

t41_cgames_1
(TMV1vjS3BHvAZAbodiHKkAxYr1Q6Ro3h5Up)

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Let $v2_cgames_1 : \iota \Rightarrow o$ be given. Let $k6_cgames_1 : \iota \Rightarrow \iota$ be given. Let $k13_cgames_1 : \iota \Rightarrow \iota$ be given. Let $k7_cgames_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v2_cgames_1 X0) \Rightarrow (k13_cgames_1 (k13_cgames_1 X0) = X0) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.(v2_cgames_1 X0) \Rightarrow & ((\forall X1.(X1 \in k6_cgames_1 (k13_cgames_1 \\ & X0)) \Leftrightarrow (\exists X2.(v2_cgames_1 X2) \wedge ((X2 \in k7_cgames_1 X0) \wedge (X1 = \\ & k13_cgames_1 X2)))) \wedge (\forall X1.(X1 \in k7_cgames_1 (k13_cgames_1 \\ & X0)) \Leftrightarrow (\exists X2.(v2_cgames_1 X2) \wedge ((X2 \in k6_cgames_1 X0) \wedge (X1 = \\ & k13_cgames_1 X2)))))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0.(v2_cgames_1 X0) \Rightarrow (v2_cgames_1 (k13_cgames_1 X0)) \quad (3)$$

Theorem 1

$$\begin{aligned} \forall X0.(v2_cgames_1 X0) \Rightarrow & (\forall X1.(v2_cgames_1 X1) \Rightarrow ((\\ & (X0 \in k6_cgames_1 (k13_cgames_1 X1)) \Rightarrow (k13_cgames_1 X0 \in k7_cgames_1 \\ & X1)) \wedge (((k13_cgames_1 X0 \in k7_cgames_1 X1) \Rightarrow (X0 \in k6_cgames_1 (k13_cgames_1 \\ & X1))) \wedge ((X0 \in k6_cgames_1 X1) \Rightarrow (k13_cgames_1 X0 \in k7_cgames_1 (\\ & k13_cgames_1 X1))) \wedge ((k13_cgames_1 X0 \in k7_cgames_1 (k13_cgames_1 \\ & X1)) \Rightarrow (X0 \in k6_cgames_1 X1)) \wedge ((X0 \in k7_cgames_1 (k13_cgames_1 \\ & X1)) \Rightarrow (k13_cgames_1 X0 \in k6_cgames_1 X1)) \wedge ((k13_cgames_1 X0 \in \\ & k6_cgames_1 X1) \Rightarrow (X0 \in k7_cgames_1 (k13_cgames_1 X1))) \wedge ((X0 \in \\ & k7_cgames_1 X1) \Rightarrow (k13_cgames_1 X0 \in k6_cgames_1 (k13_cgames_1 \\ & X1))) \wedge ((k13_cgames_1 X0 \in k6_cgames_1 (k13_cgames_1 X1)) \Rightarrow (X0 \in \\ & k7_cgames_1 X1)))))) \end{aligned}$$