t64_abcmiz_0 (TMN-HoyGN7tQ52EuJmuDQjgWs7rqDjQegBKF)

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Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $v3\_orders\_2 : \iota \Rightarrow o$ be given. Let $v4\_orders\_2 : \iota \Rightarrow o$ be given. Let $v4\_abcmiz\_0 : \iota \Rightarrow o$ be given. Let $l3\_abcmiz\_0 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $u1\_abcmiz\_0 : \iota \Rightarrow \iota$ be given. Let $r6\_abcmiz\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6\_abcmiz\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge ((v3\_orders\_2\ X0) \wedge ((v4\_orders\_2\ X0) \wedge ((\neg v4\_abcmiz\_0\ X0) \wedge (l3\_abcmiz\_0\ X0))))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ X0)) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (u1\_abcmiz\_0\ X0))) \Rightarrow ((r6\_abcmiz\_0\ X0\ X1\ X2) \Rightarrow (v1\_finset\_1\ X2)))) \tag{1}$$

Assume the following.

$$\forall X0 : \iota \Rightarrow o.(\exists X1.(v1\_finset\_1\ X1) \wedge (X0\ X1)) \Rightarrow (\exists X1.(v1\_finset\_1\ X1) \wedge ((X0\ X1) \wedge (\forall X2.((r1\_tarski\ X2\ X1) \wedge (X0\ X2)) \Rightarrow (X2 = X1)))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \tag{3}$$

Theorem 1

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge ((v3\_orders\_2\ X0) \wedge ((v4\_orders\_2\ X0) \wedge ((\neg v4\_abcmiz\_0\ X0) \wedge (l3\_abcmiz\_0\ X0))))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ X0)) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (u1\_abcmiz\_0\ X0))) \Rightarrow (\neg (r6\_abcmiz\_0\ X0\ X1\ X2) \wedge (\forall X3.(m1\_subset\_1\ X3\ (k1\_zfmisc\_1\ (u1\_abcmiz\_0\ X0))) \Rightarrow (\neg (r1\_tarski\ X3\ X2) \wedge ((r6\_abcmiz\_0\ X0\ X1\ X3) \wedge ((k6\_abcmiz\_0\ X0\ X1\ X2 = k6\_abcmiz\_0\ X0\ X1\ X3) \wedge (\forall X4.(m1\_subset\_1\ X4\ (k1\_zfmisc\_1\ (u1\_abcmiz\_0\ X0))) \Rightarrow (((r1\_tarski\ X4\ X3) \wedge ((r6\_abcmiz\_0\ X0\ X1\ X4) \wedge (k6\_abcmiz\_0\ X0\ X1\ X2 = k6\_abcmiz\_0\ X0\ X1\ X4))) \Rightarrow (X4 = X3)))))))))$$