

# l10\_arytm\_2 (TMavvZdMN- wRedixeH6mcBCembccEcSFEHsP)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_ordinal1 : \iota$  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  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $r1\_arytm\_3 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k11\_arytm\_3 : \iota$  be given. Let  $np\_1 : \iota$  be given. Assume the following.

$$\forall X0. \forall X1. r1\_tarski X0 (k2\_xboole\_0 X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k2\_xboole\_0 X0 X1 = k2\_xboole\_0 X1 X0 \quad (2)$$

## Theorem 1

$$\begin{aligned} & r1\_tarski k4\_ordinal1 (k2\_xboole\_0 (k6\_subset\_1 (ReplSep2 (toset \\ & \quad (\lambda X0 : \iota. m1\_subset\_1 X0 k4\_ordinal1)) (\lambda X0 : \iota. toset \\ & \quad (\lambda X1 : \iota. m1\_subset\_1 X1 k4\_ordinal1)) (\lambda X0 : \iota. \lambda X1 : \\ & \quad \iota. (r1\_arytm\_3 X0 X1) \wedge (X1 \neq k11\_arytm\_3)) (\lambda X0 : \iota. \lambda X1 : \\ & \quad \iota. k4\_tarski X0 X1)) (ReplSep (toset (\lambda X0 : \iota. m1\_subset\_1 \\ & \quad X0 k4\_ordinal1)) (\lambda X0 : \iota. True) (\lambda X0 : \iota. k4\_tarski X0 \\ & \quad np\_1))) k4\_ordinal1 \end{aligned}$$