

Fortsetzung

1.

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

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

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

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

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

[illegible]

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

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

([⊥ . ⊤, ⊤.⊥], [⊥.⊥, ⊤.⊤]))
([⊥ . ⊤, ⊤.⊥], [⊥ . ⊤, ⊤.⊥]))
([⊥ . ⊤, ⊤.⊥], [⊥ . ⊤, ⊤.⊤]))
([⊥ . ⊤, ⊤.⊥], [⊥ . ⊤, ⊤.⊤]))
([⊥ . ⊤, ⊤.⊥], [⊥.⊤, ⊤.⊥]))
([⊥ . ⊤, ⊤.⊥], [⊥.⊤, ⊤.⊤]))
([⊥ . ⊤, ⊤.⊥], [⊥.⊤, ⊤.⊤]))
([⊥ . ⊤, ⊤.⊥], [⊥.⊥, ⊤.⊥]))
([⊥ . ⊤, ⊤.⊥], [⊥.⊥, ⊤.⊤]))
([⊥ . ⊤, ⊤.⊥], [⊥.⊥, ⊤.⊤]))
([⊥ . ⊤, ⊤.⊥], [⊥ . ⊤, ⊤.⊥]))
([⊥ . ⊤, ⊤.⊥], [⊥ . ⊤, ⊤.⊤]))
([⊥ . ⊤, ⊤.⊥], [⊥ . ⊤, ⊤.⊤]))
([⊥ . ⊤, ⊤.⊥], [⊥.⊤, ⊤.⊥]))
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([⊥ . ⊤, ⊤.⊥], [⊥.⊤, ⊤.⊤]))
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([⊥ . ⊤, ⊤.⊤], (⊥.⊥, ⊤.⊤)))
([⊥ . ⊤, ⊤.⊤], (⊥.⊥, ⊤.⊤)))
([⊥ . ⊤, ⊤.⊤], (⊥ . ⊤, ⊤.⊥)))
([⊥ . ⊤, ⊤.⊤], (⊥ . ⊤, ⊤.⊤)))
([⊥ . ⊤, ⊤.⊤], (⊥ . ⊤, ⊤.⊤)))
([⊥ . ⊤, ⊤.⊤], (⊥.⊤, ⊤.⊥)))
([⊥ . ⊤, ⊤.⊤], (⊥.⊤, ⊤.⊤)))
([⊥ . ⊤, ⊤.⊤], (⊥.⊤, ⊤.⊤)))

[illegible]

[illegible]

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

$([1, 7], [7, 7]), [1, 1], [7, 1])$
 $([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 1], [7, 1])$
 $([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 1], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 1])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 7], [7, 7]), [1, 7], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 1])$
 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 1], [7, 7])$
 $([1, 1], [7, 1]), ([1, 7], [7, 1])$
 $([1, 1], [7, 1]), ([1, 7], [7, 7])$
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 $([1, 1], [7, 1]), ([1, 7], [7, 1])$
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([1.1], [1.7], [1.7], [1.1])
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([1.1], [1.7], [1.7], [1.7])

[illegible]

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

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

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

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

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

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

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

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

7. 58. $([a, c], [d, e])$

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

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

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

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

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[illegible]

