

t4\_enumset1 (TMJD-  
Fzw4t4K9WjmNajbswu6K45ywKfSpHMa)

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Let  $k2\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k1\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. k2\_xboole\_0 (k2\_xboole\_0 X0 X1) X2 = k2\_xboole\_0 X0 (k2\_xboole\_0 X1 X2) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k1\_enumset1 X0 X1 X2 = k2\_xboole\_0 (k1\_tarski X0) (k2\_tarski X1 X2) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. k2\_tarski X0 X1 = k2\_xboole\_0 (k1\_tarski X0) (k1\_tarski X1) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. k2\_enumset1 X0 X1 X2 X3 = k2\_xboole\_0 (k2\_tarski X0 X1) (k2\_tarski X2 X3) \quad (4)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. \forall X3. k2\_enumset1 X0 X1 X2 X3 = k2\_xboole\_0 (k1\_tarski X0) (k1\_enumset1 X1 X2 X3)$$