

t426\_xxreal\_1

(TMRXPVGaQYRrQhZ7sx22DeC69e3btmyjj7C)

October 27, 2020

Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $k1\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_xxreal\_0 : \iota$  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.

$$\forall X0.(v1\_xxreal\_0 X0) \Rightarrow (r1\_xxreal\_0 X0 k1\_xxreal\_0) \quad (1)$$

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.

$$v1\_xxreal\_0 k1\_xxreal\_0 \quad (3)$$

**Theorem 1**

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