|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (0∨1) |  (0∨1) | (1∨1) |  (0∨1)∨(1∨1) |
| 0 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 |

2)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1∨1) | (1∨1)∨0 | (1∨1∨0) | (1∨1∨0)∨1 |
| 0 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 |

3)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1→1 | (1→1) | 0≡0 | (1→1)∨(0≡0) |
| 0 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 |

4)

|  |  |  |  |
| --- | --- | --- | --- |
|  | (0∧1) | (0∧1)∧1 | (0∧1)∧1 |
| 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 0 |

5)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1∧1) | 1∧(1∧1) | 1∧(1∧1)∧1 | 1∧(1∧1)∧1 |
| 0 | 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 | 1 |

6)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | (0∨1) | (1∧1) | (0∨1)∧(1∧1) | (0∨1)∧(1∧1)∧(0∨1) | (0∨1)∧(1∧1)∧(0∨1) |
| 0 | 1 | 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 |

7)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | (1∧0) | (0∨1) | (1∧0)→(0∨1) | (1∧0→(0∨1)) | (1∧0→(0∨1))∨1 |
| 0 | 0 | 1 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 | 1 | 1 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ¬1 | 1∧¬1 | 1∧¬1∨0 | 0∨¬1 | (1∧¬1∨0)∧(0∨¬1) | (1∧¬1∨0)∧(0∨¬1) |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 |

8)