

115_xxreal_3
(TMQ5zpUy3sy9DnUrUSZcJ2QBGx1523iU1ag)

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Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k2_xxreal_3 : \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow (k2_xxreal_3 (k2_xxreal_3 X0) = X0) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow ((v1_xxreal_0 (k2_xxreal_3 X0)) \wedge (v1_xreal_0 (k2_xxreal_3 X0))) \quad (2)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Leftrightarrow (X0 \in k1_numbers) \quad (3)$$

Theorem 1

$$\forall X0.(v1_xxreal_0 X0) \Rightarrow ((k2_xxreal_3 X0 \in k1_numbers) \Leftrightarrow (X0 \in k1_numbers))$$