

Fortsetzung

1.

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

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

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

$$((\sqcup \cdot \sqsupset, \sqsupset \cdot \sqsupset), (\sqcup \cdot \sqsupset, \sqsupset \cdot \sqsupset))$$
$$((\sqcup, \sqcap, \sqcup, \sqcap), (\sqcup, \sqcap, \sqcup, \sqcap))$$
$$((\perp, \top, \top, \top), (\perp, \top, \top, \top))$$
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$$((\perp \cdot \top, \top \cdot \top), (\perp \cdot \top, \top \cdot \perp])$$
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$$((\sqcup, \sqcap, \sqcap, \sqcap), (\sqcup, \sqcap, \sqcap, \sqcap))$$
$$((\perp, \top, \top, \top), (\perp, \top, \top, \top))$$
$$((\perp \cdot \top, \top \cdot \top), (\perp \cdot \bot, \top \cdot \bot])$$
$$((\sqcup, \sqcap, \sqcap, \sqcap), [\sqcup, \sqcup, \sqcap, \sqcup])$$
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$((\perp, \perp, \top], [\perp, \perp])$
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((⌊ . 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 .⌋))
((⌊ . Γ , Γ . Γ), ⌊ . Γ , Γ . Γ))

[illegible]

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

[illegible]

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

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

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

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

[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 . ⊥])

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

$([1, 7], [1, 2], [1, 2], [1, 7])$
 $([1, 7], [1, 2], [1, 7], [1, 2])$
 $([1, 7], [1, 2], [1, 7], [1, 7])$
 $([1, 7], [1, 2], [1, 7], [1, 7])$
 $([1, 7], [1, 2], [1, 7], [1, 2])$
 $([1, 7], [1, 2], [1, 7], [1, 7])$
 $([1, 7], [1, 2], [1, 7], [1, 7])$
 $([1, 7], [1, 2], [1, 2], [1, 2])$
 $([1, 7], [1, 2], [1, 2], [1, 7])$
 $([1, 7], [1, 2], [1, 2], [1, 7])$
 $([1, 7], [1, 2], [1, 7], [1, 2])$
 $([1, 7], [1, 2], [1, 7], [1, 7])$
 $([1, 7], [1, 2], [1, 7], [1, 2])$
 $([1, 7], [1, 2], [1, 7], [1, 7])$
 $([1, 7], [1, 2], [1, 7], [1, 7])$
 $([1, 7], [1, 7], [1, 2], [1, 2])$
 $([1, 7], [1, 7], [1, 2], [1, 7])$
 $([1, 7], [1, 7], [1, 2], [1, 7])$
 $([1, 7], [1, 7], [1, 7], [1, 2])$
 $([1, 7], [1, 7], [1, 7], [1, 7])$
 $([1, 7], [1, 7], [1, 7], [1, 7])$
 $([1, 7], [1, 7], [1, 7], [1, 2])$
 $([1, 7], [1, 7], [1, 7], [1, 7])$
 $([1, 7], [1, 7], [1, 7], [1, 7])$

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$([c, d], [g, h])$

$([c, d], [i, j])$

$([c, d], [k, l])$

$([c, d], [m, n])$

$([c, d], [o, p])$

$([c, d], [q, r])$

$([c, d], [s, t])$

$([c, d], [u, v])$

$([c, d], [w, x])$

$([c, d], [y, z])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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 ((א.ה, א.ה], (א.ה, א.ה))

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

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

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

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

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

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

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

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

[illegible]

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

((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌋))
((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌋))
((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌋), (⌊.⌋, ⌈.⌋))
((⌊.⌈, ⌈.⌋), (⌊.⌋, ⌈.⌈))
((⌊.⌈, ⌈.⌋), (⌊.⌋, ⌈.⌈))
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((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌋))
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((⌊.⌈, ⌈.⌋), (⌊.⌋, ⌈.⌋))

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

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

((⌊.Γ,Γ.Π,⌊.Γ,Γ.Π))
 ((⌊.Γ,Γ.Π,⌊.Γ,Γ.Π))
 ((⌊.Γ,Γ.Π,⌊.⌋,Γ.⌋))
 ((⌊.Γ,Γ.Π,⌊.⌋,Γ.Π))
 ((⌊.Γ,Γ.Π,⌊.⌋,Γ.Γ))
 ((⌊.Γ,Γ.Π,⌊.Γ,Γ.⌋))
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 ((⌊.Γ,Γ.Π,⌊.Γ,Γ.Γ))
 ((⌊.Γ,Γ.Π,⌊.Γ,Γ.⌋))
 ((⌊.Γ,Γ.Π,⌊.Γ,Γ.Π))
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 ((⌊.Γ,Γ.Γ,⌊.⌋,Γ.⌋))
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 ((⌊.Γ,Γ.Γ,⌊.Γ,Γ.Π))
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 ((⌊.Γ,Γ.Γ,⌊.Γ,Γ.⌋))
 ((⌊.Γ,Γ.Γ,⌊.Γ,Γ.Π))
 ((⌊.Γ,Γ.Γ,⌊.Γ,Γ.Γ))
 ((⌊.Γ,Γ.Γ,⌊.⌋,Γ.⌋))
 ((⌊.Γ,Γ.Γ,⌊.⌋,Γ.Π))
 ((⌊.Γ,Γ.Γ,⌊.⌋,Γ.Γ))
 ((⌊.Γ,Γ.Γ,⌊.Γ,Γ.⌋))
 ((⌊.Γ,Γ.Γ,⌊.Γ,Γ.Π))

