t23_yellow15 (TMQu8ojQtu4kPNa2kXpCWGxeYk8kAxf9HGF)

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Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $l1\_orders\_2 : \iota \Rightarrow o$ be given. Let $v3\_waybel23 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $v4\_waybel23 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_orders\_2 : \iota \Rightarrow o$ be given. Let $k5\_yellow\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v4\_yellow\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v7\_yellow\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v8\_yellow\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $l1\_struct\_0 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge (l1\_orders\_2\ X0)) \Rightarrow ((v1\_orders\_2\ (k5\_yellow\_0\ X0\ (k2\_struct\_0\ X0))) \wedge ((v4\_yellow\_0\ (k5\_yellow\_0\ X0\ (k2\_struct\_0\ X0))\ X0) \wedge ((v7\_yellow\_0\ (k5\_yellow\_0\ X0\ (k2\_struct\_0\ X0))\ X0) \wedge (v8\_yellow\_0\ (k5\_yellow\_0\ X0\ (k2\_struct\_0\ X0))\ X0)))) \tag{1}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow (l1\_struct\_0\ X0) \tag{2}$$

Assume the following.

$$\forall X0.(l1\_struct\_0\ X0) \Rightarrow (m1\_subset\_1\ (k2\_struct\_0\ X0)\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \tag{3}$$

Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge (l1\_orders\_2\ X0)) \Rightarrow (\forall X1.\ (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \Rightarrow ((v4\_waybel23\ X1\ X0) \Leftrightarrow (v8\_yellow\_0\ (k5\_yellow\_0\ X0\ X1)\ X0))) \tag{4}$$

Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge (l1\_orders\_2\ X0)) \Rightarrow (\forall X1.\ (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \Rightarrow ((v3\_waybel23\ X1\ X0) \Leftrightarrow (v7\_yellow\_0\ (k5\_yellow\_0\ X0\ X1)\ X0))) \tag{5}$$

Theorem 1

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge (l1\_orders\_2\ X0)) \Rightarrow ((v3\_waybel23\ (k2\_struct\_0\ X0)\ X0) \wedge (v4\_waybel23\ (k2\_struct\_0\ X0)\ X0))$$