【3】 $\hat{e}_3(\xi, 1, 3; f, \mathrm{Y}, q) = \hat{e}_3(\xi, 1, 3; f, \mathrm{Y}, 0)$

$$-\sum_{j=1}^{n} q(j)\ \delta\ (\xi\ (\mathbb{3}) - \mathrm{Y}\ (\xi\ (\{4\}), \square, j))$$

【4】 $\hat{e}_3(\xi, 2, 3; f, \mathrm{Y}, q) = \hat{e}_3(\xi, 2, 3; f, \mathrm{Y}, 0)$

$\hat{e}_5$の定義: $\forall n \in \mathbb{N};\ \forall f \in \mathrm{F}_{2,n};\ \forall \mathrm{E} \in \mathrm{F}_3;\ \forall m \in \mathbb{R}(\mathbb{2} \times \{1, \cdots, n\});$

$\forall (t, i, k) \in \mathrm{N}_{2,n};$

$$\hat{e}_5(t, i, k; f, \mathrm{E}, m) = m(1, k) \frac{\partial}{\partial t(4)} \left[\frac{\partial_4 f(t, i, k)}{\sqrt{1 - |\partial_4 f(t, \square, k)|^2}} \right]$$
$$- m(2, k)\ \lambda\ (t, i; f(\square, \square, k), \mathrm{E})$$

e_1の定義: $\forall f \in \mathrm{F}_1;\ \forall m \in \mathbb{R}(\mathbb{2});\ \forall n \in \mathbb{N};\ \forall \mathrm{Z} \in \mathrm{F}_{4,n};$

$\forall \mathrm{M} \in \mathbb{R}(\{1, \cdots, n\});$

$e_1(f, \mathrm{Z}, \mathrm{M}, m) \Leftrightarrow [\forall (t, i) \in \mathrm{N}_1;\ \hat{e}_1(t, i; f, \mathrm{Z}, \mathrm{M}, m) = 0]$

e_2の定義: $\forall n \in \mathbb{N};\ \forall f \in \mathrm{F}_{2,n};\ \forall \mathrm{E} \in \mathrm{F}_3;\ \forall m \in \mathbb{R}(\mathbb{2} \times \{1, \cdots, n\});$

$e_2(f, \mathrm{E}, m) \Leftrightarrow [\forall (t, i, k) \in \mathrm{N}_{2,n};\ \hat{e}_2(t, i, k; f, \mathrm{E}, m) = 0]$

e_3の定義: $\forall f \in \mathrm{F}_3;\ \forall n \in \mathbb{N};\ \forall \mathrm{Y} \in \mathrm{F}_{2,n};\ \forall q \in \mathbb{R}(\{1, \cdots, n\});$

$e_3(f, \mathrm{Y}, q) \Leftrightarrow [\forall (\xi, i, k) \in \mathrm{N}_{24};\ \hat{e}_3(\xi, i, k; f, \mathrm{Y}, q) = 0]$

e_4の定義: $\forall n \in \mathbb{N};\ \forall f \in \mathrm{F}_{4,n};\ \forall m \in \mathbb{R}(\mathbb{2} \times \{1, \cdots, n\});$

$e_4(f, m) \Leftrightarrow [e_2(f(\mathrm{N}_{2,n}), f(\mathrm{N}_3), m)$ and $e_3(f(\mathrm{N}_3), f(\mathrm{N}_{2,n}), m(2, \square))]$

e_5の定義: $\forall n \in \mathbb{N};\ \forall f \in \mathrm{F}_{4,n};\ \forall m \in \mathbb{R}(\mathbb{2} \times \{1, \cdots, n\});$

$e_5(f, m) \Leftrightarrow [e_3(f(\mathrm{N}_3), f(\mathrm{N}_{2,n}), m(2, \square))$

and $\forall (t, i, k) \in \mathrm{N}_{2,n};\ \hat{e}_5(t, i, k; f(\mathrm{N}_{2,n}), f(\mathrm{N}_3), m) = 0]$

e_{12}の定義: $\forall f \in \mathrm{F}_{12};\ \forall \mathrm{E} \in \mathrm{F}_3;\ e_{12}(f, \mathrm{E}) \Leftrightarrow$ [【1】 or 【2】]

【1】 $f = 0 \in \mathbb{R}$

【2】 $\exists n \in \mathbb{N};\ f \in \mathrm{F}_{12,n}$ and $e_2(f(\square, \square, \square), \mathrm{E}, f(\square, \square))$

e_{14}の定義: $\forall f \in \mathrm{F}_{14};\ e_{14}(f) \Leftrightarrow$ [【1】 or 【2】]

【1】 $f \in \mathrm{F}_3$ and $e_3(f, \mathrm{Y}, 0)$

【2】 $\exists n \in \mathbb{N};\ f \in \mathrm{F}_{14,n}$ and $e_4(f(\square, \square, \square), f(\square, \square))$