t1_waybel15 (TMRX53mCNj9voTYTM9FPtGp8cHgkVxjvRWo)

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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 $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_wellord1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_toler\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_orders\_2 : \iota \Rightarrow \iota$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow (\forall X1.(m1\_yellow\_0\ X1\ X0) \Rightarrow (\forall X2.(m1\_yellow\_0\ X2\ X1) \Rightarrow (m1\_yellow\_0\ X2\ X0))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(v1\_relat\_1\ X2) \Rightarrow ((r1\_tarski\ X0\ X1) \Rightarrow (k2\_wellord1\ (k2\_wellord1\ X2\ X1)\ X0 = k2\_wellord1\ X2\ X0)) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(v1\_relat\_1\ X0) \Rightarrow (k1\_toler\_1\ X0\ X1 = k2\_wellord1\ X0\ X1) \tag{3}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow (m1\_subset\_1\ (u1\_orders\_2\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (u1\_struct\_0\ X0)))) \tag{4}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow (\forall X1.(m1\_yellow\_0\ X1\ X0) \Rightarrow (l1\_orders\_2\ X1)) \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.(v1\_relat\_1\ X0) \Rightarrow (v1\_relat\_1\ (k2\_wellord1\ X0\ X1)) \tag{6}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0)\Rightarrow(\forall X1.(m1\_yellow\_0\ X1\ X0)\Rightarrow ((v4\_yellow\_0\ X1\ X0)\Leftrightarrow(u1\_orders\_2\ X1 = k1\_toler\_1\ (u1\_orders\_2\ X0)\ (u1\_struct\_0\ X1)))) \tag{7}$$

Assume the following.

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

Assume the following.

$$\forall X0.\forall X1.\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1)))\Rightarrow(v1\_relat\_1\ X2) \tag{9}$$

Theorem 1

$$\forall X0.(l1\_orders\_2\ X0)\Rightarrow(\forall X1.((v4\_yellow\_0\ X1\ X0)\wedge (m1\_yellow\_0\ X1\ X0))\Rightarrow(\forall X2.((v4\_yellow\_0\ X2\ X1)\wedge(m1\_yellow\_0\ X2\ X1))\Rightarrow((v4\_yellow\_0\ X2\ X0)\wedge(m1\_yellow\_0\ X2\ X0))))$$