**6** **Вариант 1.** *Логические выражения 1* **ОТВЕТЫ**

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Y = А и В**   |  |  |  | | --- | --- | --- | | A | B | Y= АВ | | истина | истина | **ист** | | истина | ложь | **л** | | ложь | истина | **л** | | ложь | ложь | **л** | | **Y = А или В**   |  |  |  | | --- | --- | --- | | A | B | Y=А+В | | истина | истина | **ист** | | истина | ложь | **ист** | | ложь | истина | **ист** | | ложь | ложь | **л** | | |
| **2** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Y = не(А и В)**   |  |  |  | | --- | --- | --- | | A | B |  | | истина | истина | **л** | | истина | ложь | **ист** | | ложь | истина | **ист** | | ложь | ложь | **ист** | | **Y = А или не В**   |  |  |  | | --- | --- | --- | | A | B |  | | истина | истина | **ист** | | истина | ложь | **ист** | | ложь | истина | **л** | | ложь | ложь | **ист** | | |
| **3** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Y = не А и В**   |  |  |  | | --- | --- | --- | | A | B |  | | истина | истина | **л** | | истина | ложь | **л** | | ложь | истина | **ист** | | ложь | ложь | **л** | | **Y = не А или не В**   |  |  |  | | --- | --- | --- | | A | B |  | | истина | истина | **л** | | истина | ложь | **ист** | | ложь | истина | **ист** | | ложь | ложь | **ист** | | |
| **4** | В восьмибитовой ячейке хранится беззнаковое число. Заполнить таблицу. Записать действия.   |  |  |  | | --- | --- | --- | | **содержимое ячейки** | **шестнадцатеричная запись** | **десятеричная запись** | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **1** | **1** | **1** |  |  | **1** | **1** | **1** | | **Е7** | **231** | | Действия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | |
| **5** | В восьмибитовой ячейке хранится знаковое отрицательное число. Запишите прямой, обратный и дополнительный коды.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **– 9310** | | | | | | | |  |  |  |  | **– 4А16** | | | | | | | | | **1** | **1** |  | **1** | **1** | **1** |  | **1** | ***прямой*** | | | | **1** | **1** |  |  | **1** |  | **1** |  | | **1** |  | **1** |  |  |  | **1** |  | ***обратный*** | | | | **1** |  | **1** | **1** |  | **1** |  | **1** | | **1** |  | **1** |  |  |  | **1** | **1** | ***дополнительный*** | | | | **1** |  | **1** | **1** |  | **1** | **1** |  | |
| **6** | В двухбайтовой ячейке хранится знаковое отрицательное число. Запишите шестнадцатеричный, прямой, обратный и дополнительный коды.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  | **– 1620510** | | | | | | | | | | | | | | | | | **шестнадцатеричный** | | | | **– 3F4D** | | | | | | | | | | | | | | | | | ***прямой*** | | | | **1** |  | **1** | **1** | **1** | **1** | **1** | **1** |  | **1** |  |  | **1** | **1** |  | **1** | | ***обратный*** | | | | **1** | **1** |  |  |  |  |  |  | **1** |  | **1** | **1** |  |  | **1** |  | | ***дополнительный*** | | | | **1** | **1** |  |  |  |  |  |  | **1** |  | **1** | **1** |  |  | **1** | **1** | |  | | | | **ст.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **мл.** | |