t29_normform (TMQSKdKt-TfmJUcx4Qwj23PJQFNaAomjNc7G)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_finsub\_1 : \iota \Rightarrow \iota$ be given. Let $r1\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_domain\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_domain\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7\_normform : \iota \Rightarrow \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X1\ (k2\_zfmisc\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0))) \Rightarrow ((X1 \in k7\_normform\ X0) \Leftrightarrow (r1\_xboole\_0\ (k2\_domain\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0)\ X1)\ (k3\_domain\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0)\ X1))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1\_subset\_1\ X0\ X1) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1\_xboole\_0\ X0) \wedge ((\neg v1\_xboole\_0\ X1) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)))) \Rightarrow (\forall X2.(m2\_subset\_1\ X2\ X0\ X1) \Leftrightarrow (m1\_subset\_1\ X2\ X1)) \tag{3}$$

Assume the following.

$$\forall X0.\neg v1\_xboole\_0\ (k7\_normform\ X0) \tag{4}$$

Assume the following.

$$\forall X0.m1\_subset\_1\ (k7\_normform\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0))) \tag{5}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)) \Rightarrow (v1\_xboole\_0\ X1)) \tag{6}$$

Theorem 1

$$\forall X0.\forall X1.(m1\_subset\_1\ X1\ (k2\_zfmisc\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0)))\Rightarrow((r1\_xboole\_0\ (k2\_domain\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0)\ X1)\ (k3\_domain\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0)\ X1))\Rightarrow(m2\_subset\_1\ X1\ (k2\_zfmisc\_1\ (k5\_finsub\_1\ X0)\ (k5\_finsub\_1\ X0))\ (k7\_normform\ X0)))$$