

t8_fvaluat1

(TMLNi7RGfQn6Krej3WCP4qVE3UYhvCroegV)

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Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k1_xxreal_0 : \iota$ be given. Let $k2_xxreal_0 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k4_xxreal_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_xxreal_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k5_xxreal_3 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v1_xxreal_0 X0) \Rightarrow & (\neg(X0 \neq k1_xxreal_0) \wedge ((X0 \neq k2_xxreal_0) \wedge \\ & ((X0 \neq k6_numbers) \wedge (\neg(k4_xxreal_3 X0 (k6_xxreal_3 np_1 X0) = np_1) \wedge \\ & (k4_xxreal_3 (k6_xxreal_3 np_1 X0) X0 = np_1)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (k4_xxreal_3 np_1 X0 = X0) \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0.(v1_xxreal_0 X0) \Rightarrow & (\neg(X0 \neq k2_xxreal_0) \wedge ((X0 \neq k1_xxreal_0) \wedge \\ & ((X0 \neq k6_numbers) \wedge (k6_xxreal_3 X0 X0 \neq np_1)))) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0.(v1_xxreal_0 X0) \Rightarrow & (\forall X1.(v1_xxreal_0 X1) \Rightarrow (\forall X2. \\ & (v1_xxreal_0 X2) \Rightarrow (k4_xxreal_3 X0 (k4_xxreal_3 X1 X2) = k4_xxreal_3 \\ & (k4_xxreal_3 X0 X1) X2))) \end{aligned} \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xxreal_0 X0) \wedge (v1_xxreal_0 X1)) \Rightarrow (v1_xxreal_0 (k6_xxreal_3 X0 X1)) \quad (5)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (v1_xxreal_0 (k5_xxreal_3 X0)) \quad (6)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (k6_xxreal_3 X0 X1 = k4_xxreal_3 X0 (k5_xxreal_3 X1))) \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xxreal_0 X0)\wedge(v1_xxreal_0 X1))\Rightarrow(k4_xxreal_3 X0 X1 = k4_xxreal_3 X1 X0) \quad (8)$$

Theorem 1

$$\forall X0.(v1_xxreal_0 X0)\Rightarrow(\forall X1.(v1_xxreal_0 X1)\Rightarrow(\neg(X0\neq k1_xxreal_0)\wedge((X0\neq k2_xxreal_0)\wedge((X0\neq k6_numbers)\wedge(k4_xxreal_3(k6_xxreal_3 X1 X0) X0\neq X1))))))$$