**6** **Вариант 1.** *Логические выражения 1* Фамилия\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Класс\_\_\_\_\_

Дана логическая формула, где А и В– логические выражения, которые могут иметь значения ***истина*** и ***ложь***. Заполнить таблицы.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **1** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Y = А и В**

|  |  |  |
| --- | --- | --- |
| A | B | Y= АВ |
| истина | истина |  |
| истина | ложь |  |
| ложь | истина |  |
| ложь | ложь |  |

 | **Y = А или В**

|  |  |  |
| --- | --- | --- |
| A | B | Y=А+В |
| истина | истина |  |
| истина | ложь |  |
| ложь | истина |  |
| ложь | ложь |  |

 |

 |
| **2** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Y = не(А и В)**

|  |  |  |
| --- | --- | --- |
| A | B |  |
| истина | истина |  |
| истина | ложь |  |
| ложь | истина |  |
| ложь | ложь |  |

 | **Y = А или не В**

|  |  |  |
| --- | --- | --- |
| A | B |  |
| истина | истина |  |
| истина | ложь |  |
| ложь | истина |  |
| ложь | ложь |  |

 |

 |
| **3** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Y = не А и В**

|  |  |  |
| --- | --- | --- |
| A | B |  |
| истина | истина |  |
| истина | ложь |  |
| ложь | истина |  |
| ложь | ложь |  |

 | **Y = не А или не В**

|  |  |  |
| --- | --- | --- |
| A | B |  |
| истина | истина |  |
| истина | ложь |  |
| ложь | истина |  |
| ложь | ложь |  |

 |

 |
| **4** | В восьмибитовой ячейке хранится беззнаковое число. Заполнить таблицу. Записать действия.

|  |  |  |
| --- | --- | --- |
| **содержимое ячейки** | **шестнадцатеричная запись** | **десятеричная запись** |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **1** | **1** |  |  | **1** | **1** | **1** |

  |  |  |
| Действия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

 |
| **5** | В восьмибитовой ячейке хранится знаковое отрицательное число. Запишите прямой, обратный и дополнительный коды.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **– 9310** |  |  |  |  | **– 4А16** |
|  |  |  |  |  |  |  |  | ***прямой*** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | ***обратный*** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | ***дополнительный*** |  |  |  |  |  |  |  |  |

 |
| **6** | В двухбайтовой ячейке хранится знаковое отрицательное число. Запишите шестнадцатеричный, прямой, обратный и дополнительный коды.

|  |  |  |  |  |
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|  |  |  |  | **– 1620510** |
| **шестнадцатеричный** |  |
| ***прямой*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***обратный*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***дополнительный*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **ст.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **мл.** |

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