

t3_zfmisc_1
(TMcSYgbqSYsiRtji2ge2r3d372eKyepcM5P)

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Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k6_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. k6_enumset1 X0 X0 X0 X0 X0 X0 X0 X0 X0 = k1_tarski X0 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski (k1_tarski X0) X1) \Leftrightarrow (X0 \in X1) \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ & \forall X6. \forall X7. \forall X8. (X8 = k6_enumset1 X0 X1 X2 X3 X4 \\ & X5 X6 X7) \Leftrightarrow (\forall X9. (X9 \in X8) \Leftrightarrow (\neg (X9 \neq X0) \wedge ((X9 \neq X1) \wedge ((X9 \neq X2) \wedge \\ & ((X9 \neq X3) \wedge ((X9 \neq X4) \wedge ((X9 \neq X5) \wedge ((X9 \neq X6) \wedge (X9 \neq X7)))))))))) \end{aligned} \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. (r1_tarski (k1_tarski X0) (k1_tarski X1)) \Rightarrow (X0 = X1)$$