Exo Partie1

7.

1. p ∨ ¬p

|  |  |  |
| --- | --- | --- |
| **p** | **¬p** | **p ∨ ­¬p** |
| 0 | 1 | 1 |
| 1 | 0 | 1 |

1. p ∨ ¬(p ∧ q)

|  |  |  |  |
| --- | --- | --- | --- |
| **p** | **q** | **¬(p ∧ q)** | **p ∨ ¬(p ∧ q)** |
| 0 | 0 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |

1. [p ∧ (p🡪q)]🡪q

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **p** | **q** | **(p🡪q)** | **p ∧ (p🡪q)** | **[p ∧(p🡪q)]🡪q** |
| 0 | 0 | 1 | 0 | 1 |
| 1 | 0 | 0 | 0 | 1 |
| 0 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 |

1. [(p🡪q) ∧ **¬q**]🡪 **¬**p

8.

1. La

9.