

VERY IMPORTANT Postolate 2 (a) x+0=xPostulate 5 (a) x + x' = 1(b) x · x'= 0 Theorem 1 (a) x + x = x(b) x· x = x

Theorem 2 .1(a) : x+1=1. (b) x.0-0 Theorem 3, involution (x')=x

Commutative. (a) x+y=y+x (b) xy=yx

Distributive (a) $\chi(y+2)=\chi y+\chi z$ (b) $\chi+yz=(\chi+y)(\chi+z)$

De Morgan (a) (x+y) = x'y' (b) (xy)'=x'+y' Absorption (a) x + xy = x (b) x(x+y) = x

Associative (a) x + (y+z)=(x+y)+2 (b) x (yz)=(xy)z.

 $A \cdot A = A$

A + AB = A A (A+B) = A

A. (A+B) = AB Redundancy laws.

11.00

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