$$\text{fin sign meas } \mathbb{R} \underset{-m}{\nabla} \hbar = \frac{\mathbb{R} \overset{\Vdash}{\longleftarrow} \mathcal{M} \text{ abz alg}}{\Vdash_{\bigcup_{i}^{\mathbb{N}} M_i} = \sum_{i}^{\mathbb{N}} \Vdash_{M_i} \text{ abz add}}$$

$$E \in \mathcal{M}: \quad \Vdash_E > 0 \Rightarrow \bigvee_{E_+ \subset E} \begin{cases} \Vdash_{E_+} > 0 \\ \bigwedge\limits_{M}^{\mathcal{M}} \Vdash_{E_+ \cap M} \geqslant 0 \end{cases}$$

$$\lightning \bigwedge_{E \supset F} \Vdash_F > 0 \curvearrowright \delta(F) = \curlywedge_{F \supset M \text{ meas}} \Vdash_M < 0$$

$$\bigvee_{E \supset M_k \text{ disj } 0 \leqslant k} \Vdash_{M_k} \leqslant \frac{1}{2}\delta\left(E \llcorner \bigcup_i^k M_i\right) < 0$$

$$k = 0: \quad \Vdash_E > 0 \underset{\text{Ann}}{\Longrightarrow} \delta(E) < 0 \Rightarrow \bigvee_{E \supset M_0} \Vdash_{M_0} \leqslant \frac{1}{2}\delta(E) < 0$$

$$0 \leqslant k - 1 \curvearrowright k: \quad \text{gegeben } M_i: \quad i \in k \Rightarrow \Vdash_{E \llcorner \bigcup_i^k M_i} = \Vdash_E - \sum_i^k \Vdash_{M_i} \geqslant \Vdash_E > 0$$

$$\underset{\text{Ann}}{\Longrightarrow} \delta\left(E \llcorner \bigcup_i^k M_i\right) < 0 \Rightarrow \bigvee M_k \subset E \llcorner \bigcup_i^k M_i: \quad \vdash_{M_k} \leqslant \frac{1}{2}\delta\left(E \llcorner \bigcup_i^k M_i\right)$$

$$\sum_j^{\mathbb{N}} \Vdash_{M_k} = \Vdash_{\bigcup_j^{\mathbb{N}} M_k} \Rightarrow \Vdash_{M_k} \leadsto 0$$

$$F = E \llcorner \bigcup_j^{\mathbb{N}} M_k \Rightarrow \Vdash_F = \Vdash_E - \sum_j^{\mathbb{N}} \Vdash_{M_k} > \Vdash_E > 0 \underset{\text{Ann}}{\Longrightarrow} \delta(F) < 0$$

$$\Rightarrow \bigvee_{M \subset F} \Vdash_M \leqslant \frac{1}{2}\delta(F) \Rightarrow \bigwedge_j^{\mathbb{N}} M \subset E \ni \bigcup_i^k M_i \Rightarrow 0 > \Vdash_M \geqslant \delta\left(E \llcorner \bigcup_i^k M_i\right) \geqslant 2 \Vdash_{M_k} \leadsto 0 \lightning$$

$$\bigvee_{E_+ \subset E} \begin{cases} \Vdash_{E_+} > 0 \\ \delta(E_+) \geqslant 0 \end{cases}$$