

t2\_mazurum  
(TMRZfTtRsQ7pVuoPt76RA2Z4LCdaUHw2oZ4)

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Let  $k6\_measure6 : \iota \Rightarrow \iota$  be given. Let  $k2\_urysohn1 : \iota$  be given. Let  $k1\_xxreal\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k1\_xboole\_0 : \iota$  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  $v1\_borsuk\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_pre\_topc : \iota \Rightarrow \iota \Rightarrow o$  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  $k2\_pre\_topc : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k17\_borsuk\_1 : \iota$  be given. Let  $k1\_rcomp\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k3\_topmetr : \iota$  be given. Let  $v2\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $k5\_topmetr : \iota$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $c1\_mazurum : \iota$  be given. Let  $k2\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $v1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $l1\_struct\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v1\_xboole\_0 X0) \Rightarrow (X0 = k1\_xboole\_0) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.((\neg v2\_struct\_0 X0) \wedge ((v2\_pre\_topc X0) \wedge (l1\_pre\_topc \\ X0))) \Rightarrow (\forall X1.((\neg v2\_struct\_0 X1) \wedge ((v1\_borsuk\_1 X1 X0) \wedge ( \\ m1\_pre\_topc X1 X0))) \Rightarrow (\forall X2.(m1\_subset\_1 X2 (k1\_zfmisc\_1 \\ (u1\_struct\_0 X0))) \Rightarrow (\forall X3.(m1\_subset\_1 X3 (k1\_zfmisc\_1 \\ (u1\_struct\_0 X1))) \Rightarrow ((X2 = X3) \Rightarrow (k2\_pre\_topc X0 X2 = k2\_pre\_topc \\ X1 X3)))))) \end{aligned} \quad (2)$$

Assume the following.

$$u1\_struct\_0 k17\_borsuk\_1 = k1\_rcomp\_1 k6\_numbers np\_1 \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 k1\_numbers)) \Rightarrow (\forall X1. \\ (m1\_subset\_1 X1 (k1\_zfmisc\_1 (u1\_struct\_0 k3\_topmetr))) \Rightarrow ((X0 = \\ X1) \Rightarrow (k6\_measure6 X0 = k2\_pre\_topc k3\_topmetr X1))) \end{aligned} \quad (4)$$

Assume the following.

$$u1\_struct\_0 \ k3\_topmetr = k1\_numbers \quad (5)$$

Assume the following.

$$\begin{aligned} & ((v2\_xxreal\_0 \ np\_1) \wedge (m2\_subset\_1 \ np\_1 \ k1\_numbers \ k5\_numbers)) \wedge \\ & ((m1\_subset\_1 \ np\_1 \ k5\_numbers) \wedge (m1\_subset\_1 \ np\_1 \ k1\_numbers)) \end{aligned} \quad (6)$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \quad (7)$$

Assume the following.

$$k5\_topmetr = k17\_borsuk\_1 \quad (8)$$

Assume the following.

$$\forall X0. \forall X1. ((v1\_xreal\_0 \ X0) \wedge (v1\_xreal\_0 \ X1)) \Rightarrow (k1\_rcomp\_1 \ X0 \ X1 = k1\_xxreal\_1 \ X0 \ X1) \quad (9)$$

Assume the following.

$$\exists X0. (v1\_xboole\_0 \ X0) \wedge ((v1\_xcmplx\_0 \ X0) \wedge ((v1\_xxreal\_0 \ X0) \wedge (v1\_xreal\_0 \ X0))) \quad (10)$$

Assume the following.

$$k2\_pre\_topc \ k5\_topmetr \ c1\_mazurulm = k2\_struct\_0 \ k5\_topmetr \quad (11)$$

Assume the following.

$$(\neg v2\_struct\_0 \ k17\_borsuk\_1) \wedge ((v1\_pre\_topc \ k17\_borsuk\_1) \wedge (v2\_pre\_topc \ k17\_borsuk\_1)) \quad (12)$$

Assume the following.

$$(\neg v2\_struct\_0 \ k3\_topmetr) \wedge ((v1\_pre\_topc \ k3\_topmetr) \wedge (v2\_pre\_topc \ k3\_topmetr)) \quad (13)$$

Assume the following.

$$v1\_borsuk\_1 \ k17\_borsuk\_1 \ k3\_topmetr \quad (14)$$

Assume the following.

$$\forall X0. (l1\_pre\_topc \ X0) \Rightarrow (l1\_struct\_0 \ X0) \quad (15)$$

Assume the following.

$$m1\_pre\_topc \ k5\_topmetr \ k3\_topmetr \quad (16)$$

Assume the following.

$$(v2\_pre\_topc\ k3\_topmetr)\wedge(l1\_pre\_topc\ k3\_topmetr) \quad (17)$$

Assume the following.

$$m1\_subset\_1\ k2\_urysohn1\ (k1\_zfmisc\_1\ k1\_numbers) \quad (18)$$

Assume the following.

$$l1\_pre\_topc\ k17\_borsuk\_1 \quad (19)$$

Assume the following.

$$m1\_subset\_1\ c1\_mazurulm\ (k1\_zfmisc\_1\ (u1\_struct\_0\ k5\_topmetr)) \quad (20)$$

Assume the following.

$$c1\_mazurulm = k2\_urysohn1 \quad (21)$$

Assume the following.

$$\forall X0.(l1\_struct\_0\ X0)\Rightarrow(k2\_struct\_0\ X0 = u1\_struct\_0\ X0) \quad (22)$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(v1\_xreal\_0\ X0) \quad (23)$$

**Theorem 1**  $k6\_measure6\ k2\_urysohn1 = k1\_xreal\_1\ k6\_numbers\ np\_1$ .