$$\daleth : \,\mathbin{\bar\wedge} \in \triangleleft^{2}_{0}\mathbb{K}\ \text{HilbR}$$

$$\overset{2}{\text{free}}\, S$$

$$\mathbb{K}\triangledown^{2}_{m}\bar{S}$$

$$\downarrow$$

$$\daleth$$

$$\mathbb{K}\triangledown^{2}_{m}\bar{S} \ni {}^{s}_{S}\overset{\frown}{{}_{s}\daleth} \ \lightning \ \sum_{s \in S} s_{s}\daleth$$

$$(\daleth_{s})^{s}_{\bar{S}} \curvearrowright s\,\bar{\daleth}_{s} \sum_{s \in S}$$

$$.\daleth \in \mathbb{K}\triangledown^{2}_{m}\bar{S} \Longrightarrow \sum_{s \in S} s_{\Rightarrow}\daleth\, \bar{\llcorner} n$$

$$\text{fin } M \subset N \subset S \Longrightarrow \overbrace{\sum_{s \in N} s_{s}\daleth - \sum_{s \in M} s_{s}\daleth}^{2} = \overbrace{\sum_{s \in N \llcorner M} s_{s}\daleth}^{2} = \sum_{s \in N \llcorner M} \overbrace{s_{s}\daleth}^{2} \leadsto 0$$

$$\Longrightarrow \daleth \ni \sum_{s \in M} s_{\vdash}\daleth \ \underset{\text{Cau}}{i} \ \underset{\text{voll}}{\Longrightarrow} \bigvee \daleth \ni \sum_{s \in S} s_{\Rightarrow}\daleth \ \underset{M \subset S}{j} \sum_{s \in M} s_{s}\daleth$$

$$_{s}\daleth = s\bar\wedge \overbrace{\sum_{t \in S} t_{t}\daleth}$$

$$\mathbb{K} \xleftarrow[\text{lin stet}]{s\bar\wedge} \daleth \Longrightarrow s\bar\wedge \overbrace{\sum_{t \in S} t_{t}\daleth} \ \underset{N \subset S}{\leftsquigarrow} \ s\bar\wedge \overbrace{\sum_{t \in N} t_{t}\daleth} = \sum_{t \in N} \underbrace{s\bar\wedge t}_{=\delta_{s:t}} {}_{t}\daleth = {}_{s}\daleth$$

$$_{s}\daleth = \overbrace{\llcorner_{t}\bar{s} \sum_{t \in S}} \bar\wedge s$$