

t18\_yellow\_9  
(TMWnqrvZcVkvNkWizYVjYcgix4FRc65smzD)

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Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k1\_cantor\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_cantor\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. m1\_subset\_1 \ k1\_xboole\_0 \ (k1\_zfmisc\_1 \ X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((v1\_xboole\_0 \ X1) \wedge (m1\_subset\_1 \ X1 \ (k1\_zfmisc\_1 \ (k1\_zfmisc\_1 \ X0)))) \Rightarrow (k2\_cantor\_1 \ X0 \ X1 = k1\_tarski \ X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((v1\_xboole\_0 \ X1) \wedge (m1\_subset\_1 \ X1 \ (k1\_zfmisc\_1 \ (k1\_zfmisc\_1 \ X0)))) \Rightarrow (k1\_cantor\_1 \ X0 \ X1 = k1\_tarski \ k1\_xboole\_0) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 \ X1 \ (k1\_zfmisc\_1 \ (k1\_zfmisc\_1 \ X0))) \Rightarrow (k1\_cantor\_1 \ X0 \ (k1\_cantor\_1 \ X0 \ X1) = k1\_cantor\_1 \ X0 \ X1) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (m1\_subset\_1 \ X2 \ (k1\_zfmisc\_1 \ (k1\_zfmisc\_1 \ X0))) \Rightarrow ((X2 = k1\_tarski \ X1) \Rightarrow ((k2\_cantor\_1 \ X0 \ X2 = k2\_tarski \ X1 \ X0) \wedge (k1\_cantor\_1 \ X0 \ X2 = k2\_tarski \ X1 \ k1\_xboole\_0))) \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 \ X1 \ (k1\_zfmisc\_1 \ (k1\_zfmisc\_1 \ X0))) \Rightarrow (k2\_cantor\_1 \ X0 \ X1 = k2\_cantor\_1 \ X0 \ (k2\_cantor\_1 \ X0 \ X1)) \quad (6)$$

Assume the following.

$$v1\_xboole\_0 \ k1\_xboole\_0 \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0)))\Rightarrow(m1\_subset\_1 (k2\_cantor\_1 X0 X1) (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0))) \quad (8)$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0)))\Rightarrow(m1\_subset\_1 (k1\_cantor\_1 X0 X1) (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0))) \quad (9)$$

Assume the following.

$$\forall X0.\forall X1.k2\_tarSKI X0 X1 = k2\_tarSKI X1 X0 \quad (10)$$

**Theorem 1**

$$\forall X0.\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0)))\Rightarrow((X1 = k2\_tarSKI k1\_xboole\_0 X0)\Rightarrow((k1\_cantor\_1 X0 X1 = X1)\wedge (k2\_cantor\_1 X0 X1 = X1)))$$