

t13_incsp_1

(TMWhctY5P7d2zNkjbW8NkpAsMi3kEkWBzmE)

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Let $l2_incsp_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $u1_incsp_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4_incsp_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u4_incsp_1 : \iota \Rightarrow \iota$ be given. Let $r5_incsp_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(l2_incsp_1 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (u4_incsp_1 \\ & X0)) \Rightarrow (\forall X2.(m1_subset_1 X2 (k1_zfmisc_1 (u1_incsp_1 X0))) \Rightarrow \\ & (\forall X3.(m1_subset_1 X3 (k1_zfmisc_1 (u1_incsp_1 X0))) \Rightarrow (\\ & ((r1_tarski X2 X3) \wedge (r5_incsp_1 X0 X3 X1)) \Rightarrow (r5_incsp_1 X0 X2 X1)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.(l2_incsp_1 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ & (u1_incsp_1 X0))) \Rightarrow ((v4_incsp_1 X1 X0) \Leftrightarrow (\exists X2.(m1_subset_1 \\ & X2 (u4_incsp_1 X0)) \wedge (r5_incsp_1 X0 X1 X2)))) \end{aligned} \quad (2)$$

Theorem 1

$$\begin{aligned} & \forall X0.(l2_incsp_1 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ & (u1_incsp_1 X0))) \Rightarrow (\forall X2.(m1_subset_1 X2 (k1_zfmisc_1 (\\ & u1_incsp_1 X0))) \Rightarrow (((r1_tarski X1 X2) \wedge (v4_incsp_1 X2 X0)) \Rightarrow (v4_incsp_1 \\ & X1 X0)))) \end{aligned}$$