

Fortsetzung

1.

5.] 70. ($\lceil \cdot \rceil$, $\lceil \cdot \rceil$, $\lceil \cdot \rceil$, $\lceil \cdot \rceil$)

$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
$$((\lfloor \cdot \rfloor, \lceil \cdot \rceil), (\lfloor \cdot \rfloor, \lceil \cdot \rceil))$$
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$((\perp . \Gamma, \Gamma. \Box, (\perp . \Gamma, \Gamma. \neg)))$
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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])
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 ((⌊.Γ, Γ.Γ], (⌊.⌊, Γ.Γ))
 ((⌊.Γ, Γ.Γ], (⌊.⌊, Γ.⌊))

[illegible]

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5.7. $([1, 7], [7, 1], [1, 7, 7])$

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

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

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

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

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

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

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

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

[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.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))

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

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

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

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

[illegible]

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

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

$([a, b], [c, d])$
 $([a, b], [c, e])$
 $([a, b], [c, d, e])$
 $([a, b], [c, d, f])$
 $([a, b], [c, d, e, f])$
 $([a, b], [c, d, e, f, g])$
 $([a, b], [c, d, e, f, g, h])$
 $([a, b], [c, d, e, f, g, h, i])$
 $([a, b], [c, d, e, f, g, h, i, j])$
 $([a, b], [c, d, e, f, g, h, i, j, k])$
 $([a, b], [c, d, e, f, g, h, i, j, k, l])$
 $([a, b], [c, d, e, f, g, h, i, j, k, l, m])$
 $([a, b], [c, d, e, f, g, h, i, j, k, l, m, n])$
 $([a, b], [c, d, e, f, g, h, i, j, k, l, m, n, o])$
 $([a, b], [c, d, e, f, g, h, i, j, k, l, m, n, o, p])$
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 $([a, b], [c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r])$
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 $([a, b], [c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u])$
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 $([a, b], [c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w])$
 $([a, b], [c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x])$
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$(([1, 1], [7, 1]), ([1, 1], [7, 7]))$

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

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

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

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

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

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

[illegible]

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

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

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

((⌊.Γ, Γ.Γ], [⌊.⌊, Γ.⌊])
((⌊.Γ, Γ.Γ], [⌊.⌊, Γ.Γ])
((⌊.Γ, Γ.Γ], [⌊.⌊, Γ.Γ])
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.⌊])
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.Γ])
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.Γ])
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.⌊])
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.Γ])
((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.Γ])
((⌊.Γ, Γ.⌊], (⌊.⌊, Γ.⌊))
((⌊.Γ, Γ.⌊], (⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.⌊], (⌊.⌊, Γ.Γ))
((⌊.Γ, Γ.⌊], (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.⌊], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌊], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌊], (⌊.Γ, Γ.⌊))
((⌊.Γ, Γ.⌊], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌊], (⌊.Γ, Γ.Γ))
((⌊.Γ, Γ.⌊], (⌊.⌊, Γ.⌊])
((⌊.Γ, Γ.⌊], (⌊.⌊, 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 , ח.ח],[ג.ח , ח.ג])
 ((ג.ה , ח.ח],[ג.ח , ח.ח])
 ((ג.ה , ח.ח],[ג.ח , ח.ה])
 ((ג.ה , ח.ח],[ג.ה , ח.ג])
 ((ג.ה , ח.ח],[ג.ה , ח.ח])
 ((ג.ה , ח.ח],[ג.ה , ח.ה])
 ((ג.ה , ח.ה],[ג.ג , ח.ג))
 ((ג.ה , ח.ה],[ג.ג , ח.ח])
 ((ג.ה , ח.ה],[ג.ג , ח.ה))
 ((ג.ה , ח.ה],[ג.ח , ח.ג))
 ((ג.ה , ח.ה],[ג.ח , ח.ח])
 ((ג.ה , ח.ה],[ג.ח , ח.ה))
 ((ג.ה , ח.ה],[ג.ה , ח.ג))
 ((ג.ה , ח.ה],[ג.ה , ח.ח])
 ((ג.ה , ח.ה],[ג.ה , ח.ה))
 ((ג.ה , ח.ה],[ג.ג , ח.ג])
 ((ג.ה , ח.ה],[ג.ג , ח.ח])
 ((ג.ה , ח.ה],[ג.ג , ח.ה])
 ((ג.ה , ח.ה],[ג.ח , ח.ג])
 ((ג.ה , ח.ה],[ג.ח , ח.ח])
 ((ג.ה , ח.ה],[ג.ח , ח.ה])
 ((ג.ה , ח.ה],[ג.ג , ח.ג))

[illegible]

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

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

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

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

[illegible]

[illegible]

[illegible]

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5. $[7, 1]. ([1, 7], [7, 1], [1, 7], [7, 1])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5.1 74. $([1.7, 7.7], [1.1, 7.7])$

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

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((⌊.⌋, ⌈.⌈), (⌊.⌋, ⌈.⌈))

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

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

[illegible]

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

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

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

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

[illegible]

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

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

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

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

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

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

5.] 76. ($\lfloor \cdot \rfloor, \lceil \cdot \rceil, \lfloor \cdot \rfloor, \lceil \cdot \rceil$)

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

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

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

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

((⌊.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])
((\ .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 .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])

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

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

[illegible]

[illegible]

[illegible]

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5.77. $([1, 7], [7, 1], [1, 7], [7, 1])$

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

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

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

((⌊.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, ⌈.⌈])

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

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

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

[illegible]

