**Atividade Prática UC – 9**

**Tabela Verdade**

**Nome do Aluno:**

Resolva as tabelas verdade abaixo :

|  |  |  |
| --- | --- | --- |
| P | Q | P V Q |
| V | V | V |
| V | F | v |
| F | V | v |
| F | F | F |

|  |  |  |
| --- | --- | --- |
| P | Q | PɅ Q |
| V | V | V |
| V | F | F |
| F | V | F |
| F | F | F |

|  |  |  |
| --- | --- | --- |
| P | Q | P→ Q |
| V | V |  |
| V | F |  |
| F | V |  |
| F | F |  |

|  |  |  |
| --- | --- | --- |
| P | Q | P↔ Q |
| V | V |  |
| V | F |  |
| F | V |  |
| F | F |  |

|  |  |  |
| --- | --- | --- |
| P | Q | P Ʌ ¬ Q |
| V | V |  |
| V | F |  |
| F | V |  |
| F | F |  |

|  |  |  |
| --- | --- | --- |
| P | Q | ¬ (P V Q) |
| V | V |  |
| V | F |  |
| F | V |  |
| F | F |  |

Construa a tabela da verdade para a seguinte proposição: E = (p ∨ (¬p ∨ q)) ∧ ¬(q ∧ ¬r)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **P** | **Q** | **R** | **(p ∨ (¬p ∨ q))** | **¬(q ∧ ¬r)** | **E** |
| **V** | **V** | **V** |  |  |  |
| **V** | **V** | **F** |  |  |  |
| **V** | **F** | **V** |  |  |  |
| **V** | **F** | **F** |  |  |  |
| **F** | **V** | **V** |  |  |  |
| **F** | **V** | **F** |  |  |  |
| **F** | **F** | **V** |  |  |  |
| **F** | **F** | **F** |  |  |  |