp])$ $([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), \lfloor \cdot \rceil, \lceil \cdot \rfloor)$$
 $([\perp, \top], [\perp, \top]), [\perp, \top], [\top, \top])$ $([\perp.\top, \top.\perp), (\perp.\perp, \top.\perp))$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil)$$
 $([\perp . \top, \top . \perp], [\perp . \perp, \top . \top])$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor)$$
 $([\perp . \top, \top . \perp], [\perp . \top, \top . \top])$ $([\perp.\top, \top.\perp], [\perp.\top, \top.\top])$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
 $([\perp.\top, \top.\perp), (\perp.\top, \top.\top))$ $([\perp.\top, \top.\perp), (\perp.\top, \top.\top))$ $([\perp, \top], [\perp, \perp]), ([\perp, \perp], [\top, \perp])$ $([\perp, \top], [\perp, \perp]), ([\perp, \perp], [\top, \top])$ $([\perp, \top], [\perp, \perp]), ([\perp, \perp], [\top, \top])$ $([\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$ $([\perp . \neg, \neg . \perp], [\perp . \neg, \neg . \neg])$ $([\perp.\top, \top.\perp], [\perp.\top, \top.\top])$ $([\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$

([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\perp$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\perp$, $\perp$))
([$\perp$], $\top$, $\top$), ($\perp$, $\perp$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\perp$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\perp$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\perp$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\perp$, $\perp$))
([$\perp$], $\top$, $\top$), ($\perp$, $\perp$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\perp$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\perp$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\perp$))
([$\perp$], $\top$, $\top$), ($\perp$, $\top$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\perp$, $\perp$))
([$\perp$], $\top$, $\top$), ($\perp$, $\perp$, $\top$))
([$\perp$], $\top$, $\top$), ($\perp$, $\perp$, $\top$))

$([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 1], [7, 1])$
 $([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 1])$
 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 7], [7, 1])$
 $([1, 1], [7, 1]), ([1, 7], [7, 7])$
 $([1, 1], [7, 1]), ([1, 7], [7, 7])$

[illegible]

$([1, 1], [1, 1], [1, 1, 1, 1])$
 $([1, 1], [1, 1], [1, 1, 1, 2])$
 $([1, 1], [1, 1], [1, 2, 1, 1])$
 $([1, 1], [1, 1], [1, 2, 1, 2])$
 $([1, 1], [1, 1], [1, 2, 2, 1])$
 $([1, 1], [1, 1], [1, 2, 2, 2])$
 $([1, 1], [1, 2], [1, 1, 1, 1])$
 $([1, 1], [1, 2], [1, 1, 1, 2])$
 $([1, 1], [1, 2], [1, 1, 2, 1])$
 $([1, 1], [1, 2], [1, 1, 2, 2])$
 $([1, 1], [1, 2], [1, 2, 1, 1])$
 $([1, 1], [1, 2], [1, 2, 1, 2])$
 $([1, 1], [1, 2], [1, 2, 2, 1])$
 $([1, 1], [1, 2], [1, 2, 2, 2])$
 $([1, 1], [2, 1], [1, 1, 1, 1])$
 $([1, 1], [2, 1], [1, 1, 1, 2])$
 $([1, 1], [2, 1], [1, 1, 2, 1])$
 $([1, 1], [2, 1], [1, 1, 2, 2])$
 $([1, 1], [2, 1], [1, 2, 1, 1])$
 $([1, 1], [2, 1], [1, 2, 1, 2])$
 $([1, 1], [2, 1], [1, 2, 2, 1])$
 $([1, 1], [2, 1], [1, 2, 2, 2])$
 $([1, 1], [2, 1], [2, 1, 1, 1])$
 $([1, 1], [2, 1], [2, 1, 1, 2])$

([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . $\neg$))
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\perp$, Γ . $\perp$])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . $\perp$))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . Γ))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . $\neg$))
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . $\perp$))
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . Γ))
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . $\neg$))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . $\perp$))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . $\neg$))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . Γ))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . $\neg$))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . $\neg$))
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . Γ))

[illegible]

$([a, b], [c, d])$
 $([a, b], [c, e])$
 $([a, b], [c, f])$
 $([a, b], [c, g])$
 $([a, b], [d, e])$
 $([a, b], [d, f])$
 $([a, b], [d, g])$
 $([a, b], [e, e])$
 $([a, b], [e, f])$
 $([a, b], [e, g])$
 $([a, b], [f, e])$
 $([a, b], [f, f])$
 $([a, b], [f, g])$
 $([a, b], [g, e])$
 $([a, b], [g, f])$
 $([a, b], [g, g])$
 $a, b, ([c, d], [e, g])$
 $([c, d], [e, e])$
 $([c, d], [e, f])$
 $([c, d], [e, g])$
 $([c, d], [f, e])$
 $([c, d], [f, f])$
 $([c, d], [f, g])$
 $([c, d], [g, e])$
 $([c, d], [g, f])$

