

<code>../logos/</code>	<code>usydlogos/TUM.pdf</code>
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$$\leq, \leq$$

\rightsquigarrow

\leq, \leq

\rightsquigarrow

$$\bigwedge \leq \wedge \bigwedge - \leq - \wedge \bigwedge - \leq -$$

,

\leq, \leq

\rightsquigarrow

$$\bigwedge \leq \wedge \bigwedge - \leq - \wedge \bigwedge - \leq -$$

,

~>

\rightsquigarrow

$\in \{-, ,\}^{\times} -$

$$\gamma() := \{ \in \mathbb{Z} \mid \leq \} \quad \in \overline{\mathbb{Z}}$$

$$\alpha() := \{ \in \overline{\mathbb{Z}} \mid \gamma() \supseteq \} \quad \subseteq \mathbb{Z}$$

\rightsquigarrow

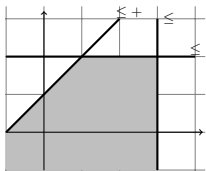
$\in \{-, ,\}^{\times} -$

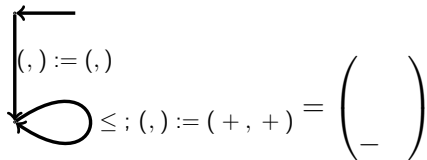
$$\gamma() := \{ \in \mathbb{Z} \mid \leq \} \quad \in \overline{\mathbb{Z}}$$

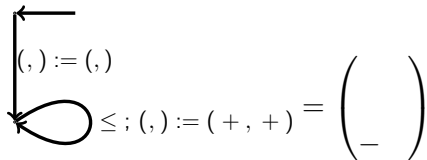
$$\alpha() := \{ \in \overline{\mathbb{Z}} \mid \gamma() \supseteq \} \quad \subseteq \mathbb{Z}$$

$$= \begin{pmatrix} \\ - \end{pmatrix}$$

$$\gamma \left(\begin{pmatrix} \\ \end{pmatrix} \right) = \left\{ \begin{pmatrix} \\ \end{pmatrix} \in \mathbb{Z} \mid \begin{pmatrix} \\ \end{pmatrix} \leq \begin{pmatrix} \\ \end{pmatrix} \right\} =$$







$$\gamma \left(\begin{pmatrix} \infty \\ \infty \\ \infty \end{pmatrix} \right) = \left\{ \left(\begin{array}{c} \circ \\ - \\ \circ \end{array} \right) \leq \begin{pmatrix} \infty \\ \infty \\ \infty \end{pmatrix} \right\}$$

$$\begin{array}{l} \leftarrow \\ (,) := (,) \\ \leftarrow \\ \leq ; (,) := (+, +) = \left(\begin{array}{c} - \\ - \end{array} \right) \end{array}$$

$$\gamma \left(\left(\begin{array}{c} \infty \\ \infty \\ \infty \end{array} \right) \right) = \left\{ \left(\begin{array}{c} \\ - \\ \end{array} \right) \left(\begin{array}{c} \\ \\ \end{array} \right) \leq \left(\begin{array}{c} \infty \\ \infty \\ \infty \end{array} \right) \right\}$$

$$\gamma \left(\left(\begin{array}{c} \\ \\ \end{array} \right) \right) = \left\{ \left(\begin{array}{c} \\ - \\ \end{array} \right) \left(\begin{array}{c} \\ \\ \end{array} \right) \leq \left(\begin{array}{c} \\ \\ \end{array} \right) \right\}$$





$$\blacktriangleright = + = +$$



$$= + = +$$





$$= + = +$$





$$= + = +$$





$$= + = +$$





$$\blacktriangleright = + = +$$



$$\blacktriangleright = + \cdots + +$$



$$\blacktriangleright = + = +$$



$$\blacktriangleright = + \cdots + +$$





$$\blacktriangleright = + = +$$



$$\blacktriangleright = + \cdots + +$$







$$\leq \wedge' = +$$

$$\leq \wedge' = +$$

$$\leq \wedge' = + () = \{ ' \mid \in \wedge \leq \wedge' = + \}$$

$$\leq \wedge' = +$$

$$\leq \wedge' = + () = \{ ' \mid \in \wedge \leq \wedge' = + \}$$

$$\leq \wedge' = + \# () = \alpha(\leq \wedge' = + (\gamma()))$$

$\overline{\mathbb{Z}}$.

