

## t26\_frechet2

(TMUbKCpx8idiaLoV8TVaU4Vwd9Zm84qYCjS)

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Let  $l1\_metric\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_pcomps\_1 : \iota \Rightarrow \iota$  be given. Let  $u1\_pre\_topc : \iota \Rightarrow \iota$  be given. Let  $k2\_pcomps\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(l1\_metric\_1 X0) \Rightarrow ((u1\_struct\_0 X0 = u1\_struct\_0 (k3\_pcomps\_1 X0)) \wedge (u1\_pre\_topc (k3\_pcomps\_1 X0) = k2\_pcomps\_1 X0)) \quad (1)$$

### Theorem 1

$$\begin{aligned} & \forall X0.(l1\_metric\_1 X0) \Rightarrow (\forall X1.((v1\_funct\_1 X1) \wedge (( \\ & v1\_funct\_2 X1 k5\_numbers (u1\_struct\_0 X0)) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 \\ & (k2\_zfmisc\_1 k5\_numbers (u1\_struct\_0 X0)))))) \Rightarrow ((v1\_funct\_1 \\ & X1) \wedge ((v1\_funct\_2 X1 k5\_numbers (u1\_struct\_0 (k3\_pcomps\_1 X0))) \wedge \\ & (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 k5\_numbers (u1\_struct\_0 \\ & (k3\_pcomps\_1 X0)))))))))) \end{aligned}$$