t32_waybel15 (TMXHdZf4R3yqfbRkfhi9YxH53aBhBsP8igq)

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Let $v3\_orders\_2 : \iota \Rightarrow o$ be given. Let $v4\_orders\_2 : \iota \Rightarrow o$ be given. Let $v5\_orders\_2 : \iota \Rightarrow o$ be given. Let $v1\_lattice3 : \iota \Rightarrow o$ be given. Let $v2\_lattice3 : \iota \Rightarrow o$ be given. Let $v11\_waybel\_1 : \iota \Rightarrow o$ be given. Let $l1\_orders\_2 : \iota \Rightarrow o$ be given. Let $v3\_waybel\_8 : \iota \Rightarrow o$ be given. Let $v3\_lattice3 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_waybel15 : \iota \Rightarrow \iota$ be given. Let $k1\_yellow\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_waybel\_5 : \iota \Rightarrow o$ be given. Let $r5\_waybel\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_yellow\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((v3\_orders\_2\ X0) \wedge ((v4\_orders\_2\ X0) \wedge ((v5\_orders\_2\ X0) \wedge ((v1\_lattice3\ X0) \wedge ((v2\_lattice3\ X0) \wedge ((v11\_waybel\_1\ X0) \wedge (l1\_orders\_2\ X0)))))) \Rightarrow ((v3\_waybel\_8\ X0) \Leftrightarrow (v1\_waybel\_5\ X0)) \tag{1}$$

Assume the following.

$$\forall X0.((v3\_orders\_2\ X0) \wedge ((v4\_orders\_2\ X0) \wedge ((v5\_orders\_2\ X0) \wedge ((v1\_lattice3\ X0) \wedge ((v2\_lattice3\ X0) \wedge ((v11\_waybel\_1\ X0) \wedge (l1\_orders\_2\ X0)))))) \Rightarrow ((v3\_waybel\_8\ X0) \Leftrightarrow (\exists X1.r5\_waybel\_1\ X0\ (k3\_yellow\_1\ X1))) \tag{2}$$

Assume the following.

$$\forall X0.((v3\_orders\_2\ X0) \wedge ((v4\_orders\_2\ X0) \wedge ((v5\_orders\_2\ X0) \wedge ((v1\_lattice3\ X0) \wedge ((v2\_lattice3\ X0) \wedge ((v11\_waybel\_1\ X0) \wedge (l1\_orders\_2\ X0)))))) \Rightarrow (\neg(v3\_lattice3\ X0) \wedge ((\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ X0)) \Rightarrow (\exists X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \wedge ((r1\_tarski\ X2\ (k1\_waybel15\ X0)) \wedge (X1 = k1\_yellow\_0\ X0\ X2)))) \wedge (\forall X1.\neg r5\_waybel\_1\ X0\ (k3\_yellow\_1\ X1)))) \tag{3}$$

Assume the following.

$$\forall X0.((v3\_orders\_2\ X0)\wedge((v4\_orders\_2\ X0)\wedge((v5\_orders\_2\ X0)\wedge((v1\_lattice3\ X0)\wedge((v2\_lattice3\ X0)\wedge((v11\_waybel\_1\ X0)\wedge(l1\_orders\_2\ X0)))))))\Rightarrow((v1\_waybel\_5\ X0)\Rightarrow((v3\_lattice3\ X0)\wedge(\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ X0))\Rightarrow(\exists X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))\wedge((r1\_tarski\ X2\ (k1\_waybel15\ X0))\wedge(X1 = k1\_yellow\_0\ X0\ X2))))))) \tag{4}$$

Theorem 1

$$\forall X0.((v3\_orders\_2\ X0)\wedge((v4\_orders\_2\ X0)\wedge((v5\_orders\_2\ X0)\wedge((v1\_lattice3\ X0)\wedge((v2\_lattice3\ X0)\wedge((v11\_waybel\_1\ X0)\wedge(l1\_orders\_2\ X0)))))))\Rightarrow((v3\_waybel\_8\ X0)\Leftrightarrow((v3\_lattice3\ X0)\wedge(\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ X0))\Rightarrow(\exists X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))\wedge((r1\_tarski\ X2\ (k1\_waybel15\ X0))\wedge(X1 = k1\_yellow\_0\ X0\ X2)))))))$$