

t37\_xxreal\_2 (TMGPMmH-  
maRV8hyHLiF8TLqGaZxvjotbAW6g)

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Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $m1\_xxreal\_2 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k2\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_xxreal\_0 X0) \Rightarrow (\forall X1.(v1\_xxreal\_0 X1) \Rightarrow (m1\_xxreal\_2 X0 (k2\_xxreal\_1 X1 X0))) \quad (1)$$

Assume the following.

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

**Theorem 1**  $\forall X0.(v1\_xxreal\_0 X0) \Rightarrow (m1\_xxreal\_2 X0 k1\_xboole\_0)$ .