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

((⌊.Γ,Γ.Π,⌊.Γ,Γ.Γ))
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((⌊.Γ,Γ.Π,⌊.⌊,Γ.Π))
((⌊.Γ,Γ.Π,⌊.⌊,Γ.Γ))
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((⌊.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.Π,⌊.⌊,Γ.⌊))
((⌊.Γ,Γ.Π,⌊.⌊,Γ.Π))
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((⌊.Γ,Γ.Π,⌊.⌊,Γ.Π))
((⌊.Γ,Γ.Π,⌊.⌊,Γ.Γ))
((⌊.Γ,Γ.Π,⌊.Γ,Γ.⌊))
((⌊.Γ,Γ.Π,⌊.Γ,Γ.Π))
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((א.ה, פ.פ], [א.ה, פ.פ))
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 ((א.ה, פ.ה], (א.א, פ.ה))
 ((א.ה, פ.ה], (א.פ, פ.א))
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 ((א.ה, פ.ה], (א.פ, פ.ה))
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 ((א.ה, פ.ה], (א.א, פ.פ])
 ((א.ה, פ.ה], (א.א, פ.ה])
 ((א.ה, פ.ה], (א.פ, פ.א])
 ((א.ה, פ.ה], (א.פ, פ.פ])

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5.1 78. $([1.1, 1.1], [1.7, 1.1])$

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

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

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

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

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

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

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

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

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

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

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

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

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

((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.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))

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

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

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

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

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

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

[illegible]

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

([⊥ . 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 , Γ.Γ))

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5.79. $([1.7, 7.7], [1.7, 7.7])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

((⌊.Γ, Γ.Γ], [⌊.Γ, Γ.⌊])
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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.⌊))

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

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

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

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

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

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

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

[illegible]

[illegible]

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

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

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

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

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

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

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

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

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

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

5.1 80. $([1.7], [1.7], [1.7], [1.7])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

((⌊ . Γ , Γ . Γ) , [⌊ . ⌋ , Γ . Γ))
((⌊ . Γ , Γ . Γ) , [⌊ . Γ , Γ . ⌋))
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$((\perp . \Gamma, \Gamma . \Pi, [\perp . \perp, \Gamma . \neg))$
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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.א))
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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 . $\neg$))
([$\perp$. Γ , Γ . Γ) , ([$\perp$. Γ , Γ . $\perp$))
([$\perp$. Γ , Γ . Γ) , ([$\perp$. Γ , Γ . Γ))

[illegible]

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5.84. $([1.7, 7.7], [1.7, 7.7])$

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

[illegible]

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5.1 85. $([1.7, 7.7], [1.7, 7.7])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

5.1 86. $([1.7, 1.7], [1.7, 1.7])$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

[illegible]

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

[illegible]

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

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

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

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

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 $([1, 2, 3], [1, 3, 4])$
 $([1, 2, 3], [1, 3, 5])$
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 $([1, 2, 3], [1, 4, 5])$
 $([1, 2, 3], [1, 4, 6])$
 $([1, 2, 3], [1, 5, 6])$
 $([1, 2, 3], [2, 3, 4])$
 $([1, 2, 3], [2, 3, 5])$
 $([1, 2, 3], [2, 3, 6])$
 $([1, 2, 3], [2, 4, 5])$
 $([1, 2, 3], [2, 4, 6])$
 $([1, 2, 3], [2, 5, 6])$
 $([1, 2, 3], [3, 4, 5])$
 $([1, 2, 3], [3, 4, 6])$
 $([1, 2, 3], [3, 5, 6])$
 $([1, 2, 3], [4, 5, 6])$
 $([1, 2, 3], [1, 2, 3, 4])$
 $([1, 2, 3], [1, 2, 3, 5])$
 $([1, 2, 3], [1, 2, 3, 6])$
 $([1, 2, 3], [1, 2, 4, 5])$
 $([1, 2, 3], [1, 2, 4, 6])$
 $([1, 2, 3], [1, 2, 5, 6])$
 $([1, 2, 3], [1, 3, 4, 5])$
 $([1, 2, 3], [1, 3, 4, 6])$
 $([1, 2, 3], [1, 3, 5, 6])$
 $([1, 2, 3], [1, 4, 5, 6])$
 $([1, 2, 3], [2, 3, 4, 5])$
 $([1, 2, 3], [2, 3, 4, 6])$
 $([1, 2, 3], [2, 3, 5, 6])$
 $([1, 2, 3], [2, 4, 5, 6])$
 $([1, 2, 3], [3, 4, 5, 6])$
 $([1, 2, 3], [1, 2, 3, 4, 5])$
 $([1, 2, 3], [1, 2, 3, 4, 6])$
 $([1, 2, 3], [1, 2, 3, 5, 6])$
 $([1, 2, 3], [1, 2, 4, 5, 6])$
 $([1, 2, 3], [1, 3, 4, 5, 6])$
 $([1, 2, 3], [2, 3, 4, 5, 6])$
 $([1, 2, 3], [1, 2, 3, 4, 5, 6])$

[illegible]

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

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

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

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

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

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

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

5. $\perp$ 87. $([\perp.\top, \top.\top], (\perp.\top, \top.\perp))$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

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

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

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

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

[illegible]

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

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

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

[illegible]

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

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

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

5. $\perp$ 88. $([\perp.\top, \top.\top], (\perp.\top, \top.\top))$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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[illegible]

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

[illegible]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

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

[illegible]

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

[illegible]

[illegible]

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

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

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

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

[illegible]

[illegible]

