T-, mult T+9 4,80 PM

f. P(T) -> P(A) x F(B), (+X=T) f(G):=(XNA, XNB)

 $(\forall \times \leq 7)$   $\overline{\lambda} := \overline{1} \setminus X$ 

· Lem ca:

(a) for ing ' (=> AUB = T

(6) f -> our (=> ANB = 0

(a) f > bj' (=> A = B (=> B = A

(a) = : Fie x, y = P(T) al . f(x) = f(y) (=)

(xnA,xnB) = (ynA,ynB)

 $(\Rightarrow) \begin{cases} \times nB = YnA \\ \text{'} \times nB = YnB \end{cases} \Rightarrow (\times nA) \cup (\times nB) = (YnA) \cup (YnB) \iff (\times nA) \cup (\times nB) = (YnA) \cup (YnB) \iff (\times nA) \cup (\times nB) = (YnA) \cup (YnB) \iff (\times nA) \cup (\times nB) = (YnA) \cup (YnB) \iff (\times nA) \cup (\times nB) = (YnA) \cup (YnB) \iff (\times nA) \cup (\times nB) = (YnA) \cup (YnB) \iff (\times nA) \cup (\times nB) = (YnA) \cup (XnB) \implies (XnA) \cup (XnB) = (YnA) \cup (XnB) \implies (XnB) = (YnA) \cup (XnB) \implies (XnA) \cup (XnB) = (YnA) \cup (XnB) = (YnB) =$ 

(=) ×n(AUB) = YN(AUB) (=) (AUB=T) ×nT=YNT(=) X=Y => fring

1 P abound AUB + T >> AUB FT (A) FX eT (AUB) @

( ) X et & x & AUB ( ) X et & a & A & d & B

 $f(5\alpha_3) = (4\alpha_3 nA, 4\alpha_3 nB) = (\emptyset, \emptyset) = (\emptyset nA, \emptyset nB) = f(\emptyset)$ No ou fring

(6) 1 p absurd ANB + p ( ) FX & ANB ( ) XeA 303@ PIA) 8 de B