.

$$= \begin{pmatrix} \\ - \end{pmatrix}$$

$\overline{\mathbb{Z}}$ ←

.

$$= \begin{pmatrix} \\ - \end{pmatrix}$$

\mathbb{Z} ←

.

$$= \begin{pmatrix} \\ - \end{pmatrix}$$

≥ 8

\mathbb{Z} 

.

$$= \begin{pmatrix} \\ - \end{pmatrix}$$

 $\mathbb{N} \cong \mathbb{N}$ $\mathbb{N} \cong \mathbb{N}$

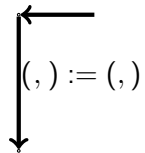
\overline{z}



.

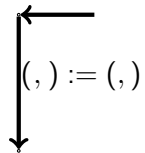
$$= \begin{pmatrix} \\ - \end{pmatrix}$$

$\begin{matrix} \sphericalangle & \infty \\ \sphericalangle & \infty \\ \sphericalangle & \infty \end{matrix}$

$\overline{\mathbb{Z}}$ 

$$= \begin{pmatrix} \\ - \end{pmatrix}$$

 $\begin{matrix} \supseteq & \infty \\ \supseteq & \infty \\ \supseteq & \infty \end{matrix}$

$\overline{\mathbb{Z}}$ 

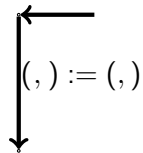
$$= \begin{pmatrix} \\ - \end{pmatrix}$$

