

t24\_binari\_4

(TMaqWsK7mv8Mi5uzKYzCyaKfsMgYYqEr9M8)

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Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_series\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $k1\_binari\_4 : \iota \Rightarrow \iota \Rightarrow \iota$  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.

$$\begin{aligned} & \forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow (\forall X2. \\ & (v7\_ordinal1 X2) \Rightarrow ((X2 = k1\_binari\_4 X0 X1) \Leftrightarrow ((r1\_xxreal\_0 X1 (k5\_series\_1 \\ & np\_2 X2)) \wedge ((r1\_xxreal\_0 X0 X2) \wedge (\forall X3.(v7\_ordinal1 X3) \Rightarrow \\ & (((r1\_xxreal\_0 X1 (k5\_series\_1 np\_2 X3)) \wedge (r1\_xxreal\_0 X0 X3)) \Rightarrow \\ & (r1\_xxreal\_0 X2 X3)))))))))) \quad (2) \end{aligned}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (\neg X1 \in X0) \quad (3)$$

**Theorem 1**

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow ((r1\_xxreal\_0 X0 (k5\_series\_1 np\_2 X1)) \Rightarrow (k1\_binari\_4 X1 X0 = X1)))$$