

W7 Lecture Notes

Commutative Law

(PAQ)VR ARV(PAQ)

Distributive Law

RV (PAQ) (RVP)A (RVQ)

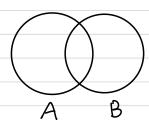
Truth Tables:

S→T A 7SVT

T	S	75	7SVT	S→T
T	Τ	π	Т	τ
F	T	F	۴	F
T	F	7	T	T
F	F	T	T	τ

Implication and Sets:

Can think of A-IB as if x in A then x in B.



A is the premise, and B is the conclusion.

A if and only if $B \Rightarrow A \Rightarrow B \text{ only if } (A \text{ only if } B)$ $B \Rightarrow A \text{ if } (A \text{ if } B)$