t55_kurato_1 (TMacAucjNFFKwHqsirs9ETHCobGua8e4CZo)

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Let $k5\_card\_1 : \iota \Rightarrow \iota$ be given. Let $k5\_kurato\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_topmetr : \iota$ be given. Let $k6\_kurato\_1 : \iota$ be given. Let $np\_\_7 : \iota$ be given. Let $r5\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_tops\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_pre\_topc : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $v1\_pre\_topc : \iota \Rightarrow o$ be given. Let $v2\_pre\_topc : \iota \Rightarrow o$ 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 $l1\_pre\_topc : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.\ \forall X6.(r5\_zfmisc\_1\ X0\ X1\ X2\ X3\ X4\ X5\ X6) \Rightarrow (r5\_zfmisc\_1\ X0\ X1\ X4\ X2\ X5\ X6\ X3) \tag{1}$$

Assume the following.

$$r5\_zfmisc\_1\ k6\_kurato\_1\ (k1\_tops\_1\ k3\_topmetr\ k6\_kurato\_1)\ (k1\_tops\_1\ k3\_topmetr\ (k2\_pre\_topc\ k3\_topmetr\ k6\_kurato\_1))\ (k1\_tops\_1\ k3\_topmetr\ (k2\_pre\_topc\ k3\_topmetr\ (k1\_tops\_1\ k3\_topmetr\ k6\_kurato\_1)))\ (k2\_pre\_topc\ k3\_topmetr\ k6\_kurato\_1)\ (k2\_pre\_topc\ k3\_topmetr\ (k1\_tops\_1\ k3\_topmetr\ k6\_kurato\_1))\ (k2\_pre\_topc\ k3\_topmetr\ (k1\_tops\_1\ k3\_topmetr\ (k2\_pre\_topc\ k3\_topmetr\ k6\_kurato\_1))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.\ \forall X6.(r5\_zfmisc\_1\ X0\ X1\ X2\ X3\ X4\ X5\ X6) \Rightarrow (k5\_card\_1\ (k5\_enumset1\ X0\ X1\ X2\ X3\ X4\ X5\ X6) = np\_\_7) \tag{3}$$

Assume the following.

$$(\neg v2\_struct\_0\ k3\_topmetr) \wedge ((v1\_pre\_topc\ k3\_topmetr) \wedge (v2\_pre\_topc\ k3\_topmetr)) \tag{4}$$

Assume the following.

$$m1\_subset\_1\ k6\_kurato\_1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ k3\_topmetr)) \tag{5}$$

Assume the following.

$$(v2\_pre\_topc\ k3\_topmetr) \wedge (l1\_pre\_topc\ k3\_topmetr) \tag{6}$$

Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge ((v2\_pre\_topc\ X0) \wedge (l1\_pre\_topc\ X0))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0))) \Rightarrow (k5\_kurato\_1\ X0\ X1 = k5\_enumset1\ X1\ (k1\_tops\_1\ X0\ X1)\ (k2\_pre\_topc\ X0\ X1)\ (k1\_tops\_1\ X0\ (k2\_pre\_topc\ X0\ X1))\ (k2\_pre\_topc\ X0\ (k1\_tops\_1\ X0\ X1))\ (k2\_pre\_topc\ X0\ (k1\_tops\_1\ X0\ (k2\_pre\_topc\ X0\ X1)))\ (k1\_tops\_1\ X0\ (k2\_pre\_topc\ X0\ (k1\_tops\_1\ X0\ X1))))) \tag{7}$$

Theorem 1 $k5\_card\_1\ (k5\_kurato\_1\ k3\_topmetr\ k6\_kurato\_1) = np\_\_7$.