t17_abcmiz_a (TMJHb4VUqGREufY2qdRuxf8uB1fcJ1iEYXA)

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Let $v1\_instalg1 : \iota \Rightarrow o$ be given. Let $v1\_abcmiz\_1 : \iota \Rightarrow o$ be given. Let $v3\_abcmiz\_1 : \iota \Rightarrow o$ be given. Let $v1\_abcmiz\_a : \iota \Rightarrow o$ be given. Let $l1\_msualg\_1 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_card\_3 : \iota \Rightarrow \iota$ be given. Let $u3\_msualg\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_msafree3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k28\_abcmiz\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k2\_abcmiz\_1 : \iota$ be given. Let $k35\_abcmiz\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u4\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8\_abcmiz\_1 : \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k20\_abcmiz\_1 : \iota$ be given. Let $k9\_abcmiz\_1 : \iota$ be given. Let $k10\_abcmiz\_1 : \iota$ be given. Assume the following.

$$\forall X0.((v1\_instalg1\ X0) \wedge ((v1\_abcmiz\_1\ X0) \wedge ((v3\_abcmiz\_1\ X0) \wedge ((v1\_abcmiz\_a\ X0) \wedge (l1\_msualg\_1\ X0))))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k3\_card\_3\ (u3\_msualg\_1\ X0\ (k1\_msafree3\ X0\ (k28\_abcmiz\_1\ X0))))) \Rightarrow ((\neg k1\_xtuple\_0\ (k1\_funct\_1\ X1\ k1\_xboole\_0) \in k2\_abcmiz\_1) \Leftrightarrow (m1\_subset\_1\ (k1\_xtuple\_0\ (k1\_funct\_1\ X1\ k1\_xboole\_0))\ (u4\_struct\_0\ X0)))) \tag{1}$$

Assume the following.

$$\forall X0.((v1\_instalg1\ X0) \wedge ((v1\_abcmiz\_1\ X0) \wedge ((v3\_abcmiz\_1\ X0) \wedge ((v1\_abcmiz\_a\ X0) \wedge (l1\_msualg\_1\ X0))))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k3\_card\_3\ (u3\_msualg\_1\ X0\ (k1\_msafree3\ X0\ (k28\_abcmiz\_1\ X0))))) \Rightarrow (\neg(\forall X2.(m1\_subset\_1\ X2\ k2\_abcmiz\_1) \Rightarrow (\neg(X1 = k35\_abcmiz\_1\ X2\ X0) \wedge (k1\_funct\_1\ X1\ k1\_xboole\_0 = k4\_tarski\ X2\ k8\_abcmiz\_1))) \wedge (\forall X2.(m1\_subset\_1\ X2\ (u4\_struct\_0\ X0)) \Rightarrow (\neg(k1\_funct\_1\ X1\ k1\_xboole\_0 = k4\_tarski\ X2\ (u1\_struct\_0\ X0)) \wedge (\neg(\neg X2 \in k20\_abcmiz\_1) \wedge ((X2 \neq k9\_abcmiz\_1) \wedge (X2 \neq k10\_abcmiz\_1))))))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.k1\_xtuple\_0\ (k4\_tarski\ X0\ X1) = X0 \tag{3}$$

Theorem 1

$$\forall X0.((v1\_instalg1\ X0)\wedge((v1\_abcmiz\_1\ X0)\wedge((v3\_abcmiz\_1\ X0)\wedge((v1\_abcmiz\_a\ X0)\wedge(l1\_msualg\_1\ X0)))))\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ (k3\_card\_3\ (u3\_msualg\_1\ X0\ (k1\_msafree3\ X0\ (k28\_abcmiz\_1\ X0)))))\Rightarrow(\neg(k1\_xtuple\_0\ (k1\_funct\_1\ X1\ k1\_xboole\_0)\in k2\_abcmiz\_1)\wedge(\forall X2.(m1\_subset\_1\ X2\ k2\_abcmiz\_1)\Rightarrow(\neg(X2=k1\_xtuple\_0\ (k1\_funct\_1\ X1\ k1\_xboole\_0))\wedge(X1=k35\_abcmiz\_1\ X2\ X0)))))$$