[illegible]

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

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

([$\perp$. 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])

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$([\perp]_{\perp}, \top_{\perp}), [\perp]_{\perp}, \top_{\perp})$
 $([\perp]_{\perp}, \top_{\perp}), [\perp]_{\perp}, \top_{\top})$
 $([\perp]_{\perp}, \top_{\perp}), [\perp]_{\perp}, \top_{\top})$
 $([\perp]_{\perp}, \top_{\perp}), [\perp]_{\top}, \top_{\perp})$
 $([\perp]_{\perp}, \top_{\perp}), [\perp]_{\top}, \top_{\top})$
 $([\perp]_{\perp}, \top_{\perp}), [\perp]_{\top}, \top_{\top})$
 $([\perp]_{\perp}, \top_{\perp}), [\perp]_{\top}, \top_{\perp})$
 $([\perp]_{\perp}, \top_{\perp}), [\perp]_{\top}, \top_{\top})$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\perp}, \top_{\perp}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\perp}, \top_{\top}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\perp}, \top_{\top}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\top}, \top_{\perp}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\top}, \top_{\top}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\top}, \top_{\perp}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\top}, \top_{\top}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\perp}, \top_{\perp}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\perp}, \top_{\top}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\perp}, \top_{\top}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\top}, \top_{\perp}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\top}, \top_{\top}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\top}, \top_{\perp}))$
 $([\perp]_{\perp}, \top_{\top}), ([\perp]_{\top}, \top_{\perp}))$

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

$$([\perp.\top, \top.\top], [\perp.\bot, \top.\perp])$$
$$([\perp, \top, \top, \top], [\perp, \top, \top, \top])$$
$$([\sqcup, \sqcap], [\sqcup, \sqcap], [\sqcup, \sqcap])$$
$$([\perp.\top, \top.\top], ([\perp.\perp, \top.\perp]))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
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$$([\perp \cdot \top, \top \cdot \top], (\perp \cdot \top, \top \cdot \top))$$
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$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil))$$
$$(\lceil \cdot \rceil, \lceil \cdot \rceil), (\lceil \cdot \rceil, \lceil \cdot \rceil)$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rceil, \lceil \cdot \rfloor)$$
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 $([a, b], [c, f])$
 $([a, b], [c, g])$
 $([a, b], [d, e])$
 $([a, b], [d, f])$
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 $([a, b], [f, g])$
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 $([c, d], [e, g])$
 $([c, d], [e, h])$
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 $([k, l], [m, o])$
 $([k, l], [n, o])$
 $([l, m], [n, o])$

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

((⌊.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.⌊))

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

$7. 04. ([1, 1], [7, 1], [1, 7], [1, 7])$

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

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

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

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

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

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

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

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

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

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

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

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

((א.ה, ב.ב, ג.ג, ד.ד))
((א.ה, ב.ב, ג.ד, ד.ג))
((א.ה, ב.ב, ג.ד, ד.ד))
((א.ה, ב.ב, ג.ג, ד.ד))
((א.ה, ב.ב, ג.ה, ד.ג))
((א.ה, ב.ב, ג.ה, ד.ד))
((א.ה, ב.ב, ג.ה, ד.ה))
((א.ה, ב.ה, ג.ג, ד.ג))
((א.ה, ב.ה, ג.ג, ד.ד))
((א.ה, ב.ה, ג.ג, ד.ה))
((א.ה, ב.ה, ג.ד, ד.ג))
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((א.ה, ב.ה, ג.ה, ד.ה))
((א.ה, ב.ה, ג.ג, ד.ג))
((א.ה, ב.ה, ג.ג, ד.ד))
((א.ה, ב.ה, ג.ג, ד.ה))
((א.ה, ב.ה, ג.ד, ד.ג))
((א.ה, ב.ה, ג.ד, ד.ד))
((א.ה, ב.ה, ג.ד, ד.ה))
((א.ה, ב.ה, ג.ה, ד.ג))
((א.ה, ב.ה, ג.ה, ד.ד))
((א.ה, ב.ה, ג.ה, ד.ה))

