

# l26\_numbers (TMJB- VDhi7HcxXApQDJNvS72or6mVKHbMgJR)

October 27, 2020

Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_numbers : \iota$  be given. Let  $k3\_numbers : \iota$  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  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_ordinal1 : \iota$  be given. Let  $k5\_arytm\_3 : \iota$  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.

$$\begin{aligned} \forall X0.\forall X1.\forall X2.(r1\_tarski\ X0\ X1) \Rightarrow ((r1\_tarski \\ (k2\_zfmisc\_1\ X0\ X2)\ (k2\_zfmisc\_1\ X1\ X2)) \wedge (r1\_tarski\ (k2\_zfmisc\_1 \\ X2\ X0)\ (k2\_zfmisc\_1\ X2\ X1))) \end{aligned} \tag{1}$$

Assume the following.

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

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.((r1\_tarski\ X0\ X1) \wedge \\ (r1\_tarski\ X2\ X3)) \Rightarrow (r1\_tarski\ (k2\_xboole\_0\ X0\ X2)\ (k2\_xboole\_0 \\ X1\ X3)) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.k6\_subset\_1\ X0\ X1 = k4\_xboole\_0\ X0\ X1 \tag{4}$$

Assume the following.

$$r1\_tarski\ k4\_ordinal1\ k5\_arytm\_3 \tag{5}$$

Assume the following.

$$\begin{aligned} k4\_numbers = k6\_subset\_1\ (k2\_xboole\_0\ k4\_ordinal1\ (k2\_zfmisc\_1 \\ (k1\_tarski\ k1\_xboole\_0)\ k4\_ordinal1))\ (k1\_tarski\ (k4\_tarski \\ k1\_xboole\_0\ k1\_xboole\_0)) \end{aligned} \tag{6}$$

Assume the following.

$$k3\_numbers = k6\_subset\_1 (k2\_xboole\_0 k5\_arytm\_3 (k2\_zfmisc\_1 (k1\_tarski k1\_xboole\_0) k5\_arytm\_3)) (k1\_tarski (k4\_tarski k1\_xboole\_0 k1\_xboole\_0)) \tag{7}$$

**Theorem 1**  $r1\_tarski k4\_numbers k3\_numbers$ .