$((\perp.\perp, \top.\perp), [\perp.\top, \top.\perp])$
 $((\perp.\perp, \top.\perp), [\perp.\top, \top.\top])$
 $((\perp.\perp, \top.\perp), [\perp.\top, \top.\top])$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), [\perp.\perp, \top.\perp])$
 $((\perp.\perp, \top.\top), [\perp.\perp, \top.\top])$
 $((\perp.\perp, \top.\top), [\perp.\perp, \top.\top])$
 $((\perp.\perp, \top.\top), [\perp.\top, \top.\perp])$

$$((\sqcup, \sqcup, \sqcup, \sqcup), [\sqcup, \sqcup, \sqcup, \sqcup])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\sqcup.\sqcup, \sqcap.\sqcap), [\sqcup.\sqcap, \sqcap.\sqcup])$$
$$((\sqcup, \sqcup, \sqcup, \sqcup), [\sqcup, \sqcup, \sqcup, \sqcup])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\sqcup, \sqcup, \sqcup), [\sqcup, \sqcup, \sqcup])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\sqcup, \sqcup, \sqcup, \sqcup), [\sqcup, \sqcup, \sqcup, \sqcup])$$
$$((\perp.\perp, \top.\top), [\perp.\top, \top.\top])$$
$$((\lceil \cdot \rceil, \lfloor \cdot \rfloor), [\lceil \cdot \rceil, \lfloor \cdot \rfloor])$$
$$((\perp.\perp, \top.\top), (\perp.\perp, \top.\perp))$$
$$((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$$
$$((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp, \top), (\perp, \top])$$

$((\perp . \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\perp, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\Gamma, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp), (\perp.\neg, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp), [\perp.\perp, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\perp), [\perp.\perp, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp), [\perp.\perp, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp), [\perp.\Gamma, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\perp), [\perp.\Gamma, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp), [\perp.\Gamma, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp), [\perp.\neg, \Gamma.\perp))$

$((\perp . \top, \top . \perp), [\perp . \top, \top . \top])$

$((\perp . \top, \top . \perp), [\perp . \top, \top . \top])$

$((\perp . \top, \top . \perp), [\perp . \perp, \top . \perp])$

$((\perp . \top, \top . \perp), [\perp . \perp, \top . \top])$

$((\perp . \top, \top . \perp), [\perp . \perp, \top . \top])$

$((\perp . \top, \top . \perp), [\perp . \top, \top . \perp])$

$((\perp . \top, \top . \perp), [\perp . \top, \top . \top])$

$((\perp . \top, \top . \perp), [\perp . \top, \top . \top])$

$((\perp . \top, \top . \perp), [\perp . \top, \top . \perp])$

$((\perp . \top, \top . \perp), [\perp . \top, \top . \top])$

$((\perp . \top, \top . \perp), [\perp . \top, \top . \top])$

$((\perp . \top, \top . \top), (\perp . \perp, \top . \perp))$

$((\perp . \top, \top . \top), (\perp . \perp, \top . \top))$

$((\perp . \top, \top . \top), (\perp . \perp, \top . \top))$

$((\perp . \top, \top . \top), (\perp . \top, \top . \perp))$

$((\perp . \top, \top . \top), (\perp . \top, \top . \top))$

$((\perp . \top, \top . \top), (\perp . \top, \top . \top))$

$((\perp . \top, \top . \top), (\perp . \top, \top . \perp))$

$((\perp . \top, \top . \top), (\perp . \top, \top . \top))$

$((\perp . \top, \top . \top), (\perp . \top, \top . \top))$

$((\perp . \top, \top . \top), (\perp . \perp, \top . \perp])$

$((\perp . \top, \top . \top), (\perp . \perp, \top . \top])$

$((\perp . \top, \top . \top), (\perp . \perp, \top . \top])$

$((\perp . \top, \top . \top), (\perp . \top, \top . \perp])$

$((\perp . \top, \top . \top), (\perp . \top, \top . \top])$

((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.⌊, Γ.⌊))
((⌊.Γ, Γ.Γ), (⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.⌊, Γ.⌊))
((⌊.Γ, Γ.Γ), (⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ), (⌊.⌊, Γ.⌊))

$((\perp, \top, \top), [\perp, \perp, \top])$

$((\perp, \top, \top), [\perp, \perp, \top])$

$((\perp, \top, \top), [\perp, \top, \perp])$

$((\perp, \top, \top), [\perp, \top, \top])$

$((\perp, \top, \top), [\perp, \top, \top])$

$((\perp, \top, \top), [\top, \top, \perp])$

$((\perp, \top, \top), [\top, \top, \top])$

$((\perp, \top, \top), [\top, \top, \top])$

$((\perp, \top, \perp), (\perp, \perp, \perp))$

$((\perp, \top, \perp), (\perp, \perp, \top))$

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$((\perp, \top, \perp), (\perp, \top, \top))$

