

	Definite 1 X-> to,13, 1(x) = iif { reD x e O x } e to 13
	1 st definet, da O1 = X
	$f(x) = 0 \forall x \in A_4$ (i)
	$f(x) = 1 \forall x \in A_2 (ii)$
a)	Existière sade 0,?
b)	lst of steting?
100	(a) = Konstruction con Or inclustry without Tu. V A. d. =x:30. U. Cx: A. = U. L. Su. V. OC.
3 h	Andrasg. Andre =0.
	=> X 1 2 Offere Chyclas von As
	$= > 3 \circ_0 \in \mathcal{O}_{\chi} : A_1 \subseteq \mathcal{O}_0 \subseteq \mathcal{O}_0 \subseteq \chi \setminus A_2$
	Lemma: Tu => VA exabg., OEX offer: ASO FUEX: ASUSUSO
	Beneis Sei X Tu-Raum AEX als, OEX offer nit A = 0
	=> X \ A offen
	B:= X O, B alg. und AOB = 8
	Pax Tu-Ram JU, V ex offen sid.
u=>4	AEU, BEV and Unv = 0
	$A \subseteq U, B \subseteq V \text{and} U \cap V = \emptyset$ $\Rightarrow U \subseteq X \setminus V \subseteq X \setminus B = \emptyset$
	= A C U S U C O
J =	"=" Seien A, A, E X abg. A, O Az = 0
420000	Sei. O = X Az Offen.
	$=>A_1\subseteq O$
	=> = Ueo. 4 = u = u = o = x A,
	$=> u \circ A_1 = \emptyset \circ da \circ u \subseteq \times A_2$
	Sei V = X Toffe => To Az = Ø cla To E X Az = Ø cla To E X Az => Az E V = X Toffe =>
	$=>U_0V=U_0(x)U)=\emptyset$
	=> [i]-[iii] für Do und O. = x exfilled







