t20_card_2 (TM-FCFBW9dU6dwf5wnRsFaDFUxv2dse54LNa)

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Let $v1\_card\_1 : \iota \Rightarrow o$ be given. Let $k2\_card\_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k1\_card\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.(k2\_zfmisc\_1\ X0\ X1 = k1\_xboole\_0) \Leftrightarrow ((X0 = k1\_xboole\_0) \vee (X1 = k1\_xboole\_0)) \tag{1}$$

Assume the following.

$$k1\_card\_1\ k1\_xboole\_0 = k1\_xboole\_0 \tag{2}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{3}$$

Assume the following.

$$\forall X0.v1\_card\_1\ (k1\_card\_1\ X0) \tag{4}$$

Assume the following.

$$\forall X0.(v1\_card\_1\ X0) \Rightarrow (\forall X1.(v1\_card\_1\ X1) \Rightarrow (k2\_card\_2\ X0\ X1 = k1\_card\_1\ (k2\_zfmisc\_1\ X0\ X1))) \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_card\_1\ X0) \wedge (v1\_card\_1\ X1)) \Rightarrow (k2\_card\_2\ X0\ X1 = k2\_card\_2\ X1\ X0) \tag{6}$$

Theorem 1 $\forall X0.(v1\_card\_1\ X0) \Rightarrow (k2\_card\_2\ X0\ k6\_numbers = k6\_numbers)$.