t2_necklace (TMZrXeLaRxitsnYaR2dFKo4sHm92PUu6ZEG)

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Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.k3\_enumset1\ X0\ X1\ X2\ X3\ X4 = k2\_xboole\_0\ (k1\_enumset1\ X0\ X1\ X2)\ (k2\_tarski\ X3\ X4) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.k2\_zfmisc\_1\ (k2\_xboole\_0\ X0\ X1)\ (k2\_xboole\_0\ X2\ X3) = k2\_xboole\_0\ (k2\_xboole\_0\ (k2\_xboole\_0\ (k2\_zfmisc\_1\ X0\ X2)\ (k2\_zfmisc\_1\ X0\ X3))\ (k2\_zfmisc\_1\ X1\ X2))\ (k2\_zfmisc\_1\ X1\ X3) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.\forall X6.\forall X7.\forall X8.k7\_enumset1\ X0\ X1\ X2\ X3\ X4\ X5\ X6\ X7\ X8 = k2\_xboole\_0\ (k3\_enumset1\ X0\ X1\ X2\ X3\ X4)\ (k2\_enumset1\ X5\ X6\ X7\ X8) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.\forall X6.\forall X7.\forall X8.k7\_enumset1\ X0\ X1\ X2\ X3\ X4\ X5\ X6\ X7\ X8 = k2\_xboole\_0\ (k2\_enumset1\ X0\ X1\ X2\ X3)\ (k3\_enumset1\ X4\ X5\ X6\ X7\ X8) \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.k2\_enumset1\ X0\ X1\ X2\ X3 = k2\_xboole\_0\ (k2\_tarski\ X0\ X1)\ (k2\_tarski\ X2\ X3) \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k1\_enumset1\ X0\ X1\ X2 = k1\_enumset1\ X1\ X2\ X0 \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(k2\_zfmisc\_1\ (k1\_tarski\ X0)\ (k2\_tarski\ X1\ X2) = k2\_tarski\ (k4\_tarski\ X0\ X1)\ (k4\_tarski\ X0\ X2))\wedge(k2\_zfmisc\_1\ (k2\_tarski\ X0\ X1)\ (k1\_tarski\ X2) = k2\_tarski\ (k4\_tarski\ X0\ X2)\ (k4\_tarski\ X1\ X2)) \tag{7}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k1\_enumset1\ X0\ X1\ X2 = k2\_xboole\_0\ (k1\_tarski\ X0)\ (k2\_tarski\ X1\ X2) \tag{8}$$

Assume the following.

$$\forall X0.\forall X1.k2\_zfmisc\_1\ (k1\_tarski\ X0)\ (k1\_tarski\ X1) = k1\_tarski\ (k4\_tarski\ X0\ X1) \tag{9}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(k2\_zfmisc\_1\ (k2\_tarski\ X0\ X1)\ X2 = k2\_xboole\_0\ (k2\_zfmisc\_1\ (k1\_tarski\ X0)\ X2)\ (k2\_zfmisc\_1\ (k1\_tarski\ X1)\ X2))\wedge(k2\_zfmisc\_1\ X2\ (k2\_tarski\ X0\ X1) = k2\_xboole\_0\ (k2\_zfmisc\_1\ X2\ (k1\_tarski\ X0))\ (k2\_zfmisc\_1\ X2\ (k1\_tarski\ X1))) \tag{10}$$

Assume the following.

$$\forall X0.\forall X1.k2\_tarski\ X0\ X1 = k2\_tarski\ X1\ X0 \tag{11}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.\ k2\_zfmisc\_1\ (k1\_enumset1\ X0\ X1\ X2)\ (k1\_enumset1\ X3\ X4\ X5) = k7\_enumset1\ (k4\_tarski\ X0\ X3)\ (k4\_tarski\ X0\ X4)\ (k4\_tarski\ X0\ X5)\ (k4\_tarski\ X1\ X3)\ (k4\_tarski\ X1\ X4)\ (k4\_tarski\ X1\ X5)\ (k4\_tarski\ X2\ X3)\ (k4\_tarski\ X2\ X4)\ (k4\_tarski\ X2\ X5)$$