$$\geq \infty$$

$$\geq \infty$$

$$\geq \infty$$

$$\geq \pi((,) := (,)^\# (, ,))$$

$\overline{\mathbb{Z}}$ 

$$= \begin{pmatrix} \\ - \end{pmatrix}$$

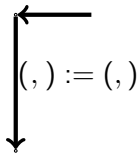
$$\geq \infty$$

$$\geq \infty$$

$$\geq \infty$$

$$\geq \pi((,) := (,)^{\sharp} (, ,))$$

$$\geq \pi((,) := (,)^{\sharp} (, ,))$$

$\overline{\mathbb{Z}}$ 

$$= \begin{pmatrix} \\ - \end{pmatrix}$$

$$\geq \infty$$

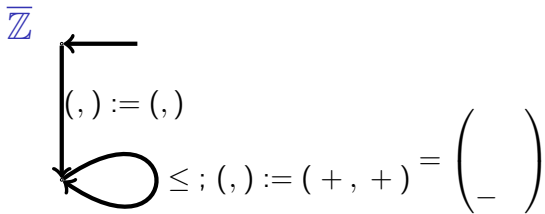
$$\geq \infty$$

$$\geq \infty$$

$$\geq \pi((,) := (,) \sharp (, ,))$$

$$\geq \pi((,) := (,) \sharp (, ,))$$

$$\geq \pi((,) := (,) \sharp (, ,))$$



$$\geq \infty$$

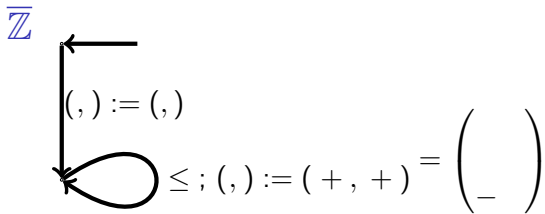
$$\geq \infty$$

$$\geq \infty$$

$$\geq \pi((,) := (,) \# (, ,))$$

$$\geq \pi((,) := (,) \# (, ,))$$

$$\geq \pi((,) := (,) \# (, ,))$$



$$\geq \infty$$

$$\geq \infty$$

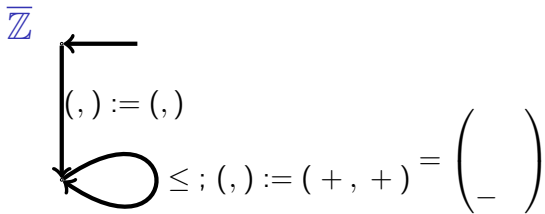
$$\geq \infty$$

$$\geq \pi((,) := (,)^\sharp(, ,))$$

$$\geq \pi((,) := (,)^\sharp(, ,))$$

$$\geq \pi((,) := (,)^\sharp(, ,))$$

$$\geq \pi(\leq ; (,) := (+, +)^\sharp(, ,))$$



$$\geq \infty$$

$$\geq \infty$$

$$\geq \infty$$

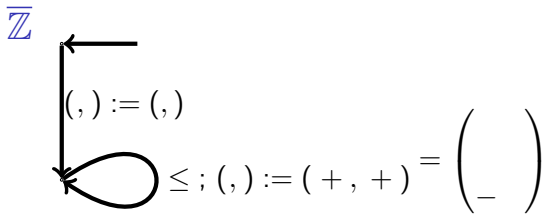
$$\geq \pi((,) := (,)^\sharp(, ,))$$

$$\geq \pi((,) := (,)^\sharp(, ,))$$

$$\geq \pi((,) := (,)^\sharp(, ,))$$

$$\geq \pi(\leq ; (,) := (+, +)^\sharp(, ,))$$

$$\geq \pi(\leq ; (,) := (+, +)^\sharp(, ,))$$



$$\geq \infty$$

$$\geq \infty$$

$$\geq \infty$$

$$\geq \pi((,) := (,)^\sharp(,))$$

$$\geq \pi((,) := (,)^\sharp(,))$$

$$\geq \pi((,) := (,)^\sharp(,))$$

$$\geq \pi(\leq ; (,) := (+, +)^\sharp(,))$$

$$\geq \pi(\leq ; (,) := (+, +)^\sharp(,))$$

$$\geq \pi(\leq ; (,) := (+, +)^\sharp(,))$$

$$\pi(\leq \wedge ' = + \# ())$$

$$\begin{aligned} & \pi(\leq \wedge ' = + \# ()) \\ = & \pi(\alpha(\leq \wedge ' = + (\gamma()))) \end{aligned}$$

$$\begin{aligned}
& \pi(\leq \wedge ' = + \# ()) \\
& = \pi(\alpha(\leq \wedge ' = + (\gamma()))) \\
& = \pi(\alpha(\leq \wedge ' = + (\{ \in \mathbb{Z} \mid \leq \})))
\end{aligned}$$

$$\begin{aligned}
& \pi(\leq \wedge ' = + \# ()) \\
& = \pi(\alpha(\leq \wedge ' = + (\gamma()))) \\
& = \pi(\alpha(\leq \wedge ' = + (\{\in \mathbb{Z} \mid \leq\}))) \\
& = \pi(\alpha(\{ ' \mid , ' \in \mathbb{Z} \wedge \leq , \wedge ' = + \}))
\end{aligned}$$

$$\begin{aligned}
& \pi(\leq \wedge ' = + \# ()) \\
&= \pi(\alpha(\leq \wedge ' = + (\gamma()))) \\
&= \pi(\alpha(\leq \wedge ' = + (\{\in \mathbb{Z} \mid \leq\}))) \\
&= \pi(\alpha(\{ ' \mid , ' \in \mathbb{Z} \wedge \leq , \wedge ' = + \})) \\
&= \pi(\alpha(\{ + \mid \in \mathbb{Z} \wedge \leq (,)\}))
\end{aligned}$$

$$\begin{aligned}
& \pi(\leq \wedge ' = + \# ()) \\
&= \pi(\alpha(\leq \wedge ' = + (\gamma()))) \\
&= \pi(\alpha(\leq \wedge ' = + (\{\in \mathbb{Z} \mid \leq\}))) \\
&= \pi(\alpha(\{ ' \mid , ' \in \mathbb{Z} \wedge \leq , \wedge ' = + \})) \\
&= \pi(\alpha(\{ + \mid \in \mathbb{Z} \wedge \leq (,)\})) \\
&= \{ (+) \mid \in \mathbb{Z} \wedge \leq (,) \}
\end{aligned}$$

$$\begin{aligned}
& \pi(\leq \wedge ' = + \# ()) \\
&= \pi(\alpha(\leq \wedge ' = + (\gamma()))) \\
&= \pi(\alpha(\leq \wedge ' = + (\{\in \mathbb{Z} \mid \leq\}))) \\
&= \pi(\alpha(\{ ' \mid , ' \in \mathbb{Z} \wedge \leq , \wedge ' = + \})) \\
&= \pi(\alpha(\{ + \mid \in \mathbb{Z} \wedge \leq (,) \})) \\
&= \{ (+) \mid \in \mathbb{Z} \wedge \leq (,) \} \\
&= + \{ \mid \in \mathbb{Z} \wedge \leq (,) \}
\end{aligned}$$

