

## l4\_realset2

(TMWp3tXXVhudcNV4RqZGva46irS8GSJDm4P)

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Let  $k6\_numbers : \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{1}$$

Assume the following.

$$np\_2 = k2\_tarski k6\_numbers np\_1 \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2\_tarski X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \tag{3}$$

**Theorem 1**  $k6\_numbers \in np\_2$ .