

t75_intpro_1
(TMZqPUC4UHS63vMqB7MFUxsuombMjzQeBaK)

October 27, 2020

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 $v9_intpro_1 : \iota \Rightarrow o$ be given. Let $k11_intpro_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. r1_tarski X0 X0 \tag{1}$$

Assume the following.

$$\forall X0. (m1_subset_1 X0 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow (v9_intpro_1 (k11_intpro_1 X0)) \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \tag{3}$$

Assume the following.

$$\begin{aligned} & \forall X0. (m1_subset_1 X0 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow (\forall X1. \\ & (m1_subset_1 X1 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow ((X1 = k11_intpro_1 \\ & X0) \Leftrightarrow (\forall X2. (m1_subset_1 X2 k1_intpro_1) \Rightarrow ((X2 \in X1) \Leftrightarrow (\forall X3. \\ & (m1_subset_1 X3 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow (((v9_intpro_1 X3) \wedge \\ & (r1_tarski X0 X3)) \Rightarrow (X2 \in X3))))))) \end{aligned} \tag{4}$$

Theorem 1

$$\forall X0. (m1_subset_1 X0 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow ((v9_intpro_1 X0) \Leftrightarrow (k11_intpro_1 X0 = X0))$$