

l6_taxonom2
(TMJ2y3zjfryMCK6xSu3sASDLxPyerbZusV7)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_eqrel_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_eqrel_1 X1 X0) \Rightarrow (\forall X2. \forall X3. \\ & \forall X4. ((X2 \in X3) \wedge ((X3 \in X1) \wedge ((X2 \in X4) \wedge (X4 \in X1)))) \Rightarrow (X3 = X4)) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0. (\neg v1_xboole_0 X0) \Rightarrow (\forall X1. (m1_eqrel_1 X1 X0) \Rightarrow \\ & (\forall X2. \forall X3. \forall X4. ((X2 \in X1) \wedge ((X3 \in X1) \wedge ((X4 \in X2) \wedge \\ & (X4 \in X3)))) \Rightarrow (X2 = X3))) \end{aligned}$$