t8_waybel_0 (TMYmVhHGRd-kYgN1pKPisqtrYCme8y7kouTA)

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Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $l1\_struct\_0 : \iota \Rightarrow o$ be given. Let $l1\_waybel\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_waybel\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r2\_waybel\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $r1\_orders\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_waybel\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \tag{1}$$

Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge (l1\_struct\_0\ X0)) \Rightarrow (\forall X1.((\neg v2\_struct\_0\ X1) \wedge (l1\_waybel\_0\ X1\ X0)) \Rightarrow (\forall X2.(r2\_waybel\_0\ X0\ X1\ X2) \Leftrightarrow (\forall X3.(m1\_subset\_1\ X3\ (u1\_struct\_0\ X1)) \Rightarrow (\exists X4.(m1\_subset\_1\ X4\ (u1\_struct\_0\ X1)) \wedge ((r1\_orders\_2\ X1\ X3\ X4) \wedge (k2\_waybel\_0\ X0\ X1\ X4 \in X2))))))) \tag{2}$$

Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge (l1\_struct\_0\ X0)) \Rightarrow (\forall X1.((\neg v2\_struct\_0\ X1) \wedge (l1\_waybel\_0\ X1\ X0)) \Rightarrow (\forall X2.(r1\_waybel\_0\ X0\ X1\ X2) \Leftrightarrow (\exists X3.(m1\_subset\_1\ X3\ (u1\_struct\_0\ X1)) \wedge (\forall X4.(m1\_subset\_1\ X4\ (u1\_struct\_0\ X1)) \Rightarrow ((r1\_orders\_2\ X1\ X3\ X4) \Rightarrow (k2\_waybel\_0\ X0\ X1\ X4 \in X2))))))) \tag{3}$$

Theorem 1

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge (l1\_struct\_0\ X0)) \Rightarrow (\forall X1.((\neg v2\_struct\_0\ X1) \wedge (l1\_waybel\_0\ X1\ X0)) \Rightarrow (\forall X2.\forall X3.(r1\_tarski\ X2\ X3) \Rightarrow (((r1\_waybel\_0\ X0\ X1\ X2) \Rightarrow (r1\_waybel\_0\ X0\ X1\ X3)) \wedge ((r2\_waybel\_0\ X0\ X1\ X2) \Rightarrow (r2\_waybel\_0\ X0\ X1\ X3)))))$$