$((\perp, \top, \perp), (\perp, \top, \top))$

$((\perp, \top, \perp), (\perp, \top, \perp))$

$((\perp, \top, \perp), (\perp, \top, \top))$

$((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\perp, \top.\perp))$
 $((\perp.\top, \top.\perp), (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\perp, \top.\perp))$
 $((\perp.\top, \top.\perp), (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\perp))$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$

$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$((\sqcup \cdot \sqcup, \sqcap \cdot \sqcap), (\sqcup \cdot \sqcap, \sqcap \cdot \sqcap))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$((\perp.\perp, \top.\top], (\perp.\top, \top.\perp))$$
$$((\perp \cdot \perp, \top \cdot \top), (\perp \cdot \top, \top \cdot \top))$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\perp, \perp], [\top, \top], (\perp, \perp], [\top, \top])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$((\perp \cdot \perp, \top \cdot \top), (\perp \cdot \top, \top \cdot \top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$((\perp.\perp, \top.\top], (\perp.\top, \top.\top])$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$

$((\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\perp))$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\Gamma))$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\neg))$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\perp))$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\Gamma))$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\neg))$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\perp))$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\Gamma))$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\neg))$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\perp])$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\Gamma])$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\neg])$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\perp])$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\Gamma])$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\neg])$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\perp])$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\Gamma])$
 $((\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\neg])$
 $((\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\perp))$
 $((\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\Gamma))$
 $((\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\neg))$
 $((\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\perp))$
 $((\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\Gamma))$
 $((\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\neg))$
 $((\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\perp))$

((⌊.Γ, Γ.Γ], ⌊.⌋, Γ.Γ))
((⌊.Γ, Γ.Γ], ⌊.⌋, Γ.Γ))
((⌊.Γ, Γ.Γ], ⌊.Γ, Γ.⌋))
((⌊.Γ, Γ.Γ], ⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], ⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], ⌊.Γ, Γ.⌋))
((⌊.Γ, Γ.Γ], ⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], ⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌋], ⌊.⌋, Γ.⌋))
((⌊.Γ, Γ.⌋], ⌊.⌋, Γ.Γ))
((⌊.Γ, Γ.⌋], ⌊.⌋, Γ.Γ))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.⌋))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.⌋))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.⌋))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.⌋))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.⌋))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.⌋))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.⌋))
((⌊.Γ, Γ.⌋], ⌊.Γ, Γ.Γ))

$((\perp.\top, \top.\perp], (\perp.\top, \top.\top])$
 $((\perp.\top, \top.\perp], [\perp.\perp, \top.\perp))$
 $((\perp.\top, \top.\perp], [\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top))$
 $((\perp.\top, \top.\perp], [\perp.\perp, \top.\perp])$
 $((\perp.\top, \top.\perp], [\perp.\perp, \top.\top])$
 $((\perp.\top, \top.\perp], [\perp.\perp, \top.\top])$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\perp])$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\perp], [\perp.\top, \top.\top])$
 $((\perp.\top, \top.\top], (\perp.\perp, \top.\perp))$
 $((\perp.\top, \top.\top], (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\top], (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\top], (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\top], (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top], (\perp.\top, \top.\top))$

((א.ה, פ.פ], [א.פ, פ.פ])
 ((א.ה, פ.פ], [א.פ, פ.ה])
 ((א.ה, פ.פ], [א.ה, פ.א])
 ((א.ה, פ.פ], [א.ה, פ.פ])
 ((א.ה, פ.פ], [א.ה, פ.ה])
 ((א.ה, פ.ה], (א.א, פ.א))
 ((א.ה, פ.ה], (א.א, פ.פ))
 ((א.ה, פ.ה], (א.א, פ.ה))
 ((א.ה, פ.ה], (א.פ, פ.א))
 ((א.ה, פ.ה], (א.פ, פ.פ))
 ((א.ה, פ.ה], (א.פ, פ.ה))
 ((א.ה, פ.ה], (א.ה, פ.א))
 ((א.ה, פ.ה], (א.ה, פ.פ))
 ((א.ה, פ.ה], (א.ה, פ.ה))
 ((א.ה, פ.ה], (א.א, פ.א])
 ((א.ה, פ.ה], (א.א, פ.פ])
 ((א.ה, פ.ה], (א.א, פ.ה])
 ((א.ה, פ.ה], (א.פ, פ.א])
 ((א.ה, פ.ה], (א.פ, פ.פ])
 ((א.ה, פ.ה], (א.פ, פ.ה])
 ((א.ה, פ.ה], (א.ה, פ.א])
 ((א.ה, פ.ה], (א.ה, פ.פ])
 ((א.ה, פ.ה], (א.ה, פ.ה])
 ((א.ה, פ.ה], [א.א, פ.א])
 ((א.ה, פ.ה], [א.א, פ.פ])