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$$((\lceil \cdot \rceil, \rceil \cdot \rfloor), [\lceil \cdot \rfloor, \rceil \cdot \rfloor))$$
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$$((\lceil \cdot \rceil, \rceil \cdot \rfloor), [\lfloor \cdot \rfloor, \rfloor \cdot \lceil])$$
$$((\lceil \cdot \rceil, \rceil \cdot \rfloor), [\lceil \cdot \rfloor, \rceil \cdot \lceil])$$
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$$((\perp \cdot \top, \top \cdot \perp], [\perp \cdot \top, \top \cdot \top])$$
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$$((\sqcup, \sqcap, \sqcup, \sqcap), [\sqcup, \sqcap, \sqcup, \sqcap])$$
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$$((\sqcup \cdot \sqsupset, \sqsupset \cdot \sqcup), (\sqcup \cdot \sqsupset, \sqsupset \cdot \sqcup))$$
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$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
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$((\perp . \Gamma, \Gamma . \Pi, (\perp . \Gamma, \Gamma . \Gamma))$
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((⌊.Γ, Γ.Γ], [⌊.⌊, Γ.⌊])
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((א.ה, ב.ה], [א.ב, ב.ה])
((א.ה, ב.ה], [א.ה, ב.א])
((א.ה, ב.ה], [א.ה, ב.ב])
((א.ה, ב.ה], [א.ה, ב.ה])
((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])
((א.ה, ב.ה], [א.ה, ב.א])
((א.ה, ב.ה], [א.ה, ב.ב])
((א.ה, ב.ה], [א.ה, ב.ה])
((א.ה, ב.ה], [א.א, ב.א])

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

([⊥ . ⊤ , ⊤ . ⊥], [⊥ . ⊥ , ⊤ . ⊤])
([⊥ . ⊤ , ⊤ . ⊥], [⊥ . ⊥ , ⊤ . ⊤])
([⊥ . ⊤ , ⊤ . ⊥], [⊥ . ⊤ , ⊤ . ⊥])
([⊥ . ⊤ , ⊤ . ⊥], [⊥ . ⊤ , ⊤ . ⊤])
([⊥ . ⊤ , ⊤ . ⊥], [⊥ . ⊤ , ⊤ . ⊥])
([⊥ . ⊤ , ⊤ . ⊥], [⊥ . ⊥ , ⊤ . ⊥])
([⊥ . ⊤ , ⊤ . ⊥], [⊥ . ⊥ , ⊤ . ⊤])
([⊥ . ⊤ , ⊤ . ⊥], [⊥ . ⊥ , ⊤ . ⊥])
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊥))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊤))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊥))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊤ , ⊤ . ⊥))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊤ , ⊤ . ⊤))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊤ , ⊤ . ⊥))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊥))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊤))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊥))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊤))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊥))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊤))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊥))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊤))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊥))
([⊥ . ⊤ , ⊤ . ⊤], (⊥ . ⊥ , ⊤ . ⊤))

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$7. \text{ } \mathbf{59.} ([1, 7], [7, 1], [1, 7], [7, 1])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

((ג.ה , ד.ד], [ג.ה , ד.ד])
 ((ג.ה , ד.ד], [ג.ה , ד.ה])
 ((ג.ה , ד.ה], (ג.ג , ד.ג))
 ((ג.ה , ד.ה], (ג.ג , ד.ד))
 ((ג.ה , ד.ה], (ג.ג , ד.ה))
 ((ג.ה , ד.ה], (ג.ד , ד.ג))
 ((ג.ה , ד.ה], (ג.ד , ד.ד))
 ((ג.ה , ד.ה], (ג.ד , ד.ה))
 ((ג.ה , ד.ה], (ג.ה , ד.ג))
 ((ג.ה , ד.ה], (ג.ה , ד.ד))
 ((ג.ה , ד.ה], (ג.ה , ד.ה))
 ((ג.ה , ד.ה], (ג.ג , ד.ג])
 ((ג.ה , ד.ה], (ג.ג , ד.ד])
 ((ג.ה , ד.ה], (ג.ג , ד.ה])
 ((ג.ה , ד.ה], (ג.ד , ד.ג])
 ((ג.ה , ד.ה], (ג.ד , ד.ד])
 ((ג.ה , ד.ה], (ג.ד , ד.ה])
 ((ג.ה , ד.ה], (ג.ה , ד.ג])
 ((ג.ה , ד.ה], (ג.ה , ד.ד])
 ((ג.ה , ד.ה], (ג.ה , ד.ה])
 ((ג.ה , ד.ה], [ג.ג , ד.ג))
 ((ג.ה , ד.ה], [ג.ג , ד.ד))
 ((ג.ה , ד.ה], [ג.ג , ד.ה))
 ((ג.ה , ד.ה], [ג.ד , ד.ג))
 ((ג.ה , ד.ה], [ג.ד , ד.ד))

