

t60_comptrig

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_numbers : \iota$ be given. Let $m1_comptrig : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k1_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((\neg v1_xboole_0 X0) \wedge (v7_ordinal1 X0)) \Rightarrow (\forall X1. (m1_comptrig X1 k6_numbers X0) \Rightarrow (X1 = k6_numbers)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((v1_xcmplx_0 X0) \wedge ((\neg v1_xboole_0 X1) \wedge (v7_ordinal1 X1))) \Rightarrow (\exists X2. m1_comptrig X2 X0 X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((v1_xcmplx_0 X0) \wedge ((\neg v1_xboole_0 X1) \wedge (v7_ordinal1 X1))) \Rightarrow (\forall X2. (m1_comptrig X2 X0 X1) \Rightarrow (v1_xcmplx_0 X2)) \quad (3)$$

Assume the following.

$$\forall X0. (v1_xcmplx_0 X0) \Rightarrow (\forall X1. ((\neg v1_xboole_0 X1) \wedge (v7_ordinal1 X1)) \Rightarrow (\forall X2. (v1_xcmplx_0 X2) \Rightarrow ((m1_comptrig X2 X0 X1) \Leftrightarrow (k1_newton X2 X1 = X0)))) \quad (4)$$

Assume the following.

$$\forall X0. (m1_subset_1 X0 k2_numbers) \Rightarrow (v1_xcmplx_0 X0) \quad (5)$$

Theorem 1

$$\forall X0. ((\neg v1_xboole_0 X0) \wedge (v7_ordinal1 X0)) \Rightarrow (\forall X1. (m1_subset_1 X1 k2_numbers) \Rightarrow (\forall X2. (m1_comptrig X2 X1 X0) \Rightarrow ((X2 = k6_numbers) \Rightarrow (X1 = k6_numbers))))$$