

Fortsetzung

1.

$$\begin{aligned}
& \Gamma. \lceil 0 \rceil. ((\lceil. \Gamma, \Gamma.\top), [\lceil. \rceil, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \rceil, \Gamma.\rceil)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \rceil, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \rceil, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \Gamma, \Gamma.\rceil)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \Gamma, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \Gamma, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \top, \Gamma.\rceil)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \top, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \top, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \rceil, \Gamma.\rceil)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \rceil, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \rceil, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \Gamma, \Gamma.\rceil)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \Gamma, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \Gamma, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \top, \Gamma.\rceil)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \top, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), (\lceil. \top, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), [\lceil. \rceil, \Gamma.\rceil)) \\
& ((\lceil. \rceil, \Gamma.\rceil), [\lceil. \rceil, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), [\lceil. \rceil, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), [\lceil. \Gamma, \Gamma.\rceil)) \\
& ((\lceil. \rceil, \Gamma.\rceil), [\lceil. \Gamma, \Gamma.\top)) \\
& ((\lceil. \rceil, \Gamma.\rceil), [\lceil. \Gamma, \Gamma.\top))
\end{aligned}$$

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

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

[illegible]

[illegible]

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

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

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

[illegible]

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

[illegible]

[illegible]

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

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

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

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

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

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

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

[illegible]

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

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

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

[illegible]

[illegible]

[illegible]

[illegible]

$$\begin{aligned}
& ((\sqcup .7, \sqcup .\sqcup], [\sqcup .7, \sqcup .7)) \\
& ((\sqcup .7, \sqcup .\sqcup], [\sqcup .\sqcup, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .\sqcup], [\sqcup .\sqcup, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .\sqcup], [\sqcup .\sqcup, \sqcup .7]) \\
& ((\sqcup .7, \sqcup .\sqcup], [\sqcup .\sqcup, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .\sqcup], [\sqcup .\sqcup, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .\sqcup], [\sqcup .\sqcup, \sqcup .7]) \\
& ((\sqcup .7, \sqcup .\sqcup], [\sqcup .7, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .\sqcup], [\sqcup .7, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .\sqcup], [\sqcup .7, \sqcup .7]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .\sqcup)) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .7]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .7]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .7, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .7, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .7, \sqcup .7]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .7]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .\sqcup]) \\
& ((\sqcup .7, \sqcup .7], (\sqcup .\sqcup, \sqcup .7])
\end{aligned}$$

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

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

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

[illegible]

[illegible]

[illegible]

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

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

[illegible]

[illegible]

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

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

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

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

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

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

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

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

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

[illegible]

[illegible]

[illegible]

[illegible]

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

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

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

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

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

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$\Gamma. \Gamma^{04}. ([1.7, 7.7], [1.7, 7.7])$

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

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

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

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

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

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

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

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

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

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

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[illegible]

[illegible]

[illegible]

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

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

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

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

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

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

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

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

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

[illegible]

[illegible]

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

$([1.7, 7.7], [1.1, 7.1])$
 $([1.7, 7.7], [1.1, 7.7])$
 $([1.7, 7.7], [1.1, 7.7])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.7])$
 $\Gamma. \Gamma 05. ((1.7, 7.7), [1.7, 7.1])$
 $((1.1, 7.1), (1.1, 7.1))$
 $((1.1, 7.1), (1.1, 7.7))$
 $((1.1, 7.1), (1.1, 7.7))$
 $((1.1, 7.1), (1.7, 7.1))$
 $((1.1, 7.1), (1.7, 7.7))$
 $((1.1, 7.1), (1.7, 7.7))$
 $((1.1, 7.1), (1.7, 7.1))$
 $((1.1, 7.1), (1.7, 7.7))$
 $((1.1, 7.1), (1.7, 7.7))$
 $((1.1, 7.1), (1.1, 7.1))$
 $((1.1, 7.1), (1.1, 7.7))$
 $((1.1, 7.1), (1.1, 7.7))$
 $((1.1, 7.1), (1.7, 7.1))$
 $((1.1, 7.1), (1.7, 7.7))$
 $((1.1, 7.1), (1.7, 7.7))$

