

t9_fvaluat1 (TMZhrPsGozo-
JziU7LRKvmzR3p5NdK4Mw9na)

October 27, 2020

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

$$\begin{aligned} & \forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (\neg \\ & (X0 \neq k1_xxreal_0) \wedge ((X0 \neq k2_xxreal_0) \wedge ((X0 \neq k6_numbers) \wedge (k4_xxreal_3 \\ & (k6_xxreal_3 X1 X0) X0 \neq X1)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (k4_xxreal_3 X0 k6_numbers = k6_numbers) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xxreal_0 X0) \wedge (v1_xxreal_0 X1)) \Rightarrow (v1_xxreal_0 (k6_xxreal_3 X0 X1)) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xxreal_0 X0) \wedge (v1_xxreal_0 X1)) \Rightarrow (k4_xxreal_3 X0 X1 = k4_xxreal_3 X1 X0) \quad (4)$$

Theorem 1

$$\begin{aligned} & \forall X0.(v1_xxreal_0 X0) \Rightarrow (\forall X1.(v1_xxreal_0 X1) \Rightarrow (\neg \\ & (X0 \neq k2_xxreal_0) \wedge ((X0 \neq k1_xxreal_0) \wedge ((X1 \neq k6_numbers) \wedge ((X0 \neq \\ & k6_numbers) \wedge (k6_xxreal_3 X1 X0 = k6_numbers)))))) \end{aligned}$$