

t80\_funct\_4

(TMFE8xJeT2HYrZbYrckPpM71puPLfhNgtwn)

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Let  $k1\_binop\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k17\_funcop\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k13\_funcop\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. k1\_binop\_1 (k13\_funcop\_1 X0 X1 X2) X0 X1 = X2 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k17\_funcop\_1 X0 X1 X2 = k13\_funcop\_1 X0 X1 X2 \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. k1\_binop\_1 (k17\_funcop\_1 X0 X1 X2) X0 X1 = X2$$