	Digital circuits.
	Boolean algebra & logic gates ('o' & 'i') -> Cost of the circuit. -> Simple realization of a circuit.
	George Boole: -> developed an algebraic system (Bookan algebra
-2	OR (+) @ 1'@ U @ V ? binary operators. AND (0) (0) (1) 1 @ 4 @ 4&) NOT. or inverter -> unary operators.
	In boolean algebra: In ordinary algebra A+A=A A-A=A A.A=A ²
و	In binary no system 1+1 = (10)
	Axions & postulater
	$\frac{\chi+0=\chi}{\chi+1=1}$
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	OR operation (logical addition) ANA operation (logical multiplication) MERIT

1.	Commutative law : vier la vier
2	A mociative land a de la dela de
	2 (y+2) = (x+y+2
2	Commutative law: $x+y=y+x$. $x,y=y,z$. A Mociative law: $x+(y+z)=(x+y)+z$ 2. $(y-z)=(x-y)-z$ Distributive law:
0.	
	$(ii) \chi(x) = \chi(x) + \chi(x).$
	(ii) $x(xy+z) = xy + xz$. (iii) $x + yz = (x+y)(x+z)$
	Absorption theorem:
	$\Rightarrow x(1+y) = x.1 = x$ $A+BC = (A+B)(A+C)$
	2. X+ x y = x + y.
	$\frac{2. \ \ }{(x+\bar{x})(x+y)}$
	MUX to logic gates:
1.	NAND, NOR-Universal gate.
4	NAND, NOR-Universal gade. MUX -> Universal logic
	2:1 MUX
	SIY
	A = inputs. OA B = inputs. OA n = selection lines. IB
	n -> selection lines. 1 B
	y = AS +BS.