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

([⊥ . 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.⊥]))

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

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

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

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

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

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

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

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

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

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

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

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7.760. $([1.7, 7.7], [1.7, 7.7])$

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

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

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((\text{A}, \text{B}), (\text{D}, \text{C}))
((\text{A}, \text{B}), (\text{D}, \text{D}))

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$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$
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$([\perp]_{\perp}, \Gamma_{\perp}, [\perp]_{\perp}, \Gamma_{\perp})$
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((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌋))
((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌋), (⌊.⌈, ⌈.⌈))
((⌊.⌈, ⌈.⌋), (⌊.⌋, ⌈.⌋))

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

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

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

[illegible]

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

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

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

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

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

[illegible]

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

[illegible]

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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[illegible]

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[illegible]

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

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

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

$([a, b], [c, d])$
 $([a, b], [c, e])$
 $([a, b], [c, f])$
 $([a, b], [c, g])$
 $([a, b], [d, e])$
 $([a, b], [d, f])$
 $([a, b], [d, g])$
 $([a, b], [e, f])$
 $([a, b], [e, g])$
 $([a, b], [f, g])$
 $([a, b], [h, i])$
 $([a, b], [h, j])$
 $([a, b], [h, k])$
 $([a, b], [i, j])$
 $([a, b], [i, k])$
 $([a, b], [j, k])$
 $([a, b], [l, m])$
 $([a, b], [l, n])$
 $([a, b], [l, o])$
 $([a, b], [m, n])$
 $([a, b], [m, o])$
 $([a, b], [n, o])$
 $([c, d], [e, f])$
 $([c, d], [e, g])$
 $([c, d], [e, h])$
 $([c, d], [f, g])$
 $([c, d], [f, h])$
 $([c, d], [g, h])$
 $([c, d], [i, j])$
 $([c, d], [i, k])$
 $([c, d], [j, k])$
 $([c, d], [l, m])$
 $([c, d], [l, n])$
 $([c, d], [l, o])$
 $([c, d], [m, n])$
 $([c, d], [m, o])$
 $([c, d], [n, o])$
 $([e, f], [g, h])$
 $([e, f], [g, i])$
 $([e, f], [g, j])$
 $([e, f], [h, i])$
 $([e, f], [h, j])$
 $([e, f], [i, j])$
 $([e, f], [k, l])$
 $([e, f], [k, m])$
 $([e, f], [k, n])$
 $([e, f], [l, m])$
 $([e, f], [l, n])$
 $([e, f], [m, n])$
 $([g, h], [i, j])$
 $([g, h], [i, k])$
 $([g, h], [j, k])$
 $([g, h], [l, m])$
 $([g, h], [l, n])$
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 $([h, i], [j, l])$
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 $([i, j], [l, m])$
 $([i, j], [l, n])$
 $([i, j], [m, n])$
 $([j, k], [l, m])$
 $([j, k], [l, n])$
 $([j, k], [m, n])$
 $([k, l], [m, n])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

((\gamma, \beta, \gamma, \beta))
((\gamma, \beta, \gamma, \gamma))
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((\gamma, \beta, \beta, \gamma))
((\gamma, \beta, \beta, \gamma))
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((\gamma, \beta, \gamma, \gamma))
((\gamma, \beta, \gamma, \beta))
((\gamma, \beta, \gamma, \gamma))
((\gamma, \beta, \gamma, \beta))
((\gamma, \beta, \gamma, \beta))
((\gamma, \beta, \gamma, \beta))

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

7. 64. $([1, 7], [1, 7], [1, 1], [1, 7])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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 $([1, 7], [1, 2], [1, 7], [1, 7])$
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$([1, 2], [2, 3], [1, 3, 2])$

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

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

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

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

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

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

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

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

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

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

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

$7. 65. ([1, 2, 3], [1, 3, 4])$

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

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

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

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

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

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

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

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

[illegible]

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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])

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

[illegible]

