

t29\_nat\_2

(TMV9AmNNJMowuyT8PTpiZqTi2mN54xAmHRy)

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Let  $v1\_zfmisc\_1 : \iota \Rightarrow o$  be given. Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $np\_2 : \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $np\_1 : \iota$  be given. Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\neg(\neg r1\_xxreal\_0\ np\_2\ X0) \wedge ((X0 \neq k6\_numbers) \wedge (X0 \neq np\_1))) \quad (1)$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow ((v1\_zfmisc\_1\ X0) \Leftrightarrow ((X0 = k6\_numbers) \vee (X0 = np\_1))) \quad (2)$$

**Theorem 1**

$$\forall X0.((\neg v1\_zfmisc\_1\ X0) \wedge (v7\_ordinal1\ X0)) \Rightarrow (r1\_xxreal\_0\ np\_2\ X0)$$