

t60_classes1
 (TMJPOMyedtfMyVsWsgBfqEZ3MAFL5f3x7e4)

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Let $k5_classes1 : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. ((r1_tarski X0 X1) \wedge (r1_tarski X2 X1)) \Rightarrow (r1_tarski (k2_xboole_0 X0 X2) X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. r1_tarski X0 (k2_xboole_0 X0 X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Rightarrow (r1_tarski (k5_classes1 X0) (k5_classes1 X1)) \quad (3)$$

Assume the following.

$$\forall X0. (v1_ordinal1 X0) \Rightarrow (k5_classes1 X0 = X0) \quad (4)$$

Assume the following.

$$\forall X0. r1_tarski X0 (k5_classes1 X0) \quad (5)$$

Assume the following.

$$\forall X0. v1_ordinal1 (k5_classes1 X0) \quad (6)$$

Assume the following.

$$\forall X0. \forall X1. ((v1_ordinal1 X0) \wedge (v1_ordinal1 X1)) \Rightarrow (v1_ordinal1 (k2_xboole_0 X0 X1)) \quad (7)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. ((r1_tarski X0 X1) \wedge (r1_tarski X2 X3)) \Rightarrow (r1_tarski (k2_xboole_0 X0 X2) (k2_xboole_0 X1 X3)) \quad (8)$$

Assume the following.

$$\forall X0.\forall X1.(X0 = X1) \Leftrightarrow ((r1_tarSKI X0 X1) \wedge (r1_tarSKI X1 X0)) \quad (9)$$

Assume the following.

$$\forall X0.\forall X1.k2_xboole_0 X0 X1 = k2_xboole_0 X1 X0 \quad (10)$$

Theorem 1

$$\forall X0.\forall X1.k5_classes1 (k2_xboole_0 X0 X1) = k2_xboole_0 (k5_classes1 X0) (k5_classes1 X1)$$