

t408\_xxreal\_1  
(TMbLC3aZSQb9xiJXBHgsnFo458cR2LDF6Ca)

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Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_xxreal\_0 : \iota$  be given. Let  $k4\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0.(v1\_xxreal\_0 X0) \Rightarrow (\forall X1.(v1\_xreal\_0 X1) \Rightarrow (k6\_subset\_1 \\ (k2\_xxreal\_1 k2\_xxreal\_0 X1) (k4\_xxreal\_1 k2\_xxreal\_0 X0) = k2\_xboole\_0 \\ (k1\_tarski k2\_xxreal\_0) (k2\_xxreal\_1 X0 X1))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.k2\_xboole\_0 X0 k1\_xboole\_0 = X0 \quad (2)$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0 X0) \Rightarrow (k2\_xxreal\_1 X0 X0 = k1\_xboole\_0) \quad (3)$$

Assume the following.

$$\forall X0.(v1\_xreal\_0 X0) \Rightarrow (v1\_xxreal\_0 X0) \quad (4)$$

**Theorem 1**

$$\begin{aligned} \forall X0.(v1\_xreal\_0 X0) \Rightarrow (k6\_subset\_1 (k2\_xxreal\_1 k2\_xxreal\_0 \\ X0) (k4\_xxreal\_1 k2\_xxreal\_0 X0) = k1\_tarski k2\_xxreal\_0) \end{aligned}$$