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

$(\lfloor . \top, \top . \rfloor), (\lfloor . \top, \top . \neg))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \rfloor))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \top))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \neg))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \rfloor, \top . \rfloor))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \rfloor, \top . \top))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \rfloor, \top . \neg))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \top, \top . \rfloor))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \top, \top . \top))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \top, \top . \neg))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \rfloor))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \top))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \neg))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \top))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \neg))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \top, \top . \rfloor))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \top, \top . \top))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \top, \top . \neg))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \rfloor))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \top))$
 $(\lfloor . \top, \top . \rfloor), (\lfloor . \neg, \top . \neg))$

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

7. 66. $([1.7], [1.7], [1.7], [1.7])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 $([1, 1], [7, 1]), ([1, 7], [7, 7]))$
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 $([1, 1], [7, 1]), ([1, 7], [7, 7]))$
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([⊥ . Γ, Γ.⊥], (⊥ .Γ, Γ.Γ))
([⊥ . Γ, Γ.⊥], (⊥ .Γ, Γ.Γ))
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([⊥ . Γ, Γ.⊥], [⊥ .⊥ , Γ.Γ))
([⊥ . Γ, Γ.⊥], [⊥ .⊥ , Γ.Γ))
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([⊥ . Γ, Γ.⊥], [⊥ .Γ, Γ.⊥))
([⊥ . Γ, Γ.⊥], [⊥ .Γ, Γ.Γ))
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([⊥ . 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])
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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])
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([⊥ . Γ , Γ . Γ] , [⊥ . ⊥ , Γ . γ]))
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . ⊥]))
([⊥ . Γ , Γ . Γ] , [⊥ . Γ , Γ . Γ]))
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[illegible]

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

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

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

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

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

7.767. $([1.7, 7.7], [1.7, 7.7])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

$\top.\top$ 68. $([\perp.\top, \top.\top], [\perp.\top, \top.\top])$

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

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

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

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

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

[illegible]

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

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

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

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

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

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

[illegible]

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

((⌊.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.⌊))

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

[illegible]

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

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

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([⊥ . Γ , Γ . Γ] , (⊥ . ⊥ , Γ . Γ])

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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((⌊.Γ,Γ.Π,⌊.⌋,Γ.Γ))
((⌊.Γ,Γ.Π,⌊.Γ,Γ.⌋))
((⌊.Γ,Γ.Π,⌊.Γ,Γ.Π))
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((א.ה, ב.ב), (א.א, ב.ב))
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([$\perp$. 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 . $\neg$])
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([$\perp$. Γ , Γ . $\perp$) , [$\perp$. Γ , Γ . Γ])
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$([\perp]_{\perp}, \Gamma_{\perp}), ([\perp]_{\perp}, \Gamma_{\perp})$
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 $([\perp]_{\perp}, \Gamma_{\perp}), ([\perp]_{\top}, \Gamma_{\top}))$
 $([\perp]_{\perp}, \Gamma_{\perp}), ([\perp]_{\top}, \Gamma_{\neg}))$
 $([\perp]_{\perp}, \Gamma_{\perp}), ([\perp]_{\neg}, \Gamma_{\perp}))$

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

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

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

[illegible]

[illegible]

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

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((⌊.Γ,Γ.Γ), [⌊.⌊,Γ.Γ))

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

[illegible]

