

t6\_inbsp\_1

(TMP99YDmqZaX2K8mpCVM8sQ8W4yy5uQpvWi)

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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  $u2\_incsp\_1 : \iota \Rightarrow \iota$  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  $r4\_incsp\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $l1\_incsp\_1 : \iota \Rightarrow o$  be given. Let  $r1\_incsp\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(l2\_incsp\_1 X0) \Rightarrow (l1\_incsp\_1 X0) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.(l1\_incsp\_1 X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 \\ (u1\_incsp\_1 X0))) \Rightarrow (\forall X2.(m1\_subset\_1 X2 (u2\_incsp\_1 X0)) \Rightarrow \\ ((r4\_incsp\_1 X0 X1 X2) \Leftrightarrow (\forall X3.(m1\_subset\_1 X3 (u1\_incsp\_1 \\ X0)) \Rightarrow ((X3 \in X1) \Rightarrow (r1\_incsp\_1 X0 X3 X2)))))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (3)$$

**Theorem 1**

$$\begin{aligned} \forall X0.(l2\_incsp\_1 X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (u2\_incsp\_1 \\ X0)) \Rightarrow (\forall X2.(m1\_subset\_1 X2 (k1\_zfmisc\_1 (u1\_incsp\_1 X0))) \Rightarrow \\ (\forall X3.(m1\_subset\_1 X3 (k1\_zfmisc\_1 (u1\_incsp\_1 X0))) \Rightarrow ( \\ ((r1\_tarski X2 X3) \wedge (r4\_incsp\_1 X0 X3 X1)) \Rightarrow (r4\_incsp\_1 X0 X2 X1)))))) \end{aligned}$$