

l2_abian

(TMcy1WNbiQvMjsawCTMsMLPQ4sZ4Fgi9xyk)

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Let $v1_int_1 : \iota \Rightarrow o$ be given. Let $v1_abian : \iota \Rightarrow o$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $r1_int_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & ((v2_xxreal_0 \ np_2) \wedge (m2_subset_1 \ np_2 \ k1_numbers \ k5_numbers)) \wedge \\ & ((m1_subset_1 \ np_2 \ k5_numbers) \wedge (m1_subset_1 \ np_2 \ k1_numbers)) \end{aligned} \quad (1)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0.(v1_int_1 \ X0) \Rightarrow (\forall X1.(v1_int_1 \ X1) \Rightarrow ((r1_int_1 \\ & X0 \ X1) \Leftrightarrow (\exists X2.(v1_int_1 \ X2) \wedge (X1 = k3_xcmplx_0 \ X0 \ X2)))) \end{aligned} \quad (3)$$

Assume the following.

$$\forall X0.(v1_int_1 \ X0) \Rightarrow ((v1_abian \ X0) \Leftrightarrow (r1_int_1 \ np_2 \ X0)) \quad (4)$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k4_ordinal1) \Rightarrow (v7_ordinal1 \ X0) \quad (5)$$

Assume the following.

$$\forall X0.(v7_ordinal1 \ X0) \Rightarrow (v1_int_1 \ X0) \quad (6)$$

Theorem 1

$$\begin{aligned} & \forall X0.(v1_int_1 \ X0) \Rightarrow ((v1_abian \ X0) \Leftrightarrow (\exists X1.(v1_int_1 \\ & X1) \wedge (X0 = k3_xcmplx_0 \ np_2 \ X1))) \end{aligned}$$