|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Самостоятельная работа****по теме «Таблицы истинности»****Вариант 1**1. ***Определите, для какой операции представлена таблица истинности:***

|  |  |  |  |
| --- | --- | --- | --- |
| ***0*** | ***0*** | ***1*** | ***а) конъюнкция******б) дизъюнкция******в) импликация******г) эквивалентность******д) инверсия*** |
| ***0*** | ***1*** | ***0*** |
| ***1*** | ***0*** | ***0*** |
| ***1*** | ***1*** | ***1*** |

1. ***Для какой операции, высказывание, является истинным тогда и только тогда, когда оба исходных высказывания истинны.***

|  |
| --- |
| ***а) конъюнкция******б) дизъюнкция******в) импликация******г) эквивалентность******д) инверсия*** |
|
|
|

1. ***Для высказывания (В построили таблицу истинности, выберите верную.***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***а)*** | ***0*** | ***0*** | ***1*** | ***0*** | ***б)*** | ***0*** | ***0*** | ***0*** | ***1*** | ***в)*** | ***1*** | ***0*** | ***0*** | ***1*** |
| ***0*** | ***1*** | ***1*** | ***0*** | ***1*** | ***0*** | ***0*** | ***1*** | ***0*** | ***0*** | ***1*** | ***0*** |
| ***1*** | ***0*** | ***0*** | ***1*** | ***0*** | ***1*** | ***0*** | ***1*** | ***0*** | ***1*** | ***1*** | ***0*** |
| ***1*** | ***1*** | ***1*** | ***0*** | ***1*** | ***1*** | ***1*** | ***0*** | ***1*** | ***1*** | ***1*** | ***0*** |

1. ***Постройте таблицу истинности:***

***а) F = (В******б) F = А → (¬ В ∨ А ∧ В).*** |
| **Самостоятельная работа****по теме «Таблицы истинности»****Вариант 2**1. ***Определите, для какой операции представлена таблица истинности:***

|  |  |  |  |
| --- | --- | --- | --- |
| ***0*** | ***0*** | ***1*** | ***а) конъюнкция******б) дизъюнкция******в) импликация******г) эквивалентность******д) инверсия*** |
| ***0*** | ***1*** | ***1*** |
| ***1*** | ***0*** | ***0*** |
| ***1*** | ***1*** | ***1*** |

1. ***Для какой операции, высказывание, является ложным тогда и только тогда, когда оба исходных высказывания ложны.***

|  |
| --- |
| ***а) конъюнкция******б) дизъюнкция******в) импликация******г) эквивалентность******д) инверсия*** |
|
|
|

1. ***Для высказывания (В построили таблицу истинности, выберите верную.***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***а)*** | ***0*** | ***0*** | ***0*** | ***1*** | ***б)*** | ***0*** | ***0*** | ***0*** | ***1*** | ***в)*** | ***0*** | ***0*** | ***1*** | ***0*** |
| ***0*** | ***1*** | ***1*** | ***0*** | ***1*** | ***0*** | ***0*** | ***1*** | ***1*** | ***0*** | ***0*** | ***1*** |
| ***1*** | ***0*** | ***1*** | ***0*** | ***0*** | ***0*** | ***0*** | ***1*** | ***0*** | ***1*** | ***1*** | ***0*** |
| ***1*** | ***1*** | ***1*** | ***0*** | ***1*** | ***1*** | ***1*** | ***0*** | ***1*** | ***1*** | ***1*** | ***0*** |

1. ***Постройте таблицу истинности:***

***а) F = (А******б) F = А → (¬ В ∧А ∨ В).*** |
| **Самостоятельная работа****по теме «Таблицы истинности»****Вариант 1****Ответ:**1. ***г***
2. ***а***
3. ***в***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***В*** | ***А*** | ***В*** | ***(В*** |
| ***а)*** | ***0*** | ***0*** | ***1*** | ***0*** |
| ***0*** | ***1*** | ***1*** | ***0*** |
| ***1*** | ***0*** | ***0*** | ***1*** |
| ***1*** | ***1*** | ***1*** | ***0*** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ***А*** | ***В*** | ***¬ В*** | ***А ∧ В*** | ***¬ В ∨ А ∧ В*** | ***F*** |
| ***б)*** | ***0*** | ***0*** | ***1*** | ***0*** | ***1*** | ***1*** |
| ***1*** | ***0*** | ***1*** | ***0*** | ***1*** | ***1*** |
| ***0*** | ***0*** | ***1*** | ***0*** | ***1*** | ***1*** |
| ***1*** | ***1*** | ***0*** | ***1*** | ***1*** | ***1*** |

 |
| **Самостоятельная работа****по теме «Таблицы истинности»****Вариант 2****Ответ:**1. ***в***
2. ***б***
3. ***а***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***А*** | ***В*** | ***А*** | ***(В*** |
| ***а)*** | ***0*** | ***0*** | ***1*** | ***0*** |
| ***0*** | ***1*** | ***1*** | ***0*** |
| ***1*** | ***0*** | ***0*** | ***1*** |
| ***1*** | ***1*** | ***1*** | ***0*** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ***А*** | ***В*** | ***¬ В*** | ***¬ В ∧ А*** | ***¬ В ∧ А∨ В*** | ***F*** |
| ***б)*** | ***0*** | ***0*** | ***1*** | ***1*** | ***0*** | ***1*** |
| ***1*** | ***0*** | ***1*** | ***1*** | ***0*** | ***0*** |
| ***0*** | ***0*** | ***1*** | ***1*** | ***0*** | ***1*** |
| ***1*** | ***1*** | ***0*** | ***1*** | ***1*** | ***1*** |

 |