((⌊.⌋, ⌈.⌈], (⌊.⌈, ⌈.⌋])
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((⌊.⌋, ⌈.⌈], (⌊.⌈, ⌈.⌈])
((⌊.⌋, ⌈.⌈], (⌊.⌈, ⌈.⌋])
((⌊.⌋, ⌈.⌈], (⌊.⌈, ⌈.⌈])
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$((\perp, \top, \top, \perp], (\perp, \perp, \top, \top))$
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$(\lfloor . \Gamma, \Gamma. \Gamma), \lfloor . \Delta, \Gamma. \Delta))$
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 $(\lfloor . \Gamma, \Gamma. \Gamma), \lfloor . \Gamma, \Gamma. \Delta))$
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 $(\lfloor . \Gamma, \Gamma. \Gamma), \lfloor . \neg, \Gamma. \Delta))$
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 $(\lfloor . \Gamma, \Gamma. \Gamma), \lfloor . \neg, \Gamma. \neg))$
 $(\lfloor . \Gamma, \Gamma. \Gamma), \lfloor . \Delta, \Gamma. \Delta))$
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 $(\lfloor . \Gamma, \Gamma. \Gamma), \lfloor . \Gamma, \Gamma. \Delta))$
 $(\lfloor . \Gamma, \Gamma. \Gamma), \lfloor . \Gamma, \Gamma. \Gamma))$
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 $(\lfloor . \Gamma, \Gamma. \Gamma), \lfloor . \neg, \Gamma. \Delta))$
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$([a, b], [a, b])$
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 $([a, b], [a, a])$
 $([a, b], [a, b])$
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 $([a, b], [a, b])$
 $([a, b], [a, b])$
 $a, b \in ([a, b], [a, a], [a, b])$
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 $([a, a], [a, a]), ([a, a], [a, b])$
 $([a, a], [a, a]), ([a, b], [a, a])$
 $([a, a], [a, a]), ([a, b], [a, b])$
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 $([a, a], [a, a]), ([a, a], [a, b])$
 $([a, a], [a, a]), ([a, a], [a, a])$

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

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

[illegible]

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

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

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

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

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

[illegible]

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

[illegible]

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

[illegible]

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

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

[illegible]

[illegible]

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

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

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

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

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

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

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

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

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

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

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[illegible]

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[illegible]

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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((\ .7 , \ .7), (\ .7 , \ .7))
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((\ .7 , \ .7), [\ .\ , \ .\))
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((\ .7 , \ .7), [\ .\ , \ .\))
((\ .7 , \ .7), [\ .\ , \ .7))
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((\ .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))

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

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

[illegible]

$([\perp]_-, \Gamma_-), [\perp]_+, \Gamma_+))$
 $([\perp]_-, \Gamma_-), [\perp]_-, \Gamma_-)$
 $([\perp]_-, \Gamma_-), [\perp]_-, \Gamma_+)$
 $([\perp]_-, \Gamma_-), [\perp]_-, \Gamma_+)$
 $([\perp]_-, \Gamma_-), [\perp]_+, \Gamma_-)$
 $([\perp]_-, \Gamma_-), [\perp]_+, \Gamma_+)$
 $([\perp]_-, \Gamma_-), [\perp]_+, \Gamma_+)$
 $([\perp]_-, \Gamma_-), [\perp]_+, \Gamma_-)$
 $([\perp]_-, \Gamma_-), [\perp]_+, \Gamma_+)$
 $([\perp]_-, \Gamma_-), [\perp]_+, \Gamma_+)$
 $([\perp]_-, \Gamma_+), ([\perp]_-, \Gamma_+))$
 $([\perp]_-, \Gamma_+), ([\perp]_-, \Gamma_-))$
 $([\perp]_-, \Gamma_+), ([\perp]_+, \Gamma_-))$
 $([\perp]_-, \Gamma_+), ([\perp]_+, \Gamma_+))$
 $([\perp]_-, \Gamma_+), ([\perp]_+, \Gamma_-))$
 $([\perp]_-, \Gamma_+), ([\perp]_+, \Gamma_+))$
 $([\perp]_-, \Gamma_+), ([\perp]_-, \Gamma_-))$
 $([\perp]_-, \Gamma_+), ([\perp]_-, \Gamma_+))$
 $([\perp]_-, \Gamma_+), ([\perp]_-, \Gamma_-))$
 $([\perp]_-, \Gamma_+), ([\perp]_+, \Gamma_-))$
 $([\perp]_-, \Gamma_+), ([\perp]_+, \Gamma_+))$
 $([\perp]_-, \Gamma_+), ([\perp]_+, \Gamma_-))$

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

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

[illegible]

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

