

145_heyting3 (TMK-
MmNP8whXjVpst8xvYsJdvHqfcQTHktRx)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (X1 = k1_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (1)$$

Theorem 1

$$\forall X0. (\neg v1_xboole_0 X0) \Rightarrow (\neg (X0 \neq k1_tarski k1_xboole_0) \wedge ((k1_xboole_0 \in X0) \wedge (\forall X1. \neg (X1 \in X0) \wedge (X1 \neq k1_xboole_0))))$$