t11_numbers (TMKAzUo6v4t72qYgk7g43WwqgByUC2JTNcw)

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Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $k2\_numbers : \iota$ be given. Let $r2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$r2\_xboole\_0\ k1\_numbers\ k2\_numbers \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(r2\_xboole\_0\ X0\ X1) \Leftrightarrow ((r1\_tarski\ X0\ X1) \wedge (X0 \neq X1)) \tag{2}$$

Theorem 1 $r1\_tarski\ k1\_numbers\ k2\_numbers.$