t2_heyting1 (TMVvs45MLshuW475J6rcPe7BCK2RJLSKv2H)

October 27, 2020

Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_finsub\_1 : \iota \Rightarrow \iota$ be given. Let $k7\_normform : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k9\_normform : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X1\ (k5\_finsub\_1\ (k7\_normform\ X0))) \Rightarrow (r1\_tarski\ (k9\_normform\ X0\ X1)\ X1) \tag{1}$$

Assume the following.

$$\forall X0.(r1\_tarski\ X0\ k1\_xboole\_0) \Rightarrow (X0 = k1\_xboole\_0) \tag{2}$$

Theorem 1

$$\forall X0.\forall X1.(m1\_subset\_1\ X1\ (k5\_finsub\_1\ (k7\_normform\ X0))) \Rightarrow ((X1 = k1\_xboole\_0) \Rightarrow (k9\_normform\ X0\ X1 = k1\_xboole\_0))$$