$(\perp . \Gamma, \Gamma.\perp), (\perp . \Gamma, \Gamma.\perp))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \Gamma, \Gamma.\Gamma))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \Gamma, \Gamma.\neg))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \neg, \Gamma.\perp))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \neg, \Gamma.\Gamma))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \neg, \Gamma.\neg))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \perp, \Gamma.\perp))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \perp, \Gamma.\Gamma))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \perp, \Gamma.\neg))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \Gamma, \Gamma.\perp))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \Gamma, \Gamma.\Gamma))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \Gamma, \Gamma.\neg))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \neg, \Gamma.\perp))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \neg, \Gamma.\Gamma))$
 $(\perp . \Gamma, \Gamma.\perp), (\perp . \neg, \Gamma.\neg))$
 $(\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\perp))$
 $(\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\Gamma))$
 $(\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\neg))$
 $(\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\perp))$
 $(\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\Gamma))$
 $(\perp . \Gamma, \Gamma.\perp), [\perp . \Gamma, \Gamma.\neg))$
 $(\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\perp))$
 $(\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\Gamma))$
 $(\perp . \Gamma, \Gamma.\perp), [\perp . \neg, \Gamma.\neg))$
 $(\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\perp))$

$([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 1], [7, 1])$
 $([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 1])$
 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 7], [7, 1])$
 $([1, 1], [7, 1]), ([1, 7], [7, 7])$
 $([1, 1], [7, 1]), ([1, 7], [7, 7])$
 $([1, 1], [7, 1]), ([1, 7], [7, 1])$
 $([1, 1], [7, 1]), ([1, 7], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 1])$
 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 7])$

[illegible]

$([\perp, \Gamma, \Gamma.\perp], (\perp, \Gamma, \Gamma.\Gamma))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp, \Gamma, \Gamma.\neg))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\perp))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\Gamma))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\neg))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\perp))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\Gamma))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\perp, \Gamma.\neg))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\perp))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\Gamma))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\Gamma, \Gamma.\neg))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\perp))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\Gamma))$
 $([\perp, \Gamma, \Gamma.\perp], (\perp.\neg, \Gamma.\neg))$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\Gamma])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\Gamma])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\neg])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\perp])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\Gamma])$
 $([\perp, \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\neg])$
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 $([\perp, \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\Gamma])$

([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\perp$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. Γ , Γ . $\perp$])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. Γ , Γ . Γ])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . $\perp$])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . $\perp$], [$\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . $\perp$))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . Γ))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . $\neg$))
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . $\perp$))
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . Γ))
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . $\neg$))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . $\perp$))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . $\neg$))
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([$\perp$. Γ , Γ . Γ], ($\perp$. $\perp$, Γ . Γ])
([$\perp$. Γ , Γ . Γ], ($\perp$. Γ , Γ . $\neg$])
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([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . Γ], ($\perp$. $\neg$, Γ . $\neg$])

([$\perp$. Γ , Γ . $\neg$], ($\neg$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$))
([$\perp$. Γ , Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], ($\neg$. $\neg$, Γ . Γ))
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([$\perp$. Γ , Γ . $\neg$], ($\neg$. Γ , Γ . Γ))
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([$\perp$. Γ , Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], ($\neg$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . $\neg$], ($\neg$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$]))
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([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$]))
([$\perp$. Γ , Γ . $\neg$], [$\neg$. Γ , Γ . $\neg$]))
([$\perp$. Γ , Γ . $\neg$], [$\neg$. Γ , Γ . Γ))
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([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$]))
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . Γ))
([$\perp$. Γ , Γ . $\neg$], [$\neg$. $\neg$, Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. Γ , Γ . $\neg$])
([$\perp$. Γ , Γ . $\neg$], [$\neg$. Γ , Γ . Γ))

[illegible]

$((\perp . \perp , \top . \top), [\perp . \top , \top . \top])$
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 $((\perp . \perp , \top . \top), (\perp . \top , \top . \top])$

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 $((\perp . \Gamma, \Gamma.\perp), (\perp . \neg, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp . \perp, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp . \perp, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp . \perp, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp), (\perp . \Gamma, \Gamma.\perp))$
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 $((\perp . \Gamma, \Gamma.\perp), [\perp . \perp, \Gamma.\Gamma])$

$((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\perp, \Gamma.\top])$

$((\perp \cdot \Gamma, \Gamma.\perp), [\perp \cdot \Gamma, \Gamma.\perp])$

$((\perp \cdot \Gamma, \Gamma.\perp), [\perp \cdot \Gamma, \Gamma.\top])$

$((\perp \cdot \Gamma, \Gamma.\perp), [\perp \cdot \Gamma, \Gamma.\top])$

$((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\perp])$

$((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\top])$

$((\perp \cdot \Gamma, \Gamma.\perp), [\perp.\top, \Gamma.\top])$

$((\perp \cdot \Gamma, \Gamma.\top), (\perp.\perp, \Gamma.\perp))$

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$((\perp \cdot \Gamma, \Gamma.\top), (\perp \cdot \Gamma, \Gamma.\top))$

