

## t9\_mfold\_2

(TMM23jEfqQwvj8m7vHeiHqRWax4BodfRCK)

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Let  $v2\_pre\_topc : \iota \Rightarrow o$  be given. Let  $l1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $v5\_waybel23 : \iota \Rightarrow o$  be given. Let  $r1\_mfold\_2 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r1\_borsuk\_3 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_waybel23 : \iota \Rightarrow \iota$  be given. Let  $r1\_t\_0topsp : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r1\_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_ordinal1 : \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0.((v2\_pre\_topc X0) \wedge (l1\_pre\_topc X0)) \Rightarrow (\forall X1. \\ & ((v2\_pre\_topc X1) \wedge (l1\_pre\_topc X1)) \Rightarrow ((r1\_borsuk\_3 X0 X1) \Rightarrow (k2\_waybel23 \\ & X0 = k2\_waybel23 X1))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((l1\_pre\_topc X0) \wedge (l1\_pre\_topc X1)) \Rightarrow ( \\ & (r1\_mfold\_2 X0 X1) \Leftrightarrow (r1\_t\_0topsp X0 X1)) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((l1\_pre\_topc X0) \wedge (l1\_pre\_topc X1)) \Rightarrow ( \\ & (r1\_borsuk\_3 X0 X1) \Leftrightarrow (r1\_t\_0topsp X0 X1)) \end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned} & \forall X0. (l1\_pre\_topc X0) \Rightarrow ((v5\_waybel23 X0) \Leftrightarrow (r1\_ordinal1 \\ & (k2\_waybel23 X0) k4\_ordinal1)) \end{aligned} \tag{4}$$

### Theorem 1

$$\begin{aligned} & \forall X0. ((v2\_pre\_topc X0) \wedge (l1\_pre\_topc X0)) \Rightarrow (\forall X1. \\ & ((v2\_pre\_topc X1) \wedge (l1\_pre\_topc X1)) \Rightarrow (((v5\_waybel23 X0) \wedge (r1\_mfold\_2 \\ & X0 X1)) \Rightarrow (v5\_waybel23 X1))) \end{aligned}$$