

t15_comput_1

(TMJJ8GUyFX6uwNQ7axgzaXj2x9mXgDFQLxn)

October 27, 2020

Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_comput_1 : \iota \Rightarrow o$ be given. Let $m1_rfunct_3 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k3_tarSKI : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarSKI : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4_funct_1 : \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (\forall X2. (X2 \in X0) \Rightarrow (r1_tarSKI X2 X1)) \Rightarrow (r1_tarSKI (k3_tarSKI X0) X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X0 (k1_zfmisc_1 X1)) \Leftrightarrow (r1_tarSKI X0 X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (m1_subset_1 X0 X1) \quad (3)$$

Assume the following.

$$\forall X0. ((v4_funct_1 X0) \wedge (v1_comput_1 X0)) \Rightarrow ((v1_relat_1 (k3_tarSKI X0)) \wedge (v1_funct_1 (k3_tarSKI X0))) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (m1_rfunct_3 X2 X0 X1) \Leftrightarrow (\forall X3. (m1_subset_1 X3 X2) \Rightarrow ((v1_funct_1 X3) \wedge (m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1))))) \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (m1_rfunct_3 X2 X0 X1) \Rightarrow ((\neg v1_xboole_0 X2) \Rightarrow ((\neg v1_xboole_0 X2) \wedge (v4_funct_1 X2))) \quad (6)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. ((\neg v1_xboole_0 X2) \wedge ((v1_comput_1 X2) \wedge (m1_rfunct_3 X2 X0 X1))) \Rightarrow ((v1_funct_1 (k3_tarSKI X2)) \wedge (m1_subset_1 (k3_tarSKI X2) (k1_zfmisc_1 (k2_zfmisc_1 X0 X1))))$$