

# l12\_xreal\_0

(TMWZTrQuP5DJDmHK832LQFQamQhNiUbiPmd)

October 27, 2020

Let  $r1\_xreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $np\_0 : \iota$  be given. Assume the following.

$$\forall X0.(v1\_xboole\_0 X0) \Rightarrow (X0 = k1\_xboole\_0) \quad (1)$$

Assume the following.

$$v1\_xboole\_0 np\_0 \quad (2)$$

Assume the following.

$$r1\_xreal\_0 np\_0 np\_1 \quad (3)$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \quad (4)$$

**Theorem 1**  $r1\_xreal\_0 k6\_numbers np\_1$ .