t1_dilworth (TMHPMVdTNDhgJsJf68bsLmeYJvpbtkcDciu)

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Let $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.(k4\_xboole\_0\ X0\ (k1\_tarski\ X1) = X0) \Leftrightarrow (\neg X1 \in X0) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k4\_xboole\_0\ (k4\_xboole\_0\ X0\ X1)\ X2 = k4\_xboole\_0\ X0\ (k2\_xboole\_0\ X1\ X2) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.k6\_subset\_1\ X0\ X1 = k4\_xboole\_0\ X0\ X1 \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.k2\_xboole\_0\ X0\ X1 = k2\_xboole\_0\ X1\ X0 \tag{4}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.(\neg X2 \in X0) \Rightarrow (k6\_subset\_1\ X0\ (k2\_xboole\_0\ X1\ (k1\_tarski\ X2)) = k6\_subset\_1\ X0\ X1)$$