

## t18\_idea\_1

(TMM8byqoMWwQFVQa9dsgPShWjpXRtuPcrZi)

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Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $r1\_idea\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k7\_idea\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_ordinal1 : \iota$  be given. Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k5\_series\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_2 : \iota$  be given. Assume the following.

$$\forall X0. \forall X1. ((v1\_xxreal\_0 X0) \wedge (v1\_xxreal\_0 X1)) \Rightarrow (r1\_xxreal\_0 X0 X0) \quad (1)$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \quad (2)$$

Assume the following.

$$\forall X0. (v7\_ordinal1 X0) \Rightarrow (\forall X1. (v7\_ordinal1 X1) \Rightarrow ((X1 = k6\_numbers) \Rightarrow (k7\_idea\_1 X0 X1 = k5\_series\_1 np\_2 X0)) \wedge ((X1 \neq k6\_numbers) \Rightarrow (k7\_idea\_1 X0 X1 = X1)))) \quad (3)$$

Assume the following.

$$\forall X0. (m1\_subset\_1 X0 k5\_numbers) \Rightarrow (\forall X1. (m1\_subset\_1 X1 k5\_numbers) \Rightarrow ((r1\_idea\_1 X0 X1) \Leftrightarrow (\neg r1\_xxreal\_0 (k5\_series\_1 np\_2 X0) X1))) \quad (4)$$

Assume the following.

$$\forall X0. (m1\_subset\_1 X0 k4\_ordinal1) \Rightarrow (v7\_ordinal1 X0) \quad (5)$$

Assume the following.

$$\forall X0. (v7\_ordinal1 X0) \Rightarrow (v1\_xxreal\_0 X0) \quad (6)$$

### Theorem 1

$$\forall X0. (m1\_subset\_1 X0 k5\_numbers) \Rightarrow (\forall X1. (m1\_subset\_1 X1 k5\_numbers) \Rightarrow (\forall X2. (m1\_subset\_1 X2 k5\_numbers) \Rightarrow (((r1\_idea\_1 X0 X1) \wedge ((r1\_idea\_1 X0 X2) \wedge (k7\_idea\_1 X0 X1 = k7\_idea\_1 X0 X2))) \Rightarrow (X1 = X2))))))$$