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

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

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

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

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

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 $([1, 7], [1, 7], [1, 7], [1, 2])$
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 $([1, 7], [1, 7], [1, 7], [1, 7])$
 $([1, 7], [1, 7], [1, 7], [1, 2])$
 $([1, 7], [1, 7], [1, 7], [1, 7])$

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$([1, 2], [2, 3], [1, 2, 4])$

$([1, 2], [2, 3], [1, 2, 3])$

$([1, 2], [2, 3], [1, 2, 2])$

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$([1, 2], [2, 3], [1, 4, 3])$

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$([1, 2], [2, 3], [1, 3, 3])$

$([1, 2], [2, 3], [1, 3, 2])$

$([1, 2], [2, 3], [1, 2, 4])$

$([1, 2], [2, 3], [1, 2, 3])$

$([1, 2], [2, 3], [1, 2, 2])$

05. $([1, 4], [2, 3], [1, 3, 2])$

$([1, 4], [2, 3]), ([1, 4], [2, 3])$

$([1, 4], [2, 3]), ([1, 4], [3, 2])$

$([1, 4], [2, 3]), ([1, 4], [2, 4])$

$([1, 4], [2, 3]), ([1, 3, 4])$

$([1, 4], [2, 3]), ([1, 3, 2])$

$([1, 4], [2, 3]), ([1, 3, 4])$

$([1, 4], [2, 3]), ([1, 2, 4])$

$([1, 4], [2, 3]), ([1, 2, 3])$

$([1, 4], [2, 3]), ([1, 2, 2])$

$([1, 4], [2, 3]), ([1, 4], [2, 3])$

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

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

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

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

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

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

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([1.7, 1.7], [1.7, 1.2])
([1.7, 1.7], [1.7, 1.7])
([1.7, 1.7], [1.1, 1.1])
([1.7, 1.7], [1.1, 1.2])
([1.7, 1.7], [1.1, 1.7])
([1.7, 1.7], [1.2, 1.1])
([1.7, 1.7], [1.2, 1.2])
([1.7, 1.7], [1.2, 1.7])
([1.7, 1.7], [1.7, 1.1])
([1.7, 1.7], [1.7, 1.2])
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([1.7, 1.7], [1.1, 1.1])
([1.7, 1.7], [1.1, 1.2])
([1.7, 1.7], [1.1, 1.7])
([1.7, 1.7], [1.2, 1.1])
([1.7, 1.7], [1.2, 1.2])
([1.7, 1.7], [1.2, 1.7])
([1.7, 1.7], [1.7, 1.1])

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

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

([⊥ . 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])

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

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

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

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

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

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

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

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

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

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

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

06. $([1.7], [1.7], [1.7], [1.7])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌊))
((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌊), ⌊.⌊, ⌈.⌊))
((⌊.⌈, ⌈.⌊), ⌊.⌊, ⌈.⌈))
((⌊.⌈, ⌈.⌊), ⌊.⌊, ⌈.⌈))
((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌊))
((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌊))
((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌊), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌊, ⌈.⌊))
((⌊.⌈, ⌈.⌈), ⌊.⌊, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌊, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌊))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌊))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌊, ⌈.⌊))
((⌊.⌈, ⌈.⌈), ⌊.⌊, ⌈.⌈))
((⌊.⌈, ⌈.⌈), ⌊.⌊, ⌈.⌈))

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

[illegible]

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

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7.7 07. $([1.7, 7.7], [1.7, 7.7])$

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

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

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

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

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

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

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

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

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

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

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

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$\top.\perp$ 08. $(([\perp.\perp, \top.\top], [\perp.\top, \top.\top])$

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

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

[illegible]

((⌊ . 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 . 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 . 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 . Π , [⌊ . ⊥ , Γ . ⊥))

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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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$$((\sqcup \cdot \sqsupset, \sqsupset \cdot \sqsupset), [\sqcup \cdot \sqsupset, \sqsupset \cdot \sqsupset])$$

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$((\perp . \Gamma, \Gamma . \Pi, (\perp . \neg, \Gamma . \Gamma))$
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((⌊.Γ, Γ.Π, ⌊.Γ, Γ.Γ))
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[illegible]

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

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

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

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 $([a, b], [e, e])$
 $[a, b] \cap [c, d] = \emptyset, ([c, a], [c, d])$
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$((\perp, \top, \perp), (\perp, \top, \perp))$

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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 $([1, 7], [1, 2], [1, 7], [1, 2])$
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 $([1, 7], [1, 2], [1, 7], [1, 7])$
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[illegible]

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

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((\gamma, \beta, \gamma), [\alpha, \beta])
((\gamma, \beta, \gamma), [\alpha, \gamma])

