

t4\_topreala  
(TMbbMftanZ23cRHsZukLu8ZhXL6Zv6qhJHo)

October 27, 2020

Let  $k10\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_funct\_4 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. k10\_finseq\_1 X0 X1 = k2\_tarski (k4\_tarski np\_1 X0) (k4\_tarski np\_2 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. (X0 \neq X2) \Rightarrow (k4\_funct\_4 X0 X2 X1 X3 = k2\_tarski (k4\_tarski X0 X1) (k4\_tarski X2 X3)) \quad (2)$$

**Theorem 1**  $\forall X0. \forall X1. k10\_finseq\_1 X0 X1 = k4\_funct\_4 np\_1 np\_2 X0 X1.$