$((\perp \cdot \Gamma, \Gamma.\top), (\perp.\top, \Gamma.\perp))$

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 $((\perp . \Gamma, \Gamma . \neg), (\perp . \perp, \Gamma . \perp))$
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$((\perp.\top, \top.\perp), [\perp.\top, \top.\perp])$
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$((\perp.\top, \top.\top), [\perp.\top, \top.\top])$
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[illegible]

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((\ . , \ .], [\ . \ , \ . \])
((\ . , \ .], [\ . \ , \ . \])
((\ . , \ .], [\ . \ , \ .]))
((\ . , \ .], [\ . \ , \ . \])
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$((\perp . \Gamma, \Gamma.\perp], (\perp . \Gamma, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp], (\perp . \Gamma, \Gamma.\neg))$
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 $((\perp . \Gamma, \Gamma.\perp], (\perp . \neg, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp], (\perp . \neg, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\perp], (\perp . \perp, \Gamma.\perp])$
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 $((\perp . \Gamma, \Gamma.\perp], [\perp . \perp, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \perp, \Gamma.\Gamma))$

((⌊ . ⌈, ⌈.⌋], [⌋ .⌋ , ⌈.⌈))
((⌊ . ⌈, ⌈.⌋], [⌋ . ⌈, ⌈.⌋))
((⌊ . ⌈, ⌈.⌋], [⌋ . ⌈, ⌈. ⌈))
((⌊ . ⌈, ⌈.⌋], [⌋ . ⌈, ⌈.⌈))
((⌊ . ⌈, ⌈.⌋], [⌋ .⌈ , ⌈.⌋))
((⌊ . ⌈, ⌈.⌋], [⌋ .⌈ , ⌈. ⌈))
((⌊ . ⌈, ⌈.⌋], [⌋ .⌈ , ⌈.⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌋ , ⌈.⌋))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌋ , ⌈. ⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌋ , ⌈.⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ . ⌈, ⌈.⌋))
((⌊ . ⌈, ⌈. ⌈], (⌋ . ⌈, ⌈. ⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ . ⌈, ⌈.⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌈ , ⌈.⌋))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌈ , ⌈. ⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌈ , ⌈.⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌋ , ⌈.⌋))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌋ , ⌈. ⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌋ , ⌈.⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ . ⌈, ⌈.⌋))
((⌊ . ⌈, ⌈. ⌈], (⌋ . ⌈, ⌈. ⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ . ⌈, ⌈.⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌈ , ⌈.⌋))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌈ , ⌈. ⌈))
((⌊ . ⌈, ⌈. ⌈], (⌋ .⌈ , ⌈.⌈))

$((\perp . \Gamma, \Gamma . \Pi, [\perp . \perp, \Gamma . \perp]))$
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 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \neg]))$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \perp]))$
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 $((\perp . \Gamma, \Gamma . \neg], (\perp . \perp, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \Gamma, \Gamma . \perp))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \Gamma, \Gamma . \Gamma))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \Gamma, \Gamma . \neg))$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \neg, \Gamma . \perp))$

((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.⌊, Γ.⌊))
((⌊.Γ, Γ.Γ], (⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], [⌊.⌊, Γ.⌊))
((⌊.Γ, Γ.Γ], [⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ], [⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.Γ], [⌊.⌊, Γ.⌊))
((⌊.Γ, Γ.Γ], [⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ], [⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.Γ))

[illegible]

$((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\perp))$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$
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 $((\perp.\perp, \top.\perp), (\perp.\perp, \top.\perp))$
 $((\perp.\perp, \top.\perp), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\perp), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp))$
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 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\perp), (\perp.\perp, \top.\perp))$
 $((\perp.\perp, \top.\perp), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\perp), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp))$

[illegible]

$([1, 7], [7, 7]), [1, 1], [1, 1])$
 $([1, 7], [7, 7]), [1, 1], [1, 7])$
 $([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [1, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [1, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 1], [1, 1]), ([1, 1], [1, 1]))$
 $([1, 1], [1, 1]), ([1, 1], [1, 7]))$
 $([1, 1], [1, 1]), ([1, 1], [7, 7]))$
 $([1, 1], [1, 1]), ([1, 7], [1, 1]))$
 $([1, 1], [1, 1]), ([1, 7], [7, 7]))$
 $([1, 1], [1, 1]), ([1, 7], [1, 1]))$
 $([1, 1], [1, 1]), ([1, 7], [7, 7]))$
 $([1, 1], [1, 1]), ([1, 7], [1, 1]))$
 $([1, 1], [1, 1]), ([1, 1], [1, 1]))$
 $([1, 1], [1, 1]), ([1, 1], [1, 7]))$
 $([1, 1], [1, 1]), ([1, 1], [7, 7]))$
 $([1, 1], [1, 1]), ([1, 7], [1, 1]))$
 $([1, 1], [1, 1]), ([1, 7], [7, 7]))$
 $([1, 1], [1, 1]), ([1, 7], [1, 1]))$

