t44_topgen_5 (TMWo8dmFMmo8M7fJ86KAbZbs7jnQZNgh4L4)

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Let $v7\_topgen\_1 : \iota \Rightarrow o$ be given. Let $k2\_topgen\_3 : \iota$ be given. Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $v2\_pre\_topc : \iota \Rightarrow o$ be given. Let $l1\_pre\_topc : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $v1\_tops\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4\_card\_3 : \iota \Rightarrow o$ be given. Let $k3\_numbers : \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $v1\_pre\_topc : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge ((v2\_pre\_topc\ X0) \wedge (l1\_pre\_topc\ X0))) \Rightarrow ((v7\_topgen\_1\ X0) \Leftrightarrow (\exists X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \wedge ((v1\_tops\_1\ X1\ X0) \wedge (v4\_card\_3\ X1)))) \tag{1}$$

Assume the following.

$$(v1\_tops\_1\ k3\_numbers\ k2\_topgen\_3) \wedge (m1\_subset\_1\ k3\_numbers\ (k1\_zfmisc\_1\ (u1\_struct\_0\ k2\_topgen\_3))) \tag{2}$$

Assume the following.

$$u1\_struct\_0\ k2\_topgen\_3 = k1\_numbers \tag{3}$$

Assume the following.

$$v4\_card\_3\ k3\_numbers \tag{4}$$

Assume the following.

$$(\neg v2\_struct\_0\ k2\_topgen\_3) \wedge ((v1\_pre\_topc\ k2\_topgen\_3) \wedge ((v2\_pre\_topc\ k2\_topgen\_3) \wedge (l1\_pre\_topc\ k2\_topgen\_3))) \tag{5}$$

Theorem 1 *$v7\_topgen\_1\ k2\_topgen\_3$.*