| | Akshatha. Y. E HAL18EC005 SURYAGOID DatePage |
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| | HAL18ECOUS |
| • | Logic Design: |
| | ALL MADE AND ALL M |
| · or | Boolean algebra: |
| | |
| | -> cost of the circuit. |
| | > Simple realization of a Grant |
| (alabasa) | To 1854 George Goode developed and |
| | algebraic System is called Boolean algebra." "Boolean algebra is a system of mathematical logic" |
| ت بام ا | Booken algebra is a system of mathematical |
| | logic: As a hadral of control |
| | It is defined with set of clements, a set of |
| | operators, and a no. of axioms ox postulate. |
| | -) Set of elements - (0,1) |
| | -> Two binary operators - OR & AND i @ (UDINX+) (-) @ n@ +0 |
| | peddo i (monowith) () () () () () |
| | -> Vonary operator - NoT. Invest. |
| 1 | Joseph Jest Sold sold Towerf: Howbest E Towerf |
|) | Booto & Monto Languer Palance Co |
| • | Axioms And Laws of Boolean algebra: |
| | -> Axioms or postulates of boolean algebra are a |
| | Axioms or postulates of Boolean algebra are a logical expressions upon which we can build useful theorems. |
| | useful theorems. |
| | "AND operation" "OR operation" "Not operation" |
| | Not operation" |
| | $\rightarrow 0.0 = 0$ $\rightarrow 0+0 = 0$ $\rightarrow 0.1 = 0$ (And operation. $\rightarrow 0+1 = 1$ of $\rightarrow 1.0 = 0$) $\rightarrow 1+0 = 1$ operation. $\rightarrow 1+1 = 1$ |
| | > 0.1 = 0 4 And operation> 0+1 = 1/08 |
| | -) 1.0 = 0 -) 1+0 = 1 operano |
| | |
| | > 00x 0 = 1 |
| | -) 000 O = 1 |
| | -) Tor 1' = 0 |
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