t81_intpro_1 (TMQwiw3eWfQuzCqnkYVzM2S9nS6h9c1CURg)

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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 $k13\_intpro\_1 : \iota \Rightarrow \iota$ be given. Let $k11\_intpro\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \Rightarrow (r1\_tarski\ (k11\_intpro\_1\ X0)\ (k13\_intpro\_1\ X0)) \tag{1}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \Rightarrow (r1\_tarski\ (k7\_intpro\_1\ X0)\ (k11\_intpro\_1\ X0)) \tag{2}$$

Assume the following.

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

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_intpro\_1)) \Rightarrow (r1\_tarski\ (k7\_intpro\_1\ X0)\ (k13\_intpro\_1\ X0))$$