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

$$\begin{array}{l}
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\Gamma,\Gamma.\Gamma)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\Gamma,\Gamma.\neg)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\neg,\Gamma.\downarrow)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\neg,\Gamma.\Gamma)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\neg,\Gamma.\neg)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\downarrow,\Gamma.\downarrow)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\downarrow,\Gamma.\Gamma)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\downarrow,\Gamma.\neg)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\Gamma,\Gamma.\downarrow)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\Gamma,\Gamma.\Gamma)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\Gamma,\Gamma.\neg)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\neg,\Gamma.\downarrow)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\neg,\Gamma.\Gamma)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),(\perp.\neg,\Gamma.\neg)) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\downarrow,\Gamma.\downarrow]) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\downarrow,\Gamma.\Gamma]) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\downarrow,\Gamma.\neg]) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\Gamma,\Gamma.\downarrow]) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\Gamma,\Gamma.\Gamma]) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\Gamma,\Gamma.\neg]) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\neg,\Gamma.\downarrow]) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\neg,\Gamma.\Gamma]) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\neg,\Gamma.\neg]) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\downarrow,\Gamma.\downarrow]) \\
 ((\perp.\downarrow,\Gamma.\Gamma),[\perp.\downarrow,\Gamma.\Gamma])
 \end{array}$$

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

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

[illegible]

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

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

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

[illegible]

[illegible]

[illegible]

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

[illegible]

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

[illegible]

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

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

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

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

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[illegible]

[illegible]

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[illegible]

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

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

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[illegible]

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

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

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[illegible]

[illegible]

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

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[illegible]

[illegible]

[illegible]

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

$([\perp . \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\perp])$
 $([\perp . \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\Gamma])$
 $([\perp . \Gamma, \Gamma.\perp], [\perp.\perp, \Gamma.\neg])$
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 $([\perp . \Gamma, \Gamma.\perp], [\perp.\Gamma, \Gamma.\Gamma])$
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 $([\perp . \Gamma, \Gamma.\perp], [\perp.\neg, \Gamma.\perp])$
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$([1.7, 1.1], [1.1, 1.1])$
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$([\perp]_{\perp}, \Gamma_{\perp}), [\perp]_{\perp}, \Gamma_{\perp})$
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 $([1.7, 7.7], [1.1, 7.7])$
 $([1.7, 7.7], [1.1, 7.7])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.1, 7.1])$
 $([1.7, 7.7], [1.1, 7.7])$
 $([1.7, 7.7], [1.1, 7.7])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.1])$
 $([1.7, 7.7], [1.7, 7.1])$

[illegible]

$([a, b], [c, d])$
 $([a, b], [c, e])$
 $([a, b], [c, f])$
 $([a, b], [c, g])$
 $([a, b], [d, e])$
 $([a, b], [d, f])$
 $([a, b], [d, g])$
 $([a, b], [e, f])$
 $([a, b], [e, g])$
 $([a, b], [f, g])$
 $([a, b], [h, i])$
 $([a, b], [h, j])$
 $([a, b], [h, k])$
 $([a, b], [i, j])$
 $([a, b], [i, k])$
 $([a, b], [j, k])$
 $([a, b], [l, m])$
 $([a, b], [l, n])$
 $([a, b], [l, o])$
 $([a, b], [m, n])$
 $([a, b], [m, o])$
 $([a, b], [n, o])$
 $[p, q]08. ([p, r], [s, t], [u, v])$
 $([u, v], [w, x]), ([u, v], [y, z])$
 $([u, v], [w, x]), ([u, v], [y, z])$

[illegible]

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

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

[illegible]

[illegible]

[illegible]

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

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

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

[illegible]

[illegible]

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

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

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

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

[illegible]

[illegible]

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

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

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

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

[illegible]

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

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

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

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

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

[illegible]

[illegible]

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

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

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

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

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

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

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

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[illegible]

