

l31_scpqsort
(TMX91gwbMehyTjzz2RKRAZq3syoFzECkyfj)

October 27, 2020

Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $r1_xreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$k6_numbers = k1_xboole_0 \tag{1}$$

Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow (\neg(\neg r1_xreal_0 np_1 X0) \wedge ((X0 \neq k6_numbers) \wedge (r1_xreal_0 k6_numbers X0))) \tag{2}$$

Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow (\neg(\neg r1_xreal_0 k6_numbers X0) \wedge ((X0 \neq k4_xcmplx_0 np_1) \wedge (r1_xreal_0 (k4_xcmplx_0 np_1) X0))) \tag{3}$$

Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow ((\neg r1_xreal_0 np_1 X0) \Leftrightarrow (r1_xreal_0 X0 k1_xboole_0)) \tag{4}$$

Assume the following.

$$k1_xboole_0 = the (\lambda X0 : \iota.v1_xboole_0 X0) \tag{5}$$

Theorem 1

$$\forall X0.(v1_int_1 X0) \Rightarrow (\neg(r1_xreal_0 (k4_xcmplx_0 np_1) X0) \wedge ((r1_xreal_0 X0 k6_numbers) \wedge ((X0 \neq k4_xcmplx_0 np_1) \wedge (X0 \neq k6_numbers))))$$