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| **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*** | |

