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**DIRECCIÓN ACADÉMICA**

**DEPARTAMENTO DE ELECTRÓNICA**

**Respeto – Responsabilidad – Resiliencia – Tolerancia**

**5°GUÍA DE AUTOAPRENDIZAJE**

**MÓDULO : Proyectos y Ensamblaje  
TEMA: “Circuitos Combinacionales”**

**Nombre: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Curso 3°B Fecha: \_\_\_\_/\_\_\_\_/2020**

**Objetivo:**

* **Reconocer los elementos de una Tabla de Verdad**
* **Relacionar el funcionamiento de un Sistema Eléctrico con su Tabla de Verdad.**

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| **Tablas de Verdad**  Las **TABLAS DE VERDAD** se utilizan para explicar el funcionamiento lógico de un dispositivo, máquina o sistema digital, utilizando los 0 y 1 como elementos indicadores de estado principalmente. | |
| Algebra de Boole III - Monografias.com |  |
|  |

**Actividad**  : Explicar con Tablas de Verdad el funcionamiento de los siguiente Sistemas Eléctricos.

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|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | C | B | A | Lv | La | Lr | | 0 | 0 | 0 |  |  |  | | 0 | 0 | 1 |  |  |  | | 0 | 1 | 0 |  |  |  | | 0 | 1 | 1 |  |  |  | | 1 | 0 | 0 |  |  |  | | 1 | 0 | 1 |  |  |  | | 1 | 1 | 0 |  |  |  | | 1 | 1 | 1 |  |  |  | |
| Explicación : | |
|  | |  |  |  |  |  | | --- | --- | --- | --- | --- | | Hora  De  Clases | C | B | A | Ventilador | | 1° | 0 | 0 | 0 |  | | 2° | 0 | 0 | 1 |  | | 3° | 0 | 1 | 0 |  | | 4° | 0 | 1 | 1 |  | | 5° | 1 | 0 | 0 |  | | 6° | 1 | 0 | 1 |  | | 7° | 1 | 1 | 0 |  | | 8° | 1 | 1 | 1 |  | |
| Explicación : | |

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|  | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | D | C | B | A | Lv | Lr | La | | 0 | 0 | 0 | 0 |  |  |  | | 0 | 0 | 0 | 1 |  |  |  | | 0 | 0 | 1 | 0 |  |  |  | | 0 | 0 | 1 | 1 |  |  |  | | 0 | 1 | 0 | 0 |  |  |  | | 0 | 1 | 0 | 1 |  |  |  | | 0 | 1 | 1 | 0 |  |  |  | | 0 | 1 | 1 | 1 |  |  |  | | 1 | 0 | 0 | 0 |  |  |  | | 1 | 0 | 0 | 1 |  |  |  | | 1 | 0 | 1 | 0 |  |  |  | | 1 | 0 | 1 | 1 |  |  |  | | 1 | 1 | 0 | 0 |  |  |  | | 1 | 1 | 0 | 1 |  |  |  | | 1 | 1 | 1 | 0 |  |  |  | | 1 | 1 | 1 | 1 |  |  |  | |
| Explicación : | |

***Recuerda consultar al Profesor Marco Guzmán ó Profesor Oscar Conejero al correo electrónico*** [***electronicacestarosa@gmail.com***](mailto:electronicacestarosa@gmail.com) ***o también en Classroom de Electrónica Digital, si tienes algunas preguntas o dudas.***

