

l27_wsierp_1
(TMPdZcwuDsrs82ZeniZ68KAQEc6qk5cCXgi)

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Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $r1_xreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow ((\neg r1_xreal_0 X1 X0) \Rightarrow (r1_xreal_0 (k3_real_1 X0 np_1) X1))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_xreal_0 X1) \Rightarrow (\neg(r1_xreal_0 X0 X1) \wedge (r1_xreal_0 (k2_xcmplx_0 X1 np_1) X0))) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xreal_0 X0) \wedge (m1_subset_1 X1 k1_numbers)) \Rightarrow (k3_real_1 X0 X1 = k2_xcmplx_0 X0 X1) \quad (3)$$

Assume the following.

$$m1_subset_1 np_1 k1_numbers \quad (4)$$

Assume the following.

$$\forall X0.(v1_int_1 X0) \Rightarrow (v1_xreal_0 X0) \quad (5)$$

Theorem 1

$$\forall X0.(v1_int_1 X0) \Rightarrow (\forall X1.(v1_int_1 X1) \Rightarrow ((\neg r1_xreal_0 (k3_real_1 X1 np_1) X0) \Leftrightarrow (r1_xreal_0 X0 X1)))$$