

t18_xxreal_1 (TMJdAD-
HjPNf7EjW93dw3CJ1HmDVWpi7vMBA)

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Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k2_xxreal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k5_complex1 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7_numbers : \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \neg(X0 \neq k1_xboole_0) \wedge (\forall X1. \neg X1 \in X0) \quad (1)$$

Assume the following.

$$k5_complex1 = k1_xboole_0 \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. (v1_xxreal_0 X0) \Rightarrow (\forall X1. (v1_xxreal_0 X1) \Rightarrow (k2_xxreal_1 \\ X0 X1 = ReplSep (toset (\lambda X2 : \iota. m1_subset_1 X2 k7_numbers)) \\ (\lambda X2 : \iota. (r1_xxreal_0 X0 X2) \wedge (\neg r1_xxreal_0 X1 X2)) (\lambda X2 : \\ \iota. X2)))) \quad (3) \end{aligned}$$

Assume the following.

$$k1_xboole_0 = the (\lambda X0 : \iota. v1_xboole_0 X0) \quad (4)$$

Theorem 1 $\forall X0. (v1_xxreal_0 X0) \Rightarrow (k2_xxreal_1 X0 X0 = k1_xboole_0).$