

t56_setwiseo (TMQxzMP-
BxVS1otWRpX6VHpTQe2PDovLYzhD)

October 27, 2020

Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_finsub_1 : \iota \Rightarrow \iota$ be given. Let $k11_setwiseo : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. (\neg v1_xboole_0 X0) \Rightarrow (\forall X1. \forall X2. (m1_subset_1 \\ X2 X0) \Rightarrow ((X1 \in k3_funct_2 X0 (k5_finsub_1 X0) (k11_setwiseo X0) X2) \Leftrightarrow \\ (X1 = X2))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} \forall X0. (\neg v1_xboole_0 X0) \Rightarrow (\forall X1. (m1_subset_1 X1 X0) \Rightarrow \\ (\forall X2. (m1_subset_1 X2 X0) \Rightarrow (\forall X3. (m1_subset_1 X3 X0) \Rightarrow \\ (((X1 \in k3_funct_2 X0 (k5_finsub_1 X0) (k11_setwiseo X0) X3) \wedge (X2 \in \\ k3_funct_2 X0 (k5_finsub_1 X0) (k11_setwiseo X0) X3)) \Rightarrow (X1 = X2)))))) \end{aligned}$$