Таблица истинности

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| A | B | ⌐B | ⌐A | ⌐B & ⌐A | AvB | ⌐B & ⌐A v(AvB) |
| 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| 1 | 0 | 1 | 0 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 | 0 | 1 | 1 |

Решаем в 3 действия

По приоритету действий:

1)Логическое отрицание (инверсия)

|  |  |
| --- | --- |
| x | ⌐x |
| 0 | 1 |
| 1 | 0 |

2)Логическое умножение (конъюнкция)

|  |  |  |
| --- | --- | --- |
| x | y | x & y |
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

3)Логическое сложение (дизъюнкция)

|  |  |  |
| --- | --- | --- |
| x | y | x v y |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |