$$\sum_{n}^{\mathbb{N}} \overline{\ulcorner {}_{n} \urcorner} < +\infty \underset{\text{Umordnung}}{\Longrightarrow} \sum_{n}^{\mathbb{N}} \overline{\ulcorner {}_{n} \urcorner} = \sum_{n}^{\mathbb{N}} \overline{\ulcorner {}_{\pi(n)} \urcorner}$$

$$\bigwedge_{\varepsilon}^{>0} \bigvee_{\text{fin } M}^{\subset \mathbb{N}} \bigwedge_{\text{fin } P}^{\subset \mathbb{N} \llcorner M} \overline{\ulcorner {}^{P}(\,.\,\urcorner} \leqslant \varepsilon \Longrightarrow \text{ fin } M \cup \overset{-1}{\pi} M \subset \mathbb{N}$$

$$\bigwedge_{\text{fin } N}^{M \cup \overset{-1}{\pi} M \subset \cdot \subset \mathbb{N}} \begin{cases} N \cap M = M = \pi N \cap M \\ \text{fin } N \llcorner M \subset \mathbb{N} \llcorner M \\ \text{fin } \pi N \llcorner M \subset \mathbb{N} \llcorner M \end{cases}$$

$$\overline{\ulcorner {}^{N}(\,.\,\urcorner - {}^{N}(\,{}_{.\pi}\urcorner} = \overline{\ulcorner {}^{N}(\,.\,\urcorner - {}^{\pi N}(\,.\,\urcorner} = \overline{\ulcorner \frac{{}^{N \cap M}(\,.\,\urcorner}{2} \left(= {}^{M}(\,.\,\urcorner\right) + {}^{N \llcorner M}(\,.\,\urcorner - \frac{{}^{\pi N \cap M}(\,.\,\urcorner}{2} \left(= {}^{M}(\,.\,\urcorner\right) - {}^{\pi N \llcorner M}(\,.\,\urcorner}$$

$$= \overline{\ulcorner {}^{N \llcorner M}(\,.\,\urcorner - {}^{\pi N \llcorner M}(\,.\,\urcorner} \leqslant \overline{\ulcorner {}^{N \llcorner M}(\,.\,\urcorner} + \overline{\ulcorner {}^{\pi N \llcorner M}(\,.\,\urcorner} \leqslant 2\varepsilon$$