

t5\_arytm\_0  
(TMagSsgFhH62nG758DMz68A4Js6G8hnuzJm)

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Let  $r1\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_arytm\_2 : \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k11\_arytm\_3 : \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. \neg(r1\_tarski X0 (k2\_zfmisc\_1 X1 X2)) \wedge ((X3 \in X0) \wedge (\forall X4. \forall X5. \neg(X4 \in X1) \wedge ((X5 \in X2) \wedge (X3 = k4\_tarski X4 X5)))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (\neg(\neg r1\_xboole\_0 X0 X1) \wedge (\forall X2. \neg(X2 \in X0) \wedge (X2 \in X1))) \wedge (\neg(\exists X2. (X2 \in X0) \wedge (X2 \in X1)) \wedge (r1\_xboole\_0 X0 X1)) \quad (2)$$

Assume the following.

$$\forall X0. \neg k4\_tarski k11\_arytm\_3 X0 \in k2\_arytm\_2 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. r1\_tarski X0 X0 \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1\_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (5)$$

**Theorem 1**

$$r1\_xboole\_0 k2\_arytm\_2 (k2\_zfmisc\_1 (k1\_tarski k11\_arytm\_3) k2\_arytm\_2)$$