([λ . η , Γ . Γ], [λ . η , Γ . λ])
 ([λ . η , Γ . Γ], [λ . η , Γ . Γ])
 ([λ . η , Γ . Γ], [λ . η , Γ . η])
 ([λ . η , Γ . η], (λ . λ , Γ . λ))
 ([λ . η , Γ . η], (λ . λ , Γ . Γ))
 ([λ . η , Γ . η], (λ . λ , Γ . η))
 ([λ . η , Γ . η], (λ . Γ , Γ . λ))
 ([λ . η , Γ . η], (λ . Γ , Γ . Γ))
 ([λ . η , Γ . η], (λ . Γ , Γ . η))
 ([λ . η , Γ . η], (λ . η , Γ . λ))
 ([λ . η , Γ . η], (λ . η , Γ . Γ))
 ([λ . η , Γ . η], (λ . η , Γ . η))
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 ([λ . η , Γ . η], (λ . Γ , Γ . λ])
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 ([λ . η , Γ . η], (λ . Γ , Γ . η])
 ([λ . η , Γ . η], (λ . η , Γ . λ])
 ([λ . η , Γ . η], (λ . η , Γ . Γ])
 ([λ . η , Γ . η], (λ . η , Γ . η])
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 ([λ . η , Γ . η], [λ . λ , Γ . Γ])
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[illegible]

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

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

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

[illegible]

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

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

[illegible]

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

[illegible]

[illegible]

[illegible]

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

[illegible]

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 $([\perp, \Gamma, \Gamma.\Gamma], (\perp.\neg, \Gamma.\perp))$
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 $([1.7, 7.7], [1.7, 7.7])$
 $([1.7, 7.7], [1.7, 7.7])$

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

[illegible]

[illegible]

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

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

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

[illegible]

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

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

[illegible]

[illegible]

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

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

[illegible]

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

[illegible]

[illegible]

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

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

[illegible]

[illegible]

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

[illegible]

[illegible]

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

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

[illegible]

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

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

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

[illegible]

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

[illegible]

[illegible]

[illegible]

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

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

[illegible]

[illegible]

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

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

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

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

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

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

$([1.7, 1.1], [1.7, 1.7])$
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$([\perp.\top, \top.\top], [\perp.\top, \top.\perp])$
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 $([\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])$
 $([\perp.\perp, \top.\perp], [\perp.\top, \top.\perp])$

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

[illegible]

[illegible]

[illegible]

[illegible]

$([1, 7], [1, 1], [1, 7], [1, 1])$
 $([1, 7], [1, 1], [1, 7], [1, 7])$
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 ([1, 2], [1, 2], [7, 6])
 ([1, 2], [1, 2], [7, 7])

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

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[illegible]

[illegible]

[illegible]

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

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

[illegible]

[illegible]

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

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

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

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

[illegible]

[illegible]

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

[illegible]

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

[illegible]

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

[illegible]

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

[illegible]

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

[illegible]

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

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

[illegible]

[illegible]

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

[illegible]

[illegible]

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

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

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

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

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

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

[illegible]

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

[illegible]

[illegible]

[illegible]

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

$$\begin{array}{l}
((\perp.\perp, \top.\perp), (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp)) \\
((\perp.\perp, \top.\perp), (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp), (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp), (\perp.\perp, \top.\perp)) \\
((\perp.\perp, \top.\perp), (\perp.\perp, \top.\top)) \\
((\perp.\perp, \top.\perp), (\perp.\perp, \top.\top)) \\
((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp)) \\
((\perp.\perp, \top.\perp), (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp), (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp), (\perp.\top, \top.\perp)) \\
((\perp.\perp, \top.\perp), (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp), (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp), [\perp.\perp, \top.\perp]) \\
((\perp.\perp, \top.\perp), [\perp.\perp, \top.\top]) \\
((\perp.\perp, \top.\perp), [\perp.\perp, \top.\top]) \\
((\perp.\perp, \top.\perp), [\perp.\top, \top.\perp]) \\
((\perp.\perp, \top.\perp), [\perp.\top, \top.\top]) \\
((\perp.\perp, \top.\perp), [\perp.\top, \top.\top]) \\
((\perp.\perp, \top.\perp), [\perp.\top, \top.\perp]) \\
((\perp.\perp, \top.\perp), [\perp.\top, \top.\top]) \\
((\perp.\perp, \top.\perp), [\perp.\top, \top.\top]) \\
((\perp.\perp, \top.\perp), [\perp.\perp, \top.\perp]) \\
((\perp.\perp, \top.\perp), [\perp.\perp, \top.\top]) \\
((\perp.\perp, \top.\perp), [\perp.\perp, \top.\top])
\end{array}$$

