

# l13\_numbers

(TMaDtPyUe38tx8MgmfFdMfc8hxoE4DpQsea)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k3\_numbers : \iota$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k5\_arytm\_3 : \iota$  be given. Let  $k2\_arytm\_2 : \iota$  be given. Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.(r1\_tarski X0 X1) \Rightarrow ((r1\_tarski (k2\_zfmisc\_1 X0 X2) (k2\_zfmisc\_1 X1 X2)) \wedge (r1\_tarski (k2\_zfmisc\_1 X2 X0) (k2\_zfmisc\_1 X2 X1))) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(r1\_tarski X0 X1) \Rightarrow (r1\_tarski (k4\_xboole\_0 X0 X2) (k4\_xboole\_0 X1 X2)) \quad (2)$$

Assume the following.

$$r1\_tarski k5\_arytm\_3 k2\_arytm\_2 \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.((r1\_tarski X0 X1) \wedge (r1\_tarski X2 X3)) \Rightarrow (r1\_tarski (k2\_xboole\_0 X0 X2) (k2\_xboole\_0 X1 X3)) \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.k6\_subset\_1 X0 X1 = k4\_xboole\_0 X0 X1 \quad (5)$$

Assume the following.

$$k3\_numbers = k6\_subset\_1 (k2\_xboole\_0 k5\_arytm\_3 (k2\_zfmisc\_1 (k1\_tarski k1\_xboole\_0) k5\_arytm\_3)) (k1\_tarski (k4\_tarski k1\_xboole\_0 k1\_xboole\_0)) \quad (6)$$

Assume the following.

$$k1\_numbers = k6\_subset\_1 (k2\_xboole\_0 k2\_arytm\_2 (k2\_zfmisc\_1 (k1\_tarski k1\_xboole\_0) k2\_arytm\_2)) (k1\_tarski (k4\_tarski k1\_xboole\_0 k1\_xboole\_0)) \tag{7}$$

**Theorem 1**  $r1\_tarski k3\_numbers k1\_numbers$ .