

# t25\_descip\_1 (TMGKkHrPqB- nexXmAq4zGYUnJezQ2jsEHqw2)

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Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k2\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $np\_1 : \iota$  be given. Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow ((X0 \in X1) \Leftrightarrow (\neg r1\_xxreal\_0 X1 X0))) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(v7\_ordinal1 X1) \Rightarrow ((X0 \in X1) \Rightarrow (v7\_ordinal1 X0)) \quad (2)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow ((X0 \in k2\_finseq\_1 X1) \Leftrightarrow ((r1\_xxreal\_0 np\_1 X0) \wedge (r1\_xxreal\_0 X0 X1)))) \quad (3)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow ((\neg r1\_xxreal\_0 np\_1 X0) \Rightarrow (X0 = k6\_numbers)) \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (\neg X1 \in X0) \quad (5)$$

## Theorem 1

$$\forall X0.((v7\_ordinal1 X0) \wedge (\neg v1\_xboole\_0 X0)) \Rightarrow (\forall X1. \neg (X1 \in X0) \wedge ((X1 \neq k6\_numbers) \wedge (\neg (X1 \in k2\_finseq\_1 X0) \wedge (X1 \neq X0))))$$