

t421\_xxreal\_1 (TM-  
MouQoyQ1oYoCA6UQLcAdczBETc17kdt8h)

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Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $k1\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_xxreal\_0 : \iota$  be given. Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k3\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v1\_xxreal\_0 X0) \Rightarrow (r1\_xxreal\_0 k2\_xxreal\_0 X0) \quad (1)$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0 X0) \Rightarrow (\forall X1.(v1\_xxreal\_0 X1) \Rightarrow ((r1\_xxreal\_0 X0 X1) \Rightarrow (k1\_xxreal\_1 X0 X1 = k2\_xboole\_0 (k1\_tarski X0) (k3\_xxreal\_1 X0 X1)))) \quad (2)$$

Assume the following.

$$v1\_xxreal\_0 k2\_xxreal\_0 \quad (3)$$

**Theorem 1**

$$\forall X0.(v1\_xxreal\_0 X0) \Rightarrow (k1\_xxreal\_1 k2\_xxreal\_0 X0 = k2\_xboole\_0 (k1\_tarski k2\_xxreal\_0) (k3\_xxreal\_1 k2\_xxreal\_0 X0))$$