

ことが出来る。

⑤  $\forall E \in F_3; \forall m \in \mathbb{R}(2 \times 1); \exists G \in \mathbb{R}(N_1 \times \mathbb{R}(3) \times \mathbb{R}(3));$

$\forall f \in F_{2,1}; [3] \Rightarrow [1] \Leftrightarrow [2]$

[1]  $e_2(f, E, m)$

[2]  $\forall (t, i) \in N_1; f(t, i, 1) = G(t, i; f(0, \square, 1), \partial_4 f(0, \square, 1))$

[3]  $m(1, 1) > 0$

⑥  $\forall n \in \mathbb{N}; \forall Z \in F_{4,n}; \forall M \in \mathbb{R}(\{1, \dots, n\}); \forall m \in \mathbb{R}(2);$

$\exists G \in \mathbb{R}(N_1 \times \mathbb{R}(3) \times \mathbb{R}(3)); \forall f \in F_1; [3] \Rightarrow [1] \Rightarrow [2]$

[1]  $e_1(f, Z, M, m)$

[2]  $\forall (t, i) \in N_1; f(t, i) = G(t, i; f(0, \square), \partial_4 f(0, \square))$

[3]  $m(1, 1) > 0$

⑦  $\forall E \in F_3; \forall n \in \mathbb{N}; \forall m \in \mathbb{R}(2 \times \{1, \dots, n\});$

$\exists G \in \mathbb{R}(N_{2,n} \times \mathbb{R}(3 \times \{1, \dots, n\}) \times \mathbb{R}(3 \times \{1, \dots, n\}));$

$\forall f \in F_{2,n}; [3] \Rightarrow [1] \Rightarrow [2]$

[1]  $e_2(f, E, m)$

[2]  $\forall (t, i, k) \in N_{2,n}; f(t, i, k) = G(t, i, k; f(0, \square, \square), \partial_4 f(0, \square, \square))$

[3]  $\forall k \in \{1, \dots, n\}; m(1, k) > 0$

⑧  $\forall n \in \mathbb{N}; \forall Y \in F_{2,n}; \forall q \in \mathbb{R}(\{1, \dots, n\});$

$\exists G \in \mathbb{R}(N_3 \times \mathbb{R}(\mathbb{R}(3) \times N_{\frac{3}{2}}));$

$\forall f \in F_3; \forall Z \in \mathbb{R}(\mathbb{R}(3) \times N_{\frac{3}{2}}); [3] \Rightarrow [1] \Rightarrow [2]$

[1]  $e_3(f, Y, q)$

[2]  $\forall (\xi, i, k) \in N_3; f(\xi, i, k) = G(\xi, i, k; Z)$

[3]  $\forall (\xi, i, k) \in N_3; \xi(4) = 0 \Rightarrow f(\xi, i, k) = Z(\xi(3), i, k)$