$$\begin{aligned}
& \pi(\leq \wedge ' = + \# ()) \\
&= \pi(\alpha(\leq \wedge ' = + (\gamma()))) \\
&= \pi(\alpha(\leq \wedge ' = + (\{\in \mathbb{Z} \mid \leq\}))) \\
&= \pi(\alpha(\{ ' \mid , ' \in \mathbb{Z} \wedge \leq , \wedge ' = + \})) \\
&= \pi(\alpha(\{ + \mid \in \mathbb{Z} \wedge \leq (,) \})) \\
&= \{ (+) \mid \in \mathbb{Z} \wedge \leq (,) \} \\
&= + \{ \mid \in \mathbb{Z} \wedge \leq (,) \} \\
&= + \{ \mid \in \mathbb{R} \wedge \leq (,) \}
\end{aligned}$$

$$\begin{aligned}
& \pi(\leq \wedge ' = + \# ()) \\
&= \pi(\alpha(\leq \wedge ' = + (\gamma())))) \\
&= \pi(\alpha(\leq \wedge ' = + (\{\in \mathbb{Z} \mid \leq\}))) \\
&= \pi(\alpha(\{ ' \mid , ' \in \mathbb{Z} \wedge \leq , \wedge ' = + \})) \\
&= \pi(\alpha(\{ + \mid \in \mathbb{Z} \wedge \leq (,) \})) \\
&= \{ (+) \mid \in \mathbb{Z} \wedge \leq (,) \} \\
&= + \{ \mid \in \mathbb{Z} \wedge \leq (,) \} \\
&= + \{ \mid \in \mathbb{R} \wedge \leq (,) \} \\
&= + \{ ((,))^\top \mid \in \mathbb{R}_{\geq} \wedge \top = ()^\top \}
\end{aligned}$$

$$\begin{aligned}
& \pi(\leq \wedge ' = + \# ()) \\
&= \pi(\alpha(\leq \wedge ' = + (\gamma()))) \\
&= \pi(\alpha(\leq \wedge ' = + (\{\in \mathbb{Z} \mid \leq\}))) \\
&= \pi(\alpha(\{ ' \mid , ' \in \mathbb{Z} \wedge \leq , \wedge ' = + \})) \\
&= \pi(\alpha(\{ + \mid \in \mathbb{Z} \wedge \leq (,) \})) \\
&= \{ (+) \mid \in \mathbb{Z} \wedge \leq (,) \} \\
&= + \{ \mid \in \mathbb{Z} \wedge \leq (,) \} \\
&= + \{ \mid \in \mathbb{R} \wedge \leq (,) \} \\
&= + \{ ((,))^T \mid \in \mathbb{R}_{\geq} \wedge {}^T = ()^T \} \\
&= + \{ ((,))^T \mid \in \mathbb{Z}_{\geq} \wedge {}^T = ()^T \}
\end{aligned}$$

$$\pi(\leq \wedge ' = + \# ())$$

$$= + \{((,))^\top \mid \in \mathbb{Z}_{\geq} \wedge^\top = ()^\top\}$$

$$\begin{aligned} & \pi(\leq \wedge ' = + \# ()) \\ & = + \{((,))^\top \mid \in \mathbb{Z}_{\geq} \wedge^\top = ()^\top\} \end{aligned}$$

$$\pi \circ \leq \wedge ' = + \# : \overline{\mathbb{Z}} \rightarrow \overline{\mathbb{Z}}$$

$$\begin{aligned} & \pi(\leq \wedge ' = + \# ()) \\ & = + \{((,))^\top \mid \in \mathbb{Z}_{\geq} \wedge^\top = ()^\top\} \end{aligned}$$

$$\begin{aligned} \pi \circ \leq \wedge ' = + \# : \overline{\mathbb{Z}} &\rightarrow \overline{\mathbb{Z}} \\ \overline{\mathbb{Z}} &\rightarrow \overline{\mathbb{Z}} \end{aligned}$$

$$\begin{aligned} & \pi(\leq \wedge ' = + \# ()) \\ & = + \{((,))^\top \mid \in \mathbb{Z}_{\geq} \wedge^\top = ()^\top\} \end{aligned}$$

$$\begin{aligned} \pi \circ \leq \wedge ' = + \# : \overline{\mathbb{Z}} &\rightarrow \overline{\mathbb{Z}} \\ \overline{\mathbb{Z}} &\rightarrow \overline{\mathbb{Z}} \end{aligned}$$

