t37_bspace (TMUykBX7apDPxRGUFr1bzdbtdFTxeJxWJDx)

October 27, 2020

Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k7\_bspace : \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $k9\_bspace : \iota \Rightarrow \iota$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k8\_bspace : \iota \Rightarrow \iota$ be given. Let $v3\_card\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ be given. Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ X1)) \Leftrightarrow (r1\_tarski\ X0\ X1) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ (k1\_tarski\ X0)\ X1) \Leftrightarrow (X0 \in X1) \tag{2}$$

Assume the following.

$$\forall X0.k9\_bspace\ X0 = k8\_bspace\ X0 \tag{3}$$

Assume the following.

$$\forall X0.v3\_card\_1\ (k1\_tarski\ X0)\ np\_\_1 \tag{4}$$

Assume the following.

$$\forall X0.k8\_bspace\ X0 = ReplSep\ (toset\ (\lambda X1 : \iota.m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)))\ (\lambda X1 : \iota.v3\_card\_1\ X1\ np\_\_1)\ (\lambda X1 : \iota.X1) \tag{5}$$

Theorem 1

$$\forall X0.\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k7\_bspace\ X0))) \Rightarrow ((\exists X2.(X2 \in X0) \wedge (X1 = k1\_tarski\ X2)) \Rightarrow (X1 \in k9\_bspace\ X0))$$