

t72\_classes1 (TMHHcUodVGK-  
bez7jU6WM7TWsEB2W684pNQB)

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Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k6\_classes1 : \iota \Rightarrow \iota$  be given. Let  $k1\_ordinal1 : \iota \Rightarrow \iota$  be given. Let  $r1\_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in k1\_ordinal1 X1) \Leftrightarrow ((X0 \in X1) \vee (X0 = X1)) \quad (1)$$

Assume the following.

$$\forall X0. X0 \in k1\_ordinal1 X0 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (v3\_ordinal1 X1) \Rightarrow ((r1\_ordinal1 (k6\_classes1 X0) X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (k6\_classes1 X2 \in X1))) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (k6\_classes1 X0 \in k6\_classes1 X1) \quad (4)$$

Assume the following.

$$\forall X0. (v3\_ordinal1 X0) \Rightarrow (\forall X1. (v3\_ordinal1 X1) \Rightarrow ((X0 \in k1\_ordinal1 X1) \Leftrightarrow (r1\_ordinal1 X0 X1))) \quad (5)$$

Assume the following.

$$\forall X0. v3\_ordinal1 (k6\_classes1 X0) \quad (6)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (\neg X1 \in X0) \quad (7)$$

**Theorem 1**

$$\forall X0. \forall X1. (v3\_ordinal1 X1) \Rightarrow (\neg (k6\_classes1 X0 = k1\_ordinal1 X1) \wedge (\forall X2. \neg (X2 \in X0) \wedge (k6\_classes1 X2 = X1)))$$