$([\perp, \top, \top, \perp], [\perp, \top, \top, \perp])$
 $([\perp, \top, \top, \perp], [\perp, \top, \top, \top])$
 $([\perp, \top, \top, \perp], [\perp, \top, \top, \top])$
 $([\perp, \top, \top, \top], (\perp, \perp, \top, \perp))$
 $([\perp, \top, \top, \top], (\perp, \perp, \top, \top))$
 $([\perp, \top, \top, \top], (\perp, \perp, \top, \top))$
 $([\perp, \top, \top, \top], (\perp, \top, \top, \perp))$
 $([\perp, \top, \top, \top], (\perp, \top, \top, \top))$
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 $([\perp, \top, \top, \top], (\perp, \top, \top, \perp))$
 $([\perp, \top, \top, \top], (\perp, \top, \top, \top))$
 $([\perp, \top, \top, \top], (\perp, \top, \top, \top))$
 $([\perp, \top, \top, \top], (\perp, \perp, \top, \perp))$
 $([\perp, \top, \top, \top], (\perp, \perp, \top, \top))$
 $([\perp, \top, \top, \top], (\perp, \perp, \top, \top))$
 $([\perp, \top, \top, \top], (\perp, \top, \top, \perp))$
 $([\perp, \top, \top, \top], (\perp, \top, \top, \top))$
 $([\perp, \top, \top, \top], (\perp, \top, \top, \top))$
 $([\perp, \top, \top, \top], (\perp, \top, \top, \perp))$
 $([\perp, \top, \top, \top], (\perp, \top, \top, \top))$
 $([\perp, \top, \top, \top], (\perp, \top, \top, \top))$
 $([\perp, \top, \top, \top], [\perp, \perp, \top, \perp])$
 $([\perp, \top, \top, \top], [\perp, \perp, \top, \top])$
 $([\perp, \top, \top, \top], [\perp, \perp, \top, \top])$
 $([\perp, \top, \top, \top], [\perp, \top, \top, \perp])$

[illegible]

$([1, 7], [7, 1], [1, 1], [7, 7])$

$([1, 7], [7, 1], [1, 1], [7, 7])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 7])$

$([1, 7], [7, 1], [1, 7], [7, 7])$

$([1, 7], [7, 1], [1, 7], [7, 1])$

$([1, 7], [7, 1], [1, 7], [7, 7])$

$([1, 7], [7, 1], [1, 7], [7, 7])$

7.4. $(([1, 1], [7, 1]), ([1, 7], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 1], [7, 1]))$

$(([1, 1], [7, 1]), ([1, 1], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 1], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 7], [7, 1]))$

$(([1, 1], [7, 1]), ([1, 7], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 7], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 7], [7, 1]))$

$(([1, 1], [7, 1]), ([1, 7], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 7], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 1], [7, 1]))$

$(([1, 1], [7, 1]), ([1, 1], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 1], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 7], [7, 1]))$

$(([1, 1], [7, 1]), ([1, 7], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 7], [7, 7]))$

$(([1, 1], [7, 1]), ([1, 7], [7, 1]))$

$((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$
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 $((\perp.\perp, \top.\perp), (\perp.\perp, \top.\top))$
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 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp))$
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 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\perp), (\perp.\top, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\perp, \top.\top))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$

$$((\sqcup, \sqcup, \sqcup), (\sqcup, \sqcup, \sqcup))$$
$$((\perp.\downarrow, \uparrow.\top), (\perp.\top, \uparrow.\downarrow))$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\top))$$
$$((\sqcup.\sqcup, \sqcap.\sqcap), (\sqcup.\sqcap, \sqcap.\sqcup))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp, \perp), (\perp, \top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor))$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\perp])$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\perp])$$
$$((\perp, \top], (\perp, \top])$$
$$((\perp.\perp, \top.\top), (\perp.\top, \top.\top])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\sqcup \cdot \sqcup, \sqcap \cdot \sqcap), [\sqcup \cdot \sqcup, \sqcap \cdot \sqcap))$$
$$((\sqcup, \sqcup, \sqcup, \sqcup), [\sqcup, \sqcup, \sqcup, \sqcup])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rceil, \lceil \cdot \rfloor])$$
$$((\sqcup \cdot \sqcup, \sqcap \cdot \sqcap), [\sqcup \cdot \sqcap, \sqcap \cdot \sqcap])$$
$$((\sqcup \cdot \sqcup, \sqcap \cdot \sqcap), [\sqcup \cdot \sqcap, \sqcap \cdot \sqcup])$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), [\lceil \cdot \rceil, \lceil \cdot \rceil])$$
$$((\sqcup.\sqcup, \sqcap.\sqcap), [\sqcup.\sqcap, \sqcap.\sqcap))$$
$$((\sqcup.\sqcup, \sqcap.\sqcap), [\sqcup.\sqcap, \sqcap.\sqcap))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\sqcup, \sqcup, \sqcup, \sqcup), [\sqcup, \sqcup, \sqcup, \sqcup])$$

