

t42\_rpr\_1

(TMTJCb3NrQHvvqfpQMvhPJjU71PT7EcukdZ)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $v1\_finset\_1 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_rpr\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k2\_rpr\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_subset\_1 : \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} \forall X0.((\neg v1\_xboole\_0 X0) \wedge (v1\_finset\_1 X0)) \Rightarrow (\forall X1. \\ (m1\_subset\_1 X1 (k1\_zfmisc\_1 X0)) \Rightarrow (\forall X2.(m1\_subset\_1 X2 \\ (k1\_zfmisc\_1 X0)) \Rightarrow ((r1\_tarski X2 X1) \Rightarrow ((r1\_xxreal\_0 (k1\_rpr\_1 \\ X0 X2) k6\_numbers) \vee (k2\_rpr\_1 X0 X2 X1 = np\_1)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X0 (k1\_zfmisc\_1 X1)) \Leftrightarrow (r1\_tarski X0 X1) \quad (2)$$

Assume the following.

$$\forall X0. m1\_subset\_1 (k2\_subset\_1 X0) (k1\_zfmisc\_1 X0) \quad (3)$$

Assume the following.

$$\forall X0. k2\_subset\_1 X0 = X0 \quad (4)$$

**Theorem 1**

$$\begin{aligned} \forall X0.((\neg v1\_xboole\_0 X0) \wedge (v1\_finset\_1 X0)) \Rightarrow (\forall X1. \\ (m1\_subset\_1 X1 (k1\_zfmisc\_1 X0)) \Rightarrow ((\neg r1\_xxreal\_0 (k1\_rpr\_1 X0 \\ X1) k6\_numbers) \Rightarrow (k2\_rpr\_1 X0 X1 (k2\_subset\_1 X0) = np\_1)))) \end{aligned}$$