**Метод отображения**

Условие

**(X1** **∧** **X2)** **∨ (¬X1** **∧** **¬X2)** **∨ (X1** ≡ **X3) = 1**

**(X2** **∧** **X3)** **∨ (¬X2** **∧** **¬X3)** **∨ (X2** ≡ **X4) = 1**

**...**

**(X7** **∧** **X8)** **∨ (¬X7** **∧** **¬X8)** **∨ (X7** ≡ **X9) = 1**

**(X8** **∧** **X9)** **∨ (¬X8** **∧** **¬X9)** **∨ (X8** ≡ **X10) = 1**

**Решение**

(X1 ≡ X2)+ (X1 ≡ X3)=1

|  |  |  |  |
| --- | --- | --- | --- |
| **X1** | **X2** | **X3** |  |
| 0 | 0 | 0 | **+** |
| 0 | 0 | 1 | **+** |
| 0 | 1 | 0 | **+** |
| 0 | 1 | 1 | **-** |
| 1 | 0 | 0 | **-** |
| 1 | 0 | 1 | **+** |
| 1 | 1 | 0 | **+** |
| 1 | 1 | 1 | **+** |

Минусы рассматривать не будем

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **X1** | **X2** |  | **X2** | **X3** |
| 0 | 0 |  | 0 | 0 |
| 0 | 1 |  | 0 | 1 |
| 1 | 0 |  | 1 | 0 |
| 1 | 1 |  | 1 | 1 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **X1 X2** | **X2 X3** | **X3 X4** | **X4 X5** | **X5 X6** | **X6 X7** | **X7 X8** | **X8 X9** | **X9 X10** |
| 00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 01 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |