	En: MEP(A) UPCB)
	A XEPLA) UXEPLB)
	A XCP(A) V X CP(B)
	iff bylyex->yEA) V DZ (Z6x->ZEB).
	P(A)UP(B) = P(AUB)
	e.f. A= {23 R= {33.
	PLAYUPUB) = { {2}, {2}, \$2}, \$ }
	$P_{AUB} = \{ \{ 2 \}, \{ 3 \}, \{ 2, 3 \}, \phi \}.$
	Pan n PcB) = PcAnB)
Intersections	family of sets: a set of sets
	Flor on Family of sey: OF = {x VAEF (x (A) }.
Unions of	UF= {x]AEF (x6A)].
	ef. F= \$ {1,2,3}, {2}, {2,4,6}].
Set S.	$OF = \{1, 2, 3\} \cap \{2\} \cap \{2, 4, 6\} = \{2\}$ $OF = \{1, 2, 3\} \cup \{2\} \cup \{2, 4, 6\} = \{1, 2, 3, 4, 6\}$
	0 - (1,2,5) 0 (2) - (1,2,3,7,0)
	Zx: () { [0, x) x ER } = {0}
	U ₹ [0, x) x CR } = [0, ∞).
	Ex: xeufiff JAEF (xeA)
	XGPLUF) :77 XSUF
	iff by yex->yeuf)
	iff by cytex -> FACF(YCA))
	7 = {A; i EI }.
	OF = QA;
	11) - (1)/1
	$Z_{\alpha}:\bigcap_{\alpha\in D}[0,\alpha)=\{0\}$
	KERT STORY
	$\bigcup_{n \in \mathcal{I}} [o, \pi) = [o, \infty).$
	76KT /

Ex: For ne zt, let Dun = {de z+ d n }.
$D(6) = \{1, 2, 3, 6\}.$
$\mathcal{D}(a) = \mathcal{Z}^{+}$
$\bigcap_{n} D_{n} = \{1\}$
 UD (n) = 2 +
D(n)= Zt
$ \begin{array}{c} \bigcap_{n} D_{(n)} = \{i\} \\ \bigcap_{n} D_{(n)} = \mathbb{Z}^{+} \\ \bigcap_{n} D_{(n)} = \mathbb{Z}^{+} \end{array} $
10,10