

t68_classes1
(TMbfszKUn4rYQ56pkDxYri8ygz5T7nn31ST)

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Let $k6_classes1 : \iota \Rightarrow \iota$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $k4_classes1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (v3_ordinal1 X1) \Rightarrow ((X0 \in k4_classes1 X1) \Leftrightarrow (k6_classes1 X0 \in X1)) \quad (1)$$

Assume the following.

$$\forall X0. v3_ordinal1 (k6_classes1 X0) \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (v3_ordinal1 X1) \Rightarrow ((X1 = k6_classes1 X0) \Leftrightarrow \\ & ((r1_tarski X0 (k4_classes1 X1)) \wedge (\forall X2. (v3_ordinal1 X2) \Rightarrow \\ & ((r1_tarski X0 (k4_classes1 X2)) \Rightarrow (r1_ordinal1 X1 X2)))))) \quad (3) \end{aligned}$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (4)$$

Theorem 1 $\forall X0. \forall X1. (X0 \in X1) \Rightarrow (k6_classes1 X0 \in k6_classes1 X1).$