

# t5\_neckla\_2 (TMGuLZhQGrnpp- tYJCwy5qMye7cJDnLtN5bU)

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Let  $l1\_orders\_2 : \iota \Rightarrow o$  be given. Let  $k4\_neckla\_2 : \iota$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k13\_classes2 : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k3\_neckla\_2 : \iota$  be given. Let  $v1\_orders\_2 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 X0)) \Rightarrow (\forall X2. (X2 \in X1) \Rightarrow (X2 \in X0)) \quad (1)$$

Assume the following.

$$m1\_subset\_1 k4\_neckla\_2 (k1\_zfmisc\_1 k3\_neckla\_2) \quad (2)$$

Assume the following.

$$\forall X0. (X0 = k3\_neckla\_2) \Leftrightarrow (\forall X1. (X1 \in X0) \Leftrightarrow (\exists X2. ((v1\_orders\_2 X2) \wedge (l1\_orders\_2 X2)) \wedge ((X1 = X2) \wedge (u1\_struct\_0 X2 \in k13\_classes2)))) \quad (3)$$

**Theorem 1**

$$\forall X0. (l1\_orders\_2 X0) \Rightarrow ((X0 \in k4\_neckla\_2) \Rightarrow (u1\_struct\_0 X0 \in k13\_classes2))$$