

t11_intpro_1
(TMc7QaNECP19Y66aXJdcsvqS5TbKsPtSPtX)

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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 $v8_intpro_1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7_intpro_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (\forall X2. \\ & (m1_subset_1 X2 (k1_zfmisc_1 X0)) \Rightarrow ((\forall X3. (m1_subset_1 \\ & X3 X0) \Rightarrow ((X3 \in X1) \Rightarrow (X3 \in X2))) \Rightarrow (r1_tarski X1 X2))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. (m1_subset_1 X0 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow (m1_subset_1 (k7_intpro_1 X0) (k1_zfmisc_1 k1_intpro_1)) \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. (m1_subset_1 X0 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow (\forall X1. \\ & (m1_subset_1 X1 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow ((X1 = k7_intpro_1 \\ & X0) \Leftrightarrow (\forall X2. (m1_subset_1 X2 k1_intpro_1) \Rightarrow ((X2 \in X1) \Leftrightarrow (\forall X3. \\ & (m1_subset_1 X3 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow (((v8_intpro_1 X3) \wedge \\ & (r1_tarski X0 X3)) \Rightarrow (X2 \in X3))))))) \end{aligned} \quad (3)$$

Theorem 1

$$\begin{aligned} & \forall X0. (m1_subset_1 X0 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow (\forall X1. \\ & (m1_subset_1 X1 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow (((v8_intpro_1 X0) \wedge \\ & (r1_tarski X1 X0)) \Rightarrow (r1_tarski (k7_intpro_1 X1) X0))) \end{aligned}$$