

# t54\_card\_1 (TMGunzEuJbRSYmPCG- CLiMMwmS6TijbjfgH6)

October 27, 2020

Let  $np\_6 : \iota$  be given. Let  $k4\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $np\_3 : \iota$  be given. Let  $np\_4 : \iota$  be given. Let  $np\_5 : \iota$  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  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k1\_ordinal1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$np\_5 = k3\_enumset1\ k1\_xboole\_0\ np\_1\ np\_2\ np\_3\ np\_4 \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5. \\ k4\_enumset1\ X0\ X1\ X2\ X3\ X4\ X5 = & k2\_xboole\_0\ (k3\_enumset1\ X0\ X1\ X2\ X3 \\ & X4)\ (k1\_tarski\ X5) \end{aligned} \quad (2)$$

Assume the following.

$$k1\_ordinal1\ np\_5 = np\_6 \quad (3)$$

Assume the following.

$$\forall X0.k1\_ordinal1\ X0 = k2\_xboole\_0\ X0\ (k1\_tarski\ X0) \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.k2\_xboole\_0\ X0\ X1 = k2\_xboole\_0\ X1\ X0 \quad (5)$$

**Theorem 1**  $np\_6 = k4\_enumset1\ k1\_xboole\_0\ np\_1\ np\_2\ np\_3\ np\_4\ np\_5$ .