

t15_classes1
(TMH5t6PQF2QSae6nZHCBuNfw94uz94tuhAL)

October 27, 2020

Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_classes1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. (v3_ordinal1 X3) \Rightarrow \\ & (((r1_tarski X0 X1) \wedge (X1 \in k3_classes1 X2 X3)) \Rightarrow (X0 \in k3_classes1 \\ & \quad X2 (k1_ordinal1 X3))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \tag{2}$$

Theorem 1

$$\forall X0. \forall X1. (v3_ordinal1 X1) \Rightarrow (r1_tarski (k3_classes1 X0 X1) (k3_classes1 X0 (k1_ordinal1 X1)))$$