l33_intpro_1 (TMW7t4XKKpBphNnPBz1Ryqujdu9YbZV4nX3)

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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 $k1\_intpro\_1 : \iota$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7\_intpro\_1 : \iota \Rightarrow \iota$ be given. Let $v8\_intpro\_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.((X0 \in X1) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X2))) \Rightarrow (m1\_subset\_1\ X0\ X2) \tag{1}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \Rightarrow (((v8\_intpro\_1\ X0) \wedge (r1\_tarski\ X1\ X0)) \Rightarrow (r1\_tarski\ (k7\_intpro\_1\ X1)\ X0))) \tag{2}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \Rightarrow (m1\_subset\_1\ (k7\_intpro\_1\ X0)\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \tag{4}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \Rightarrow ((X1 = k7\_intpro\_1\ X0) \Leftrightarrow (\forall X2.(m1\_subset\_1\ X2\ k1\_intpro\_1) \Rightarrow ((X2 \in X1) \Leftrightarrow (\forall X3.(m1\_subset\_1\ X3\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \Rightarrow (((v8\_intpro\_1\ X3) \wedge (r1\_tarski\ X0\ X3)) \Rightarrow (X2 \in X3))))))) \tag{5}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \Rightarrow (r1\_tarski\ (k7\_intpro\_1\ (k7\_intpro\_1\ X0))\ (k7\_intpro\_1\ X0))$$