

t12_inensp_1 (TM-
PUpP2DvDMKy9vNwgaBSV3hmLQM1CF7diF)

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Let $l2_inensp_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $u1_inensp_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v3_inensp_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u2_inensp_1 : \iota \Rightarrow \iota$ be given. Let $r4_inensp_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $l1_inensp_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(l2_inensp_1 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (u2_inensp_1 \\ & X0)) \Rightarrow (\forall X2.(m1_subset_1 X2 (k1_zfmisc_1 (u1_inensp_1 X0))) \Rightarrow \\ & (\forall X3.(m1_subset_1 X3 (k1_zfmisc_1 (u1_inensp_1 X0))) \Rightarrow (\\ & ((r1_tarski X2 X3) \wedge (r4_inensp_1 X0 X3 X1)) \Rightarrow (r4_inensp_1 X0 X2 X1)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(l2_inensp_1 X0) \Rightarrow (l1_inensp_1 X0) \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0.(l1_inensp_1 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ & (u1_inensp_1 X0))) \Rightarrow ((v3_inensp_1 X1 X0) \Leftrightarrow (\exists X2.(m1_subset_1 \\ & X2 (u2_inensp_1 X0)) \wedge (r4_inensp_1 X0 X1 X2)))) \end{aligned} \quad (3)$$

Theorem 1

$$\begin{aligned} & \forall X0.(l2_inensp_1 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ & (u1_inensp_1 X0))) \Rightarrow (\forall X2.(m1_subset_1 X2 (k1_zfmisc_1 (\\ & u1_inensp_1 X0))) \Rightarrow (((r1_tarski X1 X2) \wedge (v3_inensp_1 X2 X0)) \Rightarrow (v3_inensp_1 \\ & X1 X0)))) \end{aligned}$$