

l1\_treal\_1 (TMdSAwatgM-  
baJa2jWCmdqCGVHsUa2ABXa9Q)

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Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $k1\_rcomp\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(v1\_xreal\_0 X0) \Rightarrow (\forall X1.(v1\_xreal\_0 X1) \Rightarrow (k1\_rcomp\_1 \\ & X0 X1 = ReplSep (toset (\lambda X2 : \iota.m1\_subset\_1 X2 k1\_numbers)) \\ & (\lambda X2 : \iota.(r1\_xxreal\_0 X0 X2) \wedge (r1\_xxreal\_0 X2 X1)) (\lambda X2 : \\ & \quad \iota.X2)))) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} & \forall X0.(v1\_xreal\_0 X0) \Rightarrow (\forall X1.(v1\_xreal\_0 X1) \Rightarrow (\forall X2. \\ & (X2 \in k1\_rcomp\_1 X0 X1) \Rightarrow (m1\_subset\_1 X2 k1\_numbers))) \end{aligned}$$