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

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

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

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

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

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[illegible]

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[illegible]

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

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

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

[illegible]

[illegible]

[illegible]

$([1, 7], [7, 1], [1, 1], [7, 7])$
 $([1, 7], [7, 7], [1, 7], [1, 1])$
 $([1, 7], [7, 7], [1, 7], [7, 7])$
 $([1, 7], [7, 7], [1, 7], [7, 7])$
 $([1, 7], [7, 7], [1, 7], [1, 1])$
 $([1, 7], [7, 7], [1, 7], [7, 7])$
 $([1, 7], [7, 7], [1, 7], [7, 7])$
 $7, 1, 1, 7, (([1, 7], [1, 1]), ([1, 7], [7, 7]))$
 $(([1, 1], [1, 1]), ([1, 1], [1, 1]))$
 $(([1, 1], [1, 1]), ([1, 1], [7, 7]))$
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 $(([1, 1], [1, 1]), ([1, 1], [7, 7]))$
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 $((\perp, \top, \perp, \perp), (\top, \top, \top, \top))$

[illegible]

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

((⌊.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))
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((⌊.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.⌊))

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

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

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

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

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

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

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

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([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])
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([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])

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

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

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

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

$\top.\perp \vdash 4. ((\perp.\top, \top.\perp], (\perp.\top, \top.\top))$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

((⌊.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))
((⌊.Γ,Γ.⌈,⌊.⌋,Γ.⌈))
((⌊.Γ,Γ.⌈,⌊.Γ,Γ.⌋))
((⌊.Γ,Γ.⌈,⌊.Γ,Γ.Γ))
((⌊.Γ,Γ.⌈,⌊.Γ,Γ.⌈))
((⌊.Γ,Γ.⌈,⌊.⌈,Γ.⌋))
((⌊.Γ,Γ.⌈,⌊.⌈,Γ.Γ))
((⌊.Γ,Γ.⌈,⌊.⌈,Γ.⌈))
((⌊.Γ,Γ.⌈,⌊.⌋,Γ.⌋))
((⌊.Γ,Γ.⌈,⌊.⌋,Γ.Γ))
((⌊.Γ,Γ.⌈,⌊.⌋,Γ.⌈))
((⌊.Γ,Γ.⌈,⌊.Γ,Γ.⌋))
((⌊.Γ,Γ.⌈,⌊.Γ,Γ.Γ))
((⌊.Γ,Γ.⌈,⌊.Γ,Γ.⌈))
((⌊.Γ,Γ.⌈,⌊.⌈,Γ.⌋))

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

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

([$\perp$. 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 . $\perp$])
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\neg$, Γ . Γ])
([$\perp$. Γ , Γ . $\neg$), ($\perp$. $\neg$, Γ . $\neg$])
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$([1, 7], [7, 7]), ([1, 1], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 1])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 1])$
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 $([1, 7], [7, 7]), ([1, 1], [7, 7])$
 $([1, 7], [7, 7]), ([1, 1], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 1])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 1])$
 $([1, 7], [7, 7]), ([1, 1], [7, 1])$
 $([1, 7], [7, 7]), ([1, 1], [7, 7])$
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 $([1, 7], [7, 7]), ([1, 1], [7, 1])$
 $([1, 7], [7, 7]), ([1, 1], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 1])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$
 $([1, 7], [7, 7]), ([1, 7], [7, 1])$
 $([1, 7], [7, 7]), ([1, 7], [7, 7])$

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

[illegible]

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

[illegible]

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

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

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

[illegible]

$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$
$$([\perp.\top, \top.\top], (\perp.\top, \top.\top))$$
$$([\perp.\top, \top.\top], (\perp.\top, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$([\perp.\top, \top.\top], ([\perp.\top, \top.\top]))$$
$$(\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil)$$
$$([\perp.\top, \top.\top], [\perp.\perp, \top.\perp]))$$
$$([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$([\sqcup.\top, \top.\top], [\sqcup.\top, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top]))$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp]))$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top))$$
 $([\perp.\top, \top.\top], [\perp.\perp, \top.\perp])$ $([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$ $([\perp.\top, \top.\top], [\perp.\perp, \top.\top])$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
$$([\sqcup.\top, \top.\top], [\sqcup.\top, \top.\top])$$
 $([\perp.\top, \top.\top], [\perp.\top, \top.\top])$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$$
 $([\perp.\top, \top.\top], [\perp.\top, \top.\top])$
$$([\perp.\top, \top.\top], [\perp.\top, \top.\top])$$
$$\neg .\downarrow \downarrow 5. ((\downarrow . \uparrow, \uparrow . \downarrow], (\downarrow . \neg, \uparrow . \downarrow))$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

[illegible]

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

