Strotegy	: To use the gre	en of the form Va Pras:
00	0	can choose, add Pa, to the given
		7 you want)
		are families of sets, their intersection
	not empty. The	en proof NFCUG.
	siven	Cool
		NFCUG.
		UxtxCAP > x tvb)
(>/Y	CFAX.6G	/XEUG
ne use	ACACFAALG) CFAA.6G CAP	GABEG LXEB)
	ICF (XEA)	B=A.
~	LA.	ZX EB
		<del></del>
Proof: Le	t x ENF. Since	ce FNG = \$, let Aobe a set with AoGF
		XENF, XEAO But AOEG SO XEUG.
		ry, NF = UG D
		0,
Exercise	3,3,16: 7 FCP	UB), then UF & B
Proo7.5	uppose FcPUS)	), let XEUF. So let AEF such that
		and FSPUB), so we have AGPUB). So
		CA, we fet that XEIS Since x is arbitrary,
		e, FCPCB) implies UF & B
	- Diretor	C) ( 2101) (YAYOC) O ( 21) [
7	/ /	
chercise	sca) let xGK.	Prove that if xx1 then there exist a y

that gt = x.

Guen boal XER X = ] = x -> y = -2 x -1 Proof-let x be a real number and assume xx1. let y= -2x-1, which is well-defined since x = 1. Note that y = 2 Since if y=2, 2-2x=-2x-1, which is a contradiction Now:  $\frac{3+1}{y-2} = \frac{-2x-1}{1-x} = x$  as required.  $\square$ the transition should write in a chain form.