t8_yellow_2 (TM-PAMxa8QBpghwgGDzVfDvcvMuRzkF962GU)

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Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $l1\_orders\_2 : \iota \Rightarrow o$ be given. Let $v4\_yellow\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1\_yellow\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $v2\_waybel\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_waybel\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_relset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_orders\_2 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.((\neg v2\_struct\_0\ X1) \wedge (l1\_orders\_2\ X1)) \Rightarrow (\forall X2.((\neg v2\_struct\_0\ X2) \wedge (m1\_yellow\_0\ X2\ X1)) \Rightarrow ((((v1\_waybel\_0\ X0\ X2) \wedge (m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X2)))) \Rightarrow ((v1\_waybel\_0\ X0\ X1) \wedge (m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X1))))) \wedge (((v2\_waybel\_0\ X0\ X2) \wedge (m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X2)))) \Rightarrow ((v2\_waybel\_0\ X0\ X1) \wedge (m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X1))))))) \tag{1}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow (\forall X1.((v4\_yellow\_0\ X1\ X0) \wedge (m1\_yellow\_0\ X1\ X0)) \Rightarrow (\forall X2.((v4\_yellow\_0\ X2\ X0) \wedge (m1\_yellow\_0\ X2\ X0)) \Rightarrow ((r1\_tarski\ (u1\_struct\_0\ X1)\ (u1\_struct\_0\ X2)) \Rightarrow (r1\_relset\_1\ (u1\_struct\_0\ X1)\ (u1\_struct\_0\ X1)\ (u1\_orders\_2\ X1)\ (u1\_orders\_2\ X2))))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ X1)) \Leftrightarrow (r1\_tarski\ X0\ X1) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1))) \Rightarrow ((r1\_relset\_1\ X0\ X1\ X2\ X3) \Leftrightarrow (r1\_tarski\ X2\ X3)) \tag{4}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0)\Rightarrow(m1\_subset\_1\ (u1\_orders\_2\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (u1\_struct\_0\ X0)))) \tag{5}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0)\Rightarrow(\forall X1.(m1\_yellow\_0\ X1\ X0)\Rightarrow(l1\_orders\_2\ X1)) \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1)\Leftrightarrow(\forall X2.(X2\in X0)\Rightarrow(X2\in X1)) \tag{7}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0)\Rightarrow(\forall X1.(l1\_orders\_2\ X1)\Rightarrow((m1\_yellow\_0\ X1\ X0)\Leftrightarrow((r1\_tarski\ (u1\_struct\_0\ X1)\ (u1\_struct\_0\ X0))\wedge(r1\_tarski\ (u1\_orders\_2\ X1)\ (u1\_orders\_2\ X0))))) \tag{8}$$

Theorem 1

$$\forall X0.((\neg v2\_struct\_0\ X0)\wedge(l1\_orders\_2\ X0))\Rightarrow(\forall X1.((\neg v2\_struct\_0\ X1)\wedge((v4\_yellow\_0\ X1\ X0)\wedge(m1\_yellow\_0\ X1\ X0)))\Rightarrow(\forall X2.((\neg v2\_struct\_0\ X2)\wedge((v4\_yellow\_0\ X2\ X0)\wedge(m1\_yellow\_0\ X2\ X0)))\Rightarrow((r1\_tarski\ (u1\_struct\_0\ X1)\ (u1\_struct\_0\ X2))\Rightarrow(\forall X3.(m1\_subset\_1\ X3\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X1)))\Rightarrow((m1\_subset\_1\ X3\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X2)))\wedge(\forall X4.(m1\_subset\_1\ X4\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X2)))\Rightarrow((X3=X4)\Rightarrow(((v2\_waybel\_0\ X3\ X1)\Rightarrow(v2\_waybel\_0\ X4\ X2))\wedge((v1\_waybel\_0\ X3\ X1)\Rightarrow(v1\_waybel\_0\ X4\ X2))))))))))$$