

l14_gfacirc1

(TMJnssUuS8juYWn6c2nV7K3HvDbJ3DTsBpc)

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Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k6_margrel1 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (X0 \neq k4_tarski (k10_finseq_1 X0 X1) X2) \wedge (X1 \neq k4_tarski (k10_finseq_1 X0 X1) X2) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_tarski X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. (X3 = k1_enumset1 X0 X1 X2) \Leftrightarrow (\forall X4. (X4 \in X3) \Leftrightarrow (\neg (X4 \neq X0) \wedge ((X4 \neq X1) \wedge (X4 \neq X2)))) \quad (3)$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_funct_1 X0) \wedge ((v1_funct_2 X0 (k4_finseq_2 np_2 \\ & k6_margrel1) k6_margrel1) \wedge (m1_subset_1 X0 (k1_zfmisc_1 (k2_zfmisc_1 \\ & (k4_finseq_2 np_2 k6_margrel1) k6_margrel1)))))) \Rightarrow (\forall X1. \\ & ((v1_funct_1 X1) \wedge ((v1_funct_2 X1 (k4_finseq_2 np_2 k6_margrel1) \\ & k6_margrel1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 (k4_finseq_2 \\ & np_2 k6_margrel1) k6_margrel1)))))) \Rightarrow (\forall X2.((v1_funct_1 \\ & X2) \wedge ((v1_funct_2 X2 (k4_finseq_2 np_2 k6_margrel1) k6_margrel1) \wedge \\ & (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 (k4_finseq_2 np_2 \\ & k6_margrel1) k6_margrel1)))))) \Rightarrow (\forall X3. \forall X4. \forall X5. \\ & \neg (X3 \neq k4_tarski (k10_finseq_1 X4 X5) X1) \wedge ((X4 \neq k4_tarski (k10_finseq_1 \\ & X5 X3) X2) \wedge ((X5 \neq k4_tarski (k10_finseq_1 X3 X4) X0) \wedge (\neg (\neg k4_tarski \\ & (k10_finseq_1 X3 X4) X0 \in k2_tarski X4 X5) \wedge ((\neg X5 \in k2_tarski (k4_tarski \\ & (k10_finseq_1 X3 X4) X0) (k4_tarski (k10_finseq_1 X4 X5) X1)) \wedge \\ & (\neg X3 \in k2_tarski (k4_tarski (k10_finseq_1 X3 X4) X0) (k4_tarski \\ & (k10_finseq_1 X4 X5) X1)) \wedge (\neg k4_tarski (k10_finseq_1 X5 X3) X2 \in \\ & k1_enumset1 X3 X4 X5))))))))) \end{aligned}$$