

# l7\_wsierp\_1 (TMWPojn- MquX3Ygv8WfQLdhWr8cUc1LMHaNR)

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Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k4\_nat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $k2\_nat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $v1\_abian : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $k4\_ordinal1 : \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0.(v7\_ordinal1 X0) \Rightarrow (&(\neg(\neg v1\_abian X0) \wedge (\forall X1.( \\ m1\_subset\_1 X1 k5\_numbers) \Rightarrow &(X0 \neq k2\_nat\_1 (k4\_nat\_1 np\_2 X1) np\_1))) \wedge \\ (\neg(\exists X1.(m1\_subset\_1 X1 k5\_numbers) \wedge &(X0 = k2\_nat\_1 (k4\_nat\_1 \\ np\_2 X1) np\_1))) \wedge (v1\_abian X0))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1\_subset\_1 X0 X1) \quad (2)$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \quad (3)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k5\_numbers) \Rightarrow ((v1\_abian X0) \Leftrightarrow (\exists X1. \\ (m1\_subset\_1 X1 k5\_numbers) \wedge (X0 = k4\_nat\_1 np\_2 X1))) \quad (4)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Leftrightarrow (X0 \in k4\_ordinal1) \quad (5)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k4\_ordinal1) \Rightarrow (v7\_ordinal1 X0) \quad (6)$$

## Theorem 1

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\neg \forall X1.(v7\_ordinal1 X1) \Rightarrow ( \\ (X0 \neq k4\_nat\_1 np\_2 X1) \wedge (X0 \neq k2\_nat\_1 (k4\_nat\_1 np\_2 X1) np\_1)))$$