

l6_quaterni (TMFpmvpUNAnbC- JaFH2xuzpagyGv5vsCAXpp)

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Let $r2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $np_1 : \iota$ be given. Let $np_2 : \iota$ be given. Let $np_3 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $np_0 : \iota$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \tag{1}$$

Assume the following.

$$v1_xboole_0 np_0 \tag{2}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(r2_zfmisc_1 X0 X1 X2 X3) \Leftrightarrow ((X0 \neq X1) \wedge ((X0 \neq X2) \wedge ((X0 \neq X3) \wedge ((X1 \neq X2) \wedge ((X1 \neq X3) \wedge (X2 \neq X3)))))) \tag{4}$$

Theorem 1 $r2_zfmisc_1 k6_numbers np_1 np_2 np_3$.