t260_xxreal_1 (TMVnm-LaU9Qd3ZkiUd7krAEyPQx6R6VcTDYZ)

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Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_xxreal\_0 : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (r1\_xxreal\_0\ k2\_xxreal\_0\ X0) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow (\forall X2.(v1\_xxreal\_0\ X2) \Rightarrow (\forall X3.(v1\_xxreal\_0\ X3) \Rightarrow ((r1\_xxreal\_0\ X0\ X1) \Rightarrow ((r1\_xxreal\_0\ X3\ X2) \vee (r1\_tarski\ (k1\_xxreal\_1\ X1\ X2)\ (k2\_xxreal\_1\ X0\ X3))))))) \tag{2}$$

Assume the following.

$$v1\_xxreal\_0\ k2\_xxreal\_0 \tag{3}$$

Theorem 1

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow (\forall X2.(v1\_xxreal\_0\ X2) \Rightarrow ((\neg r1\_xxreal\_0\ X1\ X0) \Rightarrow (r1\_tarski\ (k1\_xxreal\_1\ X2\ X0)\ (k2\_xxreal\_1\ k2\_xxreal\_0\ X1)))))$$