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	UTORIAL - 5 Date 30 11 2020
	BOOLEAN ALGEBRA
	[UI9CSOI2]
*	Theory
(A)	Distributive Lattice - A Lattice is said to be distributive
	if \ (a,b,c) \ \ (L = Lattice)
	a) $a \lor (b \land c) = (a \lor b) \land (a \lor c) \lor = Join$
	b) a 1 (b V c) = (a 1 b) V (a 1 c) 1 = Meet
	OR
	If the every element of Lattice hast atmost 1 complemen
	\forall ee L, no of (ec) ≤ 1
	elements ATMOST 1 COMMEMENT
(B)	Camplemented Lattice - A Lattice L is said to be complemented
	if every element Yael must have
	atleast one complement.
	OR CONTRACTOR OF THE PROPERTY
	Vael no. of (ac) 21
	Y a E L, no. of (ac) > 1 element ATLEAST 1 COMPLEMENT
(C)	Boolean Algebra - A Lattice 'L' is said to be Boolean Algebra,
	if it is complemented and Distributive
	Lattice
	OR
	Ya∈L ((no. of element-(a') ≤1) & (no. of element(a') >1)
	1
	Exactly one complement EXACTLY 1
	no of element (ac) = 1 complement
	THE RESERVE OF THE PARTY OF THE
(D)	complement of Lattice: In a bounded Lattice 'L', for any element
	'a'EL there exist element b'EL,
	such that





