Programación – Operadores lógicos Quique Pineda

1. Rellena la siguiente tabla en función de los operadores lógicos.

|  |  |  |  |
| --- | --- | --- | --- |
| **A** | **B** | **NOT A** | **B AND (NOT A)** |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 |

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **A** | **B** | **NOT B** | **A OR (NOT B)** | **(A OR (NOT B)) AND B** |
| 0 | 0 | 1 | 1 | 0 |
| 0 | 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 1 | 0 |
| 1 | 1 | 0 | 1 | 1 |

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|  |  |  |  |
| --- | --- | --- | --- |
| **A** | **B** | **A XOR B** | **NOT (B OR (A XOR B))** |
| 0 | 0 | 0 | 1 |
| 0 | 1 | 1 | 0 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 |

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **A** | **B** | **A AND B** | **NOT A** | **((A AND B) OR (NOT A))** |
| 0 | 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 | 1 |

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **A** | **B** | **NOT A** | **NOT B** | **(NOT A) OR (NOT B)** |
| 0 | 0 | 1 | 1 | 1 |
| 0 | 1 | 1 | 0 | 1 |
| 1 | 0 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 | 0 |