

t35\_enumset1  
(TMHj1jCEwaSA7HUkAb6eTQZaNLKzdaqKMYC)

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Let  $k6\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k5\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.k2\_tarski X0 X0 = k1\_tarski X0 \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5. \\ \forall X6.\forall X7.k6\_enumset1 X0 X1 X2 X3 X4 X5 X6 X7 = & k2\_xboole\_0 \quad (2) \\ & (k2\_tarski X0 X1) (k4\_enumset1 X2 X3 X4 X5 X6 X7) \end{aligned}$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5. \\ \forall X6.k5\_enumset1 X0 X1 X2 X3 X4 X5 X6 = & k2\_xboole\_0 (k1\_tarski \\ & X0) (k4\_enumset1 X1 X2 X3 X4 X5 X6) \quad (3) \end{aligned}$$

**Theorem 1**

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5. \\ \forall X6.k6\_enumset1 X0 X0 X1 X2 X3 X4 X5 X6 = & k5\_enumset1 X0 X1 X2 \\ & X3 X4 X5 X6 \end{aligned}$$