

t4_metric_6
(TMJ42h27Tet24JkeY1XQyf422Z5HVnG1yAG)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v1_metric_1 : \iota \Rightarrow o$ be given. Let $v6_metric_1 : \iota \Rightarrow o$ be given. Let $v7_metric_1 : \iota \Rightarrow o$ be given. Let $v8_metric_1 : \iota \Rightarrow o$ be given. Let $v9_metric_1 : \iota \Rightarrow o$ be given. Let $l1_metric_1 : \iota \Rightarrow o$ be given. Let $v2_metric_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_metric_1 : \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $v3_metric_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4_metric_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v5_metric_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(l1_metric_1 X0) \Rightarrow ((v9_metric_1 X0) \Leftrightarrow (v5_metric_1 (u1_metric_1 X0) (u1_struct_0 X0))) \quad (1)$$

Assume the following.

$$\forall X0.(l1_metric_1 X0) \Rightarrow ((v8_metric_1 X0) \Leftrightarrow (v4_metric_1 (u1_metric_1 X0) (u1_struct_0 X0))) \quad (2)$$

Assume the following.

$$\forall X0.(l1_metric_1 X0) \Rightarrow ((v7_metric_1 X0) \Leftrightarrow (v3_metric_1 (u1_metric_1 X0) (u1_struct_0 X0))) \quad (3)$$

Assume the following.

$$\forall X0.(l1_metric_1 X0) \Rightarrow ((v6_metric_1 X0) \Leftrightarrow (v2_metric_1 (u1_metric_1 X0) (u1_struct_0 X0))) \quad (4)$$

Theorem 1

$$\begin{aligned} \forall X0. (& \neg v2_struct_0 X0) \wedge ((v1_metric_1 X0) \wedge ((v6_metric_1 \\ & X0) \wedge ((v7_metric_1 X0) \wedge ((v8_metric_1 X0) \wedge ((v9_metric_1 X0) \wedge \\ & (l1_metric_1 X0)))))) \Rightarrow ((v2_metric_1 (u1_metric_1 X0) (u1_struct_0 \\ & X0)) \wedge ((v3_metric_1 (u1_metric_1 X0) (u1_struct_0 X0)) \wedge ((v4_metric_1 \\ & (u1_metric_1 X0) (u1_struct_0 X0)) \wedge (v5_metric_1 (u1_metric_1 \\ & X0) (u1_struct_0 X0)))))) \end{aligned}$$