

t6_circmb2

(TMNbAZmsR7zuUjzkzuzZk2Pv5FWff87VKhD)

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Let $v1_facirc_1 : \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_xboole_0 X0 X1) \Leftrightarrow (k4_xboole_0 X0 X1 = X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow ((v1_facirc_1 X0) \vee (r1_xboole_0 X0 X1)) \quad (2)$$

Theorem 1

$$\forall X0. (\neg v1_facirc_1 X0) \Rightarrow (\forall X1. (v1_relat_1 X1) \Rightarrow (k4_xboole_0 X0 X1 = X0))$$