$((\perp . \perp , \top . \top), [\perp . \perp , \top . \top])$
 $((\perp . \perp , \top . \top), [\perp . \perp , \top . \top])$
 $((\perp . \perp , \top . \top), [\perp . \top , \top . \perp])$
 $((\perp . \perp , \top . \top), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \top), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \top), [\perp . \top , \top . \perp])$
 $((\perp . \perp , \top . \top), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \top), [\perp . \perp , \top . \perp])$
 $((\perp . \perp , \top . \top), [\perp . \perp , \top . \top])$
 $((\perp . \perp , \top . \top), [\perp . \perp , \top . \top])$
 $((\perp . \perp , \top . \top), [\perp . \top , \top . \perp])$
 $((\perp . \perp , \top . \top), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \top), [\perp . \top , \top . \top])$
 $((\perp . \perp , \top . \top), [\perp . \top , \top . \perp])$
 $((\perp . \perp , \top . \top), [\perp . \top , \top . \top])$
 $((\perp . \top , \top . \perp), (\perp . \perp , \top . \perp))$
 $((\perp . \top , \top . \perp), (\perp . \perp , \top . \top))$
 $((\perp . \top , \top . \perp), (\perp . \perp , \top . \top))$
 $((\perp . \top , \top . \perp), (\perp . \top , \top . \perp))$
 $((\perp . \top , \top . \perp), (\perp . \top , \top . \top))$
 $((\perp . \top , \top . \perp), (\perp . \top , \top . \top))$
 $((\perp . \top , \top . \perp), (\perp . \top , \top . \perp))$
 $((\perp . \top , \top . \perp), (\perp . \top , \top . \top))$

((⌊ . Γ , Γ . ⌋) , [⌊ . ⌋ , Γ . ⌋])
((⌊ . Γ , Γ . ⌋) , [⌊ . ⌋ , Γ . Γ])
((⌊ . Γ , Γ . ⌋) , [⌊ . ⌋ , Γ . ⌋])
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . ⌋))
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . Γ))
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . ⌋))
((⌊ . Γ , Γ . Γ) , (⌊ . Γ , Γ . ⌋))
((⌊ . Γ , Γ . Γ) , (⌊ . Γ , Γ . Γ))
((⌊ . Γ , Γ . Γ) , (⌊ . Γ , Γ . ⌋))
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . ⌋))
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . Γ))
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . ⌋])
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . Γ])
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . ⌋])
((⌊ . Γ , Γ . Γ) , (⌊ . Γ , Γ . ⌋])
((⌊ . Γ , Γ . Γ) , (⌊ . Γ , Γ . Γ])
((⌊ . Γ , Γ . Γ) , (⌊ . Γ , Γ . ⌋])
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . ⌋])
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . Γ])
((⌊ . Γ , Γ . Γ) , (⌊ . ⌋ , Γ . ⌋])
((⌊ . Γ , Γ . Γ) , [⌊ . ⌋ , Γ . ⌋))
((⌊ . Γ , Γ . Γ) , [⌊ . ⌋ , Γ . Γ))
((⌊ . Γ , Γ . Γ) , [⌊ . ⌋ , Γ . ⌋))
((⌊ . Γ , Γ . Γ) , [⌊ . Γ , Γ . ⌋))

$((\perp.\top, \top.\perp), [\perp.\top, \top.\top])$
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 $((\perp.\top, \top.\perp), [\perp.\perp, \top.\perp])$
 $((\perp.\top, \top.\perp), [\perp.\perp, \top.\top])$
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 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$
 $((\perp.\top, \top.\top), (\perp.\perp, \top.\perp))$
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 $((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$
 $((\perp.\top, \top.\top), (\perp.\top, \top.\top))$

$$((\lceil . \rceil, \lceil . \rceil), (\lceil . \rceil, \lceil . \rceil))$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top))$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top))$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\perp))$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top))$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\lceil \cdot \rceil, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lfloor \cdot \rfloor))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\perp])$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top])$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top])$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\perp])$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top])$$
$$((\perp.\top, \top.\top), (\perp.\top, \top.\top])$$
$$((\sqcup.\top, \sqcap.\top), [\sqcup.\bot, \sqcap.\bot])$$
$$((\sqcup.\top, \top.\top), [\sqcup.\bot, \top.\top))$$
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$$((\perp.\top, \top.\top), [\perp.\top, \top.\perp])$$
$$((\sqcup \cdot \top, \top \cdot \top), [\sqcup \cdot \top, \top \cdot \top))$$
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$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), [\lfloor \cdot \rfloor, \lceil \cdot \rceil])$$
$$((\sqcup.\top, \top.\top), [\sqcup.\top, \top.\top))$$
$$((\perp.\top, \top.\top), [\perp.\top, \top.\top))$$

$((\perp.\top, \top.\top), [\perp.\perp, \top.\perp])$
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 $((\perp.\perp, \top.\perp], (\perp.\top, \top.\perp])$
 $((\perp.\perp, \top.\perp], (\perp.\top, \top.\top])$
 $((\perp.\perp, \top.\perp], (\perp.\top, \top.\top])$
 $((\perp.\perp, \top.\perp], (\perp.\top, \top.\perp])$

