l15_topreal2 (TMKYf-pfBi4A2oYXjpZAV4adkmHS3wLXQzPa)

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Let $k19\_euclid : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k1\_rltopsp1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k15\_euclid : \iota \Rightarrow \iota$ be given. Let $np\_\_2 : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k17\_euclid : \iota \Rightarrow \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k18\_euclid : \iota \Rightarrow \iota$ be given. Let $np\_\_0 : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{1}$$

Assume the following.

$$(k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k19\_euclid\ k6\_numbers\ k6\_numbers)\ (k19\_euclid\ k6\_numbers\ np\_\_1) = ReplSep\ (toset\ (\lambda X0 : \iota.m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))\ (\lambda X0 : \iota.(k17\_euclid\ X0 = k6\_numbers) \wedge ((r1\_xxreal\_0\ (k18\_euclid\ X0)\ np\_\_1) \wedge (r1\_xxreal\_0\ k6\_numbers\ (k18\_euclid\ X0))))\ (\lambda X0 : \iota.X0)) \wedge ((k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k19\_euclid\ k6\_numbers\ np\_\_1)\ (k19\_euclid\ np\_\_1\ np\_\_1) = ReplSep\ (toset\ (\lambda X0 : \iota.m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))\ (\lambda X0 : \iota.(r1\_xxreal\_0\ (k17\_euclid\ X0)\ np\_\_1) \wedge ((r1\_xxreal\_0\ k6\_numbers\ (k17\_euclid\ X0)) \wedge (k18\_euclid\ X0 = np\_\_1)))\ (\lambda X0 : \iota.X0)) \wedge ((k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k19\_euclid\ k6\_numbers\ k6\_numbers)\ (k19\_euclid\ np\_\_1\ k6\_numbers) = ReplSep\ (toset\ (\lambda X0 : \iota.m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))\ (\lambda X0 : \iota.(r1\_xxreal\_0\ (k17\_euclid\ X0)\ np\_\_1) \wedge ((r1\_xxreal\_0\ k6\_numbers\ (k17\_euclid\ X0)) \wedge (k18\_euclid\ X0 = k6\_numbers)))\ (\lambda X0 : \iota.X0)) \wedge (k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k19\_euclid\ np\_\_1\ k6\_numbers)\ (k19\_euclid\ np\_\_1\ np\_\_1) = ReplSep\ (toset\ (\lambda X0 : \iota.m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))\ (\lambda X0 : \iota.(k17\_euclid\ X0 = np\_\_1) \wedge ((r1\_xxreal\_0\ (k18\_euclid\ X0)\ np\_\_1) \wedge (r1\_xxreal\_0\ k6\_numbers\ (k18\_euclid\ X0))))\ (\lambda X0 : \iota.X0))) \tag{2}$$

Assume the following.

$$v1\_xboole\_0\ np\_\_0 \tag{3}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{4}$$

Assume the following.

$$k17\_euclid\ (k19\_euclid\ k6\_numbers\ np\_\_1) = k6\_numbers \tag{5}$$

Theorem 1

$$\neg k19\_euclid\ k6\_numbers\ np\_\_1 \in k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k19\_euclid\ np\_\_1\ k6\_numbers)\ (k19\_euclid\ np\_\_1\ np\_\_1)$$