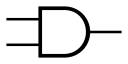
# Aula 2 – Funções Booleanas Elementares

Booleano – {0,1} -> V ou F

## Porta Lógica

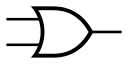
|  |  |  |
| --- | --- | --- |
| **ENTRADA** | | **SAÍDA** |
| A | B | A AND B |
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

Porta E (AND)



|  |  |  |
| --- | --- | --- |
| **ENTRADA** | | **SAÍDA** |
| A | B | A OR B |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

Porta OU (OR)



|  |  |  |
| --- | --- | --- |
| **ENTRADA** | | **SAÍDA** |
| A | B | A XOR B |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

Porta OU EXCLUSIVO (XOR)