$((\perp.\perp, \top.\perp], (\perp.\top, \top.\top))$
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 $((\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])$
 $((\perp.\perp, \top.\perp], [\perp.\top, \top.\perp])$
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 $((\perp.\perp, \top.\perp], [\perp.\top, \top.\perp])$
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 $((\perp.\perp, \top.\top], (\perp.\top, \top.\top))$

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 $((\perp, \perp, \perp, \perp, \perp, \perp))$

((⌊ . Γ , Γ .⌋ , (⌊ . γ , Γ . γ))
((⌊ . Γ , Γ .⌋ , (⌊ . ⌋ , Γ .⌋))
((⌊ . Γ , Γ .⌋ , (⌊ . ⌋ , Γ . Γ))
((⌊ . Γ , Γ .⌋ , (⌊ . ⌋ , Γ . γ))
((⌊ . Γ , Γ .⌋ , (⌊ . Γ , Γ .⌋))
((⌊ . Γ , Γ .⌋ , (⌊ . Γ , Γ . Γ))
((⌊ . Γ , Γ .⌋ , (⌊ . Γ , Γ . γ))
((⌊ . Γ , Γ .⌋ , (⌊ . γ , Γ .⌋))
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((⌊ . Γ , Γ .⌋ , (⌊ . γ , Γ . γ))
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((⌊ . Γ , Γ .⌋ , [⌊ . ⌋ , Γ . γ))
((⌊ . Γ , Γ .⌋ , [⌊ . Γ , Γ .⌋))
((⌊ . Γ , Γ .⌋ , [⌊ . Γ , Γ . Γ))
((⌊ . Γ , Γ .⌋ , [⌊ . Γ , Γ . γ))
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((⌊ . Γ , Γ .⌋ , [⌊ . ⌋ , Γ .⌋))
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((⌊ . Γ , Γ .⌋ , [⌊ . ⌋ , Γ . γ))
((⌊ . Γ , Γ .⌋ , [⌊ . Γ , Γ .⌋))
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((⌊ . Γ , Γ .⌋ , [⌊ . Γ , Γ . γ))

$((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\perp])$
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 $((\perp . \Gamma, \Gamma.\neg], [\perp.\perp, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\neg], [\perp.\perp, \Gamma.\neg))$
 $((\perp . \Gamma, \Gamma.\neg], [\perp.\Gamma, \Gamma.\perp))$

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((⌊.7, ⌈.7], ⌊.7, ⌈.⌈))
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(⌊.⌋, ⌈.⌋), (⌊.⌈, ⌈.⌋))
(⌊.⌋, ⌈.⌋), (⌊.⌈, ⌈.⌈))
(⌊.⌋, ⌈.⌋), (⌊.⌈, ⌈.7))
(⌊.⌋, ⌈.⌋), (⌊.7, ⌈.⌋))
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(⌊.⌋, ⌈.⌋), (⌊.⌋, ⌈.⌈))
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(⌊.⌋, ⌈.⌋), (⌊.⌈, ⌈.⌈))
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$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$
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 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\perp])$
 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])$

$([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \Gamma, \perp)$
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 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \Gamma, \neg)$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \Gamma, \Gamma)$
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 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \Gamma, \Gamma))$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\perp}, \Gamma, \neg))$
 $([\perp]_{\perp}, \Gamma, \Gamma), ([\perp]_{\neg}, \Gamma, \perp))$

[illegible]

$$([\perp.\top, \top.\top], [\perp.\bot, \top.\bot])$$
$$([\perp.\top, \top.\top], [\perp.\perp, \top.\perp])$$
$$([\perp, \top, \top, \top], [\perp, \perp, \top, \top])$$
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$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \perp])$$
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$$([\perp \cdot \top, \top \cdot \top], [\perp \cdot \top, \top \cdot \top])$$
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$$([\perp.\top, \top.\top], ([\perp.\perp, \top.\perp]))$$
$$([\perp.\top, \top.\top], ([\perp.\perp, \top.\top]))$$
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$$([\perp.\top, \top.\top], ([\perp.\top, \top.\perp]))$$
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$$([\perp.\top, \top.\top], (\perp.\top, \top.\perp))$$
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$$([\perp, \top, \top, \top], ([\perp, \perp], [\top, \top]))$$
$$([\perp.\top, \top.\top], ([\perp.\perp, \top.\top]))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
 $([\perp, \top], [\perp, \top])$

$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$

$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$

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$\top.\perp$ 5. $([\perp.\perp, \top.\perp], [\perp.\top, \top.\top])$

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((א.ה, א.ה], (א.ה, א.ח))
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((א.ה, א.ה], [א.ח, א.ח])

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([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\neg$, Γ . $\neg$])

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([$\perp$. Γ , Γ . Γ], [$\perp$. Γ , Γ . Γ])
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