

t25_toler_1 (TMXyvaYLS- DtLDYF2grkT81Amhhd2BGJxC7v)

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Let $v1_relat_2 : \iota \Rightarrow o$ be given. Let $v3_relat_2 : \iota \Rightarrow o$ be given. Let $v1_partfun1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ 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 $r2_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (m1_subset_1 X2 (k1_zfmisc_1 \\ & (k2_zfmisc_1 X0 X1))) \Rightarrow (\forall X3. (m1_subset_1 X3 (k1_zfmisc_1 \\ & (k2_zfmisc_1 X0 X1))) \Rightarrow ((r2_relset_1 X0 X1 X2 X3) \Leftrightarrow (\forall X4. (\\ & m1_subset_1 X4 X0) \Rightarrow (\forall X5. (m1_subset_1 X5 X1) \Rightarrow ((k4_tarski \\ & X4 X5 \in X2) \Leftrightarrow (k4_tarski X4 X5 \in X3)))))) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. ((v1_relat_2 X1) \wedge ((v3_relat_2 X1) \wedge ((v1_partfun1 \\ & X1 (k3_tarski X0)) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 \\ & (k3_tarski X0) (k3_tarski X0))))))) \Rightarrow (\forall X2. ((v1_relat_2 \\ & X2) \wedge ((v3_relat_2 X2) \wedge ((v1_partfun1 X2 (k3_tarski X0)) \wedge (m1_subset_1 \\ & X2 (k1_zfmisc_1 (k2_zfmisc_1 (k3_tarski X0) (k3_tarski X0))))))) \Rightarrow \\ & (((\forall X3. \forall X4. (k4_tarski X3 X4 \in X1) \Leftrightarrow (\exists X5. (X5 \in \\ & X0) \wedge ((X3 \in X5) \wedge (X4 \in X5)))) \wedge (\forall X3. \forall X4. (k4_tarski \\ & X3 X4 \in X2) \Leftrightarrow (\exists X5. (X5 \in X0) \wedge ((X3 \in X5) \wedge (X4 \in X5)))))) \Rightarrow (r2_relset_1 \\ & (k3_tarski X0) (k3_tarski X0) X1 X2))) \end{aligned}$$