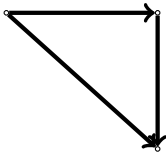
\rightsquigarrow

$$\rightsquigarrow \mathcal{O}(\cdot \cdot (+ \cdot))$$

$${}^T \begin{pmatrix} \end{pmatrix}$$

$$\begin{pmatrix} - & - & - \\ - & - & \end{pmatrix} \begin{pmatrix} \end{pmatrix} = \begin{pmatrix} \end{pmatrix}$$

$$\begin{pmatrix} \end{pmatrix} \geq$$



$$+ \geq - \infty^+ \geq + \geq + +$$

$$- \geq - \infty^- \geq - \geq - + (-)$$

$$+ \geq - \infty^+ \geq (- \geq -)? \{+, \}$$

$$- \geq - \infty^- \geq (- \geq -)? -$$

$$+ \geq - \infty^+ \geq (- \geq - \& + \geq)? \{+, \}$$

$$- \geq - \infty^- \geq (- \geq - \& + \geq)? \{-, \}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$\begin{aligned}
 + & \geq -\infty^+ \geq + \geq + + \\
 - & \geq -\infty^- \geq - \geq - + (-) \\
 + & \geq -\infty^+ \geq (- \geq -) ? \{+, \} \\
 - & \geq -\infty^- \geq (- \geq -) ? - \\
 + & \geq -\infty^+ \geq (- \geq - \& + \geq) ? \{+, \} \\
 - & \geq -\infty^- \geq (- \geq - \& + \geq) ? \{-, \}
 \end{aligned}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$\begin{aligned}
 + & \geq -\infty^+ \geq + \geq + + \\
 - & \geq -\infty^- \geq - \geq - + (-) \\
 + & \geq -\infty^+ \geq (- \geq -) ? \{+, \} \\
 - & \geq -\infty^- \geq (- \geq -) ? - \\
 + & \geq -\infty^+ \geq (- \geq - \& + \geq) ? \{+, \} \\
 - & \geq -\infty^- \geq (- \geq - \& + \geq) ? \{-, \}
 \end{aligned}$$

+	∞	$-\infty$					
-	∞	$-\infty$					
+	∞	$-\infty$					
-	∞	$-\infty$					
+	∞	$-\infty$					
-	∞	$-\infty$					

$$\begin{aligned}
 -\infty &+ \geq -\infty^+ \geq + \geq + + \\
 -\infty &- \geq -\infty^- \geq - \geq - + (-) \\
 -\infty &+ \geq -\infty^+ \geq (- \geq -)? \{+, \} \\
 -\infty &- \geq -\infty^- \geq (- \geq -)? - \\
 -\infty &+ \geq -\infty^+ \geq (- \geq - \& + \geq)? \{+, \} \\
 -\infty &- \geq -\infty^- \geq (- \geq - \& + \geq)? \{-, \}
 \end{aligned}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$\begin{aligned}
 -\infty^+ &\geq -\infty^+ \geq + \geq + + \\
 -\infty^- &\geq -\infty^- \geq - \geq - + (-) \\
 -\infty^+ &\geq -\infty^+ \geq (- \geq -)? \{+, \} \\
 -\infty^- &\geq -\infty^- \geq (- \geq -)? - \\
 -\infty^+ &\geq -\infty^+ \geq (- \geq - \& + \geq)? \{+, \} \\
 -\infty^- &\geq -\infty^- \geq (- \geq - \& + \geq)? \{-, \}
 \end{aligned}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$\begin{aligned}
 -\infty^+ &\geq -\infty^+ \geq + \geq + + \\
 -\infty^- &\geq -\infty^- \geq - \geq - + (-) \\
 -\infty^+ &\geq -\infty^+ \geq (- \geq -)? \{+, \} \\
 -\infty^- &\geq -\infty^- \geq (- \geq -)? - \\
 -\infty^+ &\geq -\infty^+ \geq (- \geq - \& + \geq)? \{+, \} \\
 -\infty^- &\geq -\infty^- \geq (- \geq - \& + \geq)? \{-, \}
 \end{aligned}$$

