

# l1\_frechet

(TMF2Hcbd6k6emrieBcAf974qE3zKk7brvmv)

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Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $k10\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0.(m1\_subset\_1 X0 k1\_numbers) \Rightarrow (\neg(\neg r1\_xxreal\_0 X0 k6\_numbers) \wedge \\ (\forall X1.(m2\_subset\_1 X1 k1\_numbers k5\_numbers) \Rightarrow (\neg(\neg r1\_xxreal\_0 \\ X1 k6\_numbers) \wedge (\neg r1\_xxreal\_0 X0 (k10\_real\_1 np\_1 X1)))))) \end{aligned} \tag{1}$$

## Theorem 1

$$\begin{aligned} \forall X0.(m1\_subset\_1 X0 k1\_numbers) \Rightarrow (\neg(\neg r1\_xxreal\_0 X0 k6\_numbers) \wedge \\ (\forall X1.(m2\_subset\_1 X1 k1\_numbers k5\_numbers) \Rightarrow (\neg(\neg r1\_xxreal\_0 \\ X0 (k10\_real\_1 np\_1 X1)) \wedge (\neg r1\_xxreal\_0 X1 k6\_numbers)))))) \end{aligned}$$