

t16_intpro_1
(TMRJL6EzSTobxjk62tfpTHsVc5YDyryV2wy)

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 $v8_intpro_1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k8_intpro_1 : \iota$ be given. Let $k7_intpro_1 : \iota \Rightarrow \iota$ be given. Let $k1_subset_1 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X0 (k1_zfmisc_1 X1)) \Leftrightarrow (r1_tarski X0 X1) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. (m1_subset_1 X0 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow (\forall X1. \\ (m1_subset_1 X1 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow (((v8_intpro_1 X0) \wedge \\ (r1_tarski X1 X0)) \Rightarrow (r1_tarski (k7_intpro_1 X1) X0))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0. m1_subset_1 (k1_subset_1 X0) (k1_zfmisc_1 X0) \quad (3)$$

Assume the following.

$$\forall X0. k1_subset_1 X0 = k1_xboole_0 \quad (4)$$

Assume the following.

$$k8_intpro_1 = k7_intpro_1 (k1_subset_1 k1_intpro_1) \quad (5)$$

Theorem 1

$$\forall X0. (m1_subset_1 X0 (k1_zfmisc_1 k1_intpro_1)) \Rightarrow ((v8_intpro_1 X0) \Rightarrow (r1_tarski k8_intpro_1 X0))$$