[illegible]

[illegible]

[illegible]

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

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

[illegible]

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

[illegible]

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

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

$$\begin{array}{l}
((\perp.\perp, \top.\perp], (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], (\perp.\top, \top.\perp)) \\
((\perp.\perp, \top.\perp], (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], (\perp.\perp, \top.\perp]) \\
((\perp.\perp, \top.\perp], (\perp.\perp, \top.\top)) \\
((\perp.\perp, \top.\perp], (\perp.\perp, \top.\top)) \\
((\perp.\perp, \top.\perp], (\perp.\top, \top.\perp]) \\
((\perp.\perp, \top.\perp], (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], (\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], [\perp.\perp, \top.\perp]) \\
((\perp.\perp, \top.\perp], [\perp.\perp, \top.\top)) \\
((\perp.\perp, \top.\perp], [\perp.\perp, \top.\top)) \\
((\perp.\perp, \top.\perp], [\perp.\top, \top.\perp]) \\
((\perp.\perp, \top.\perp], [\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], [\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], [\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], [\perp.\top, \top.\perp]) \\
((\perp.\perp, \top.\perp], [\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], [\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], [\perp.\top, \top.\top)) \\
((\perp.\perp, \top.\perp], [\perp.\perp, \top.\perp]) \\
((\perp.\perp, \top.\perp], [\perp.\perp, \top.\top)) \\
((\perp.\perp, \top.\perp], [\perp.\perp, \top.\top])
\end{array}$$

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

$([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \urcorner , \ulcorner . \perp))$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \urcorner , \ulcorner . \urcorner))$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \urcorner , \ulcorner . \neg))$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \neg , \ulcorner . \perp))$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \neg , \ulcorner . \urcorner))$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \neg , \ulcorner . \neg))$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \perp , \ulcorner . \perp])$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \perp , \ulcorner . \urcorner)]$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \perp , \ulcorner . \neg])$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \urcorner , \ulcorner . \perp])$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \urcorner , \ulcorner . \urcorner)]$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \urcorner , \ulcorner . \neg])$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \neg , \ulcorner . \urcorner)]$
 $([\perp] . \perp , \ulcorner . \urcorner), [\perp] . \neg , \ulcorner . \neg])$
 $([\perp] . \perp , \ulcorner . \neg), (\perp . \perp , \ulcorner . \perp))$
 $([\perp] . \perp , \ulcorner . \neg), (\perp . \perp , \ulcorner . \urcorner))$
 $([\perp] . \perp , \ulcorner . \neg), (\perp . \perp , \ulcorner . \neg))$
 $([\perp] . \perp , \ulcorner . \neg), (\perp . \urcorner , \ulcorner . \perp))$
 $([\perp] . \perp , \ulcorner . \neg), (\perp . \urcorner , \ulcorner . \urcorner))$
 $([\perp] . \perp , \ulcorner . \neg), (\perp . \urcorner , \ulcorner . \neg))$
 $([\perp] . \perp , \ulcorner . \neg), (\perp . \neg , \ulcorner . \urcorner))$
 $([\perp] . \perp , \ulcorner . \neg), (\perp . \neg , \ulcorner . \neg))$
 $([\perp] . \perp , \ulcorner . \neg), (\perp . \perp , \ulcorner . \perp])$

[illegible]

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

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

[illegible]

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

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

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

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

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[illegible]

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

[illegible]

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

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

((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.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.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, 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.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.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))

[illegible]

[illegible]

[illegible]

