# Truth Tables

Here follows some truth tables for some uncommon operator and functions.

## AND

|  |  |  |
| --- | --- | --- |
| **INPUT** | | **OUTPUT** |
| **LHS** | **RHS** |  |
| 0 | 0 | 0 |
| 1 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

## NAND

|  |  |  |
| --- | --- | --- |
| **INPUT** | | **OUTPUT** |
| **LHS** | **RHS** |  |
| 0 | 0 | 1 |
| 1 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

## NOR

|  |  |  |
| --- | --- | --- |
| **INPUT** | | **OUTPUT** |
| **LHS** | **RHS** |  |
| 0 | 0 | 1 |
| 1 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 0 |

## NOT

|  |  |  |  |
| --- | --- | --- | --- |
| **INPUT** | | **OUTPUT** | |
| **LHS** |  | |
| 0 | 1 | |
| 1 | 0 | |

## OR

|  |  |  |
| --- | --- | --- |
| **INPUT** | | **OUTPUT** |
| **LHS** | **RHS** |  |
| 0 | 0 | 0 |
| 1 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

## XAND

|  |  |  |
| --- | --- | --- |
| **INPUT** | | **OUTPUT** |
| **LHS** | **RHS** |  |
| 0 | 0 | 0 |
| 1 | 1 | 0 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

## XNOR

|  |  |  |
| --- | --- | --- |
| **INPUT** | | **OUTPUT** |
| **LHS** | **RHS** |  |
| 0 | 0 | 1 |
| 1 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

## XOR

|  |  |  |
| --- | --- | --- |
| **INPUT** | | **OUTPUT** |
| **LHS** | **RHS** |  |
| 0 | 0 | 0 |
| 1 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |