

Вариант 30

|  |  |  |
| --- | --- | --- |
| № состояния | № состояния из табл. 1 | Двоичный код q3,q2,q1,q0 |
| 0 | 10 | 1010 |
| 1 | 13 | 1101 |
| 2 | 4 | 0100 |
| 3 | 6 | 0110 |
| 4 | 7 | 0111 |
| 5 | 8 | 1000 |
| 6 | 14 | 1110 |
| 7 | 2 | 0010 |
| 8 | 9 | 1001 |
| 9 | 1 | 0001 |
| 10 | 12 | 1100 |
| 11 | 11 | 1011 |
| 12 | 3 | 0011 |
| 13 | 0 | 0000 |
| 14 | 5 | 0101 |
| 15 | 15 | 1111 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Старое состояние | | Условие | Новое состояние | |
| № | код |  | № | Код |
| 10 | 1010 | - | 13 | 1101 |
| 13 | 1101 | A = 0 | 9 | 1001 |
| 13 | 1101 | A = 1 | 4 | 0100 |
| 9 | 1001 | - | 1 | 0001 |
| 1 | 0001 | - | 12 | 1100 |
| 12 | 1100 | B = 0 | 3 | 0011 |
| 12 | 1100 | B = 1 | 11 | 1011 |
| 3 | 0011 | - | 2 | 0010 |
| 11 | 1011 | - | 2 | 0010 |
| 4 | 0100 | - | 6 | 0110 |
| 6 | 0110 | B = 0 | 7 | 0111 |
| 6 | 0110 | B = 1 | 8 | 1000 |
| 7 | 0111 | - | 14 | 1110 |
| 8 | 1000 | - | 14 | 1110 |
| 14 | 1110 | - | 2 | 0010 |
| 2 | 0010 | - | 0 | 0000 |
| 0 | 0000 | - | 5 | 0101 |
| 5 | 0101 | - | 15 | 1111 |
| 15 | 1111 | - | 10 | 1010 |