+	∞						
-	∞						
+	∞	$-\infty$					
-	∞	$-\infty$					
+	∞	$-\infty$					
-	∞	$-\infty$					

$$\begin{aligned}
 &+ \geq -\infty \quad + \geq + \geq + + \\
 &- \geq -\infty \quad - \geq - \geq - + (-) \\
 -\infty &+ \geq -\infty \quad + \geq (- \geq -)? \{+, \} \\
 -\infty &- \geq -\infty \quad - \geq (- \geq -)? - \\
 -\infty &+ \geq -\infty \quad + \geq (- \geq - \& + \geq)? \{+, \} \\
 -\infty &- \geq -\infty \quad - \geq (- \geq - \& + \geq)? \{-, \}
 \end{aligned}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$\begin{aligned}
 &+ \geq -\infty \quad + \geq + \geq + + \\
 &- \geq -\infty \quad - \geq - \geq - + (-) \\
 -\infty &+ \geq -\infty \quad + \geq (- \geq -) ? \{+, \} \\
 -\infty &- \geq -\infty \quad - \geq (- \geq -) ? - \\
 -\infty &+ \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \} \\
 -\infty &- \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}
 \end{aligned}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$\begin{aligned}
 &+ \geq -\infty \quad + \geq + \geq + + \\
 &- \geq -\infty \quad - \geq - \geq - + (-) \\
 -\infty &+ \geq -\infty \quad + \geq (- \geq -) ? \{+, \} \\
 -\infty &- \geq -\infty \quad - \geq (- \geq -) ? - \\
 -\infty &+ \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \} \\
 -\infty &- \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}
 \end{aligned}$$

+	∞						
-	∞						
+	∞						
-	∞	∞					
+	∞	$-\infty$					
-	∞	$-\infty$					

$$\begin{array}{l}
 + \geq -\infty \quad + \geq + \geq + + \\
 - \geq -\infty \quad - \geq - \geq - + (-) \\
 -\infty \quad + \geq -\infty \quad + \geq (- \geq -) ? \{+, \} \\
 -\infty \quad - \geq -\infty \quad - \geq (- \geq -) ? - \\
 -\infty \quad + \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \} \\
 -\infty \quad - \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}
 \end{array}$$

+	∞						
-	∞						
+	∞						
-	∞	∞					
+	∞	$-\infty$	$-\infty$				
-	∞	$-\infty$	$-\infty$				

$$+ \geq -\infty \quad + \geq + \geq + +$$

$$- \geq -\infty \quad - \geq - \geq - + (-)$$

$$+ \geq -\infty \quad + \geq (- \geq -) ? \{+, \}$$

$$- \geq -\infty \quad - \geq (- \geq -) ? -$$

$$-\infty \quad + \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \}$$

$$-\infty \quad - \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$\begin{array}{l}
 + \geq -\infty \quad + \geq + \geq + + \\
 - \geq -\infty \quad - \geq - \geq - + (-) \\
 + \geq -\infty \quad + \geq (- \geq -) ? \{+, \} \\
 - \geq -\infty \quad - \geq (- \geq -) ? - \\
 -\infty \quad + \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \} \\
 -\infty \quad - \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}
 \end{array}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$\begin{array}{l}
 + \geq -\infty \quad + \geq + \geq + + \\
 - \geq -\infty \quad - \geq - \geq - + (-) \\
 + \geq -\infty \quad + \geq (- \geq -) ? \{+, \} \\
 - \geq -\infty \quad - \geq (- \geq -) ? - \\
 -\infty \quad + \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \} \\
 -\infty \quad - \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}
 \end{array}$$

+	∞						
-	∞						
+	∞						
-	∞	∞					
+	∞						
-	∞						

$$\begin{array}{l}
 + \geq -\infty \quad + \geq + \geq + + \\
 - \geq -\infty \quad - \geq - \geq - + (-) \\
 + \geq -\infty \quad + \geq (- \geq -) ? \{+, \} \\
 - \geq -\infty \quad - \geq (- \geq -) ? - \\
 -\infty \quad + \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \} \\
 -\infty \quad - \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}
 \end{array}$$