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

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

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

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

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

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

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

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

$([1, 2, 3], [1, 2, 3])$
 $([1, 2, 3], [1, 2, 2])$
 $([1, 2, 3], [1, 2, 1])$
 $([1, 2, 3], [1, 2, 0])$
 $([1, 2, 3], [1, 1, 3])$
 $([1, 2, 3], [1, 1, 2])$
 $([1, 2, 3], [1, 1, 1])$
 $([1, 2, 3], [1, 1, 0])$
 $([1, 2, 3], [1, 0, 3])$
 $([1, 2, 3], [1, 0, 2])$
 $([1, 2, 3], [1, 0, 1])$
 $([1, 2, 3], [1, 0, 0])$
 $([1, 2, 3], [0, 2, 3])$
 $([1, 2, 3], [0, 2, 2])$
 $([1, 2, 3], [0, 2, 1])$
 $([1, 2, 3], [0, 2, 0])$
 $([1, 2, 3], [0, 1, 3])$
 $([1, 2, 3], [0, 1, 2])$
 $([1, 2, 3], [0, 1, 1])$
 $([1, 2, 3], [0, 1, 0])$
 $([1, 2, 3], [0, 0, 3])$
 $([1, 2, 3], [0, 0, 2])$
 $([1, 2, 3], [0, 0, 1])$
 $([1, 2, 3], [0, 0, 0])$

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

[illegible]

([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])
 ([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])

$([1.7], [1.7], [1.7], [1.7])$
 $([1.7], [1.7], [1.7], [1.7])$
 $([1.7], [1.7], [1.7], [1.7])$
 $([1.7], [1.7], [1.7], [1.7])$
 $([1.7], [1.7], [1.7], [1.7])$
 $([1.7], [1.7], [1.7], [1.7])$
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 $([1.7], [1.7], [1.7], [1.7])$
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 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \Gamma, \Gamma . \neg])$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \perp])$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \Gamma])$
 $((\perp . \Gamma, \Gamma . \Pi, [\perp . \neg, \Gamma . \neg])$
 $((\perp . \Gamma, \Gamma . \neg], (\perp . \perp, \Gamma . \perp))$
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 $((\perp . \Gamma, \Gamma . \neg], (\perp . \neg, \Gamma . \Gamma))$

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

[illegible]

((א.ה, א.ה], [א.א, א.א))
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[illegible]

[illegible]

[illegible]

[illegible]

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

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

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

[illegible]

[illegible]

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

[illegible]

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 $([1, 2, 3], [1, 2, 10])$
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[illegible]

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 7.7 8. $([1.7, 7.1], [1.1, 7.7])$
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 $([1.1, 7.1], [1.7, 7.7])$

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

$((\perp.\top, \top.\perp), [\perp.\top, \top.\top])$
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((א.ה, ב.ב), (א.ה, ב.ג))
 ((א.ה, ב.ב), (א.ה, ב.ד))
 ((א.ה, ב.ב), (א.ה, ב.ה))
 ((א.ה, ב.ב), (א.ג, ב.ג))
 ((א.ה, ב.ב), (א.ג, ב.ד))
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 ((א.ה, ב.ב), (א.ד, ב.ג))
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$([\perp] . \perp , \top . \perp), [\perp] . \perp , \top . \perp))$
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$([\perp, \Gamma, \Gamma, \Gamma], [\perp, \neg, \Gamma, \neg])$
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$([\perp, \perp], [\top, \top], [\perp, \top], [\top, \perp])$
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 $((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\Gamma))$
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 $((\perp . \Gamma, \Gamma.\perp], [\perp . \perp, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \perp, \Gamma.\Gamma))$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \perp, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \Gamma, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \Gamma, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\perp])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\Gamma])$
 $((\perp . \Gamma, \Gamma.\perp], [\perp . \neg, \Gamma.\neg])$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\perp))$
 $((\perp . \Gamma, \Gamma.\Gamma], (\perp . \perp, \Gamma.\Gamma))$

[illegible]

[illegible]

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

[illegible]

[illegible]

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

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

[illegible]

[illegible]

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

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

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

[illegible]

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

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

[illegible]

[illegible]

[illegible]

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

[illegible]

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

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

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

[illegible]

[illegible]

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

[illegible]

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

[illegible]

[illegible]

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

[illegible]

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

[illegible]

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

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

[illegible]

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 $([1.7, 1.2], [1.2, 1.7])$
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 $([1.7, 1.2], [1.7, 1.7])$
 $([1.7, 1.2], [1.7, 1.7])$
 $([1.7, 1.2], [1.7, 1.2])$
 $([1.7, 1.7], [1.2, 1.2])$
 $([1.7, 1.7], [1.2, 1.7])$

[illegible]

[illegible]

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