+	∞						
-	∞						
+	∞						
-	∞	∞					
+	∞						
-	∞						

$$\begin{array}{l}
 + \geq -\infty \quad + \geq + \geq + + \\
 - \geq -\infty \quad - \geq - \geq - + (-) \\
 + \geq -\infty \quad + \geq (- \geq -) ? \{+, \} \\
 - \geq -\infty \quad - \geq (- \geq -) ? - \\
 -\infty \quad + \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \} \\
 -\infty \quad - \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}
 \end{array}$$

+	∞						
-	∞						
+	∞						
-	∞	∞					
+	∞						
-	∞						

$$+ \geq -\infty \quad + \geq + \geq + +$$

$$- \geq -\infty \quad - \geq - \geq - + (-)$$

$$+ \geq -\infty \quad + \geq (- \geq -) ? \{+, \}$$

$$- \geq -\infty \quad - \geq (- \geq -) ? -$$

$$+ \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \}$$

$$- \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$\begin{aligned}
 + &\geq -\infty & + &\geq + &\geq + &+ & & \\
 - &\geq -\infty & - &\geq - &\geq - &+ &(-) & \\
 + &\geq -\infty & + &\geq (- &\geq -) &? &\{+, \} & \\
 - &\geq -\infty & - &\geq (- &\geq -) &? &- & \\
 + &\geq -\infty & + &\geq (- &\geq - &\& + \geq) &? &\{+, \} \\
 - &\geq -\infty & - &\geq (- &\geq - &\& + \geq) &? &\{-, \}
 \end{aligned}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$\begin{aligned}
 + &\succeq -\infty^+ \succeq + \succeq + + && \text{[Redacted]} \\
 - &\succeq -\infty^- \succeq - \succeq - + (-) \\
 + &\succeq -\infty^+ \succeq (- \succeq -) ? \{+, \} \\
 - &\succeq -\infty^- \succeq (- \succeq -) ? - \\
 + &\succeq -\infty^+ \succeq (- \succeq - \& + \succeq) ? \{+, \} \\
 - &\succeq -\infty^- \succeq (- \succeq - \& + \succeq) ? \{-, \}
 \end{aligned}$$

+	∞	∞					
-	∞						
+	∞						
-	∞	∞					
+	∞						
-	∞						

$$\begin{aligned}
 + &\geq -\infty & + &\geq + & \geq + & + & & \\
 - &\geq -\infty & - &\geq - & \geq - & + & (-) & \\
 + &\geq -\infty & + &\geq (- & \geq -) & ? & \{+, \} & \\
 - &\geq -\infty & - &\geq (- & \geq -) & ? & - & \\
 + &\geq -\infty & + &\geq (- & \geq - & \& + \geq) & ? & \{+, \} \\
 - &\geq -\infty & - &\geq (- & \geq - & \& + \geq) & ? & \{-, \}
 \end{aligned}$$

+	∞	∞					
-	∞						
+	∞						
-	∞	∞					
+	∞						
-	∞						

$$\begin{aligned}
 + &\geq -\infty & + &\geq + &\geq + & + & & \\
 - &\geq -\infty & - &\geq - &\geq - & + (-) & & \\
 + &\geq -\infty & + &\geq (- &\geq -) & ? \{+, \} & & \\
 - &\geq -\infty & - &\geq (- &\geq -) & ? - & & \\
 + &\geq -\infty & + &\geq (- &\geq - & \& + \geq) & ? \{+, \} & \\
 - &\geq -\infty & - &\geq (- &\geq - & \& + \geq) & ? \{-, \} &
 \end{aligned}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$+ \geq -\infty \quad + \geq + \geq + +$$

$$- \geq -\infty \quad - \geq - \geq - + (-)$$

$$+ \geq -\infty \quad + \geq (- \geq -) ? \{+, \}$$

$$- \geq -\infty \quad - \geq (- \geq -) ? -$$

$$+ \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \}$$

$$- \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						

$$+ \geq -\infty \quad + \geq + \geq + +$$

$$- \geq -\infty \quad - \geq - \geq - + (-)$$

$$+ \geq -\infty \quad + \geq (- \geq -) ? \{+, \}$$

$$- \geq -\infty \quad - \geq (- \geq -) ? -$$

$$+ \geq -\infty \quad + \geq (- \geq - \& + \geq) ? \{+, \}$$

$$- \geq -\infty \quad - \geq (- \geq - \& + \geq) ? \{-, \}$$

+	∞						
-	∞						
+	∞						
-	∞						
+	∞						
-	∞						















