|  |  |
| --- | --- |
| Синхронный RS-триггер | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  | Операция | | 0 | \* | \* |  | Хранение | | 1 | 1 | 1 |  | Хранение | | 1 | 1 | 0 | 1 | Установка | | 1 | 0 | 1 | 0 | Сброс | | 1 | 0 | 0 | \* | Не определено | | |  |  |  | | --- | --- | --- | |  |  |  | | 0 → 0 | \* | 1 | | 0 → 1 | 1 | 0 | | 1 → 0 | 0 | 1 | | 1 → 1 | 1 | \* | |
| Синхронный D-триггер | |
| |  |  |  |  | | --- | --- | --- | --- | |  |  |  | Операция | | 0 | 0 |  | Хранение | | 0 | 1 |  | Хранение | | 1 | 0 | 0 | Сброс | | 1 | 1 | 1 | Установка | | |  |  | | --- | --- | |  |  | | 0 → 0 | 0 | | 0 → 1 | 1 | | 1 → 0 | 0 | | 1 → 1 | 1 | |
| Синхронный T-триггер | |
| |  |  |  |  | | --- | --- | --- | --- | |  |  |  | Операция | | 0 | 0 |  | Хранение | | 0 | 1 |  | Хранение | | 1 | 0 |  | Хранение | | 1 | 1 |  | Инверсия | | |  |  | | --- | --- | |  |  | | 0 → 0 | 0 | | 0 → 1 | 1 | | 1 → 0 | 1 | | 1 → 1 | 0 | |
| Синхронный JK-триггер | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  | Операция | | 0 | \* | \* |  | Хранение | | 1 | 0 | 0 |  | Хранение | | 1 | 0 | 1 | 1 | Установка | | 1 | 1 | 0 | 0 | Сброс | | 1 | 1 | 1 |  | Инверсия | | |  |  |  | | --- | --- | --- | |  |  |  | | 0 → 0 | 0 | \* | | 0 → 1 | 1 | \* | | 1 → 0 | \* | 1 | | 1 → 1 | \* | 0 | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Универсальный -триггер | | | | | | |
|  |  |  |  |  |  | Операция |
| 0 | 0 | \* | \* | \* | \* | Не определенно |
| 0 | 1 | \* | \* | \* | 1 | Асинхронная установка |
| 1 | 0 | \* | \* | \* | 0 | Асинхронный сброс |
| 1 | 1 | \* | \* | 0 |  | Хранение |
| 1 | 1 | 0 | 0 | 1 |  | Хранение |
| 1 | 1 | 0 | 1 | 1 | 0 | Сброс |
| 1 | 1 | 1 | 0 | 1 | 1 | Установка |
| 1 | 1 | 1 | 1 | 1 |  | Инверсия |

Диаграммы Вейча



|  |  |  |  |
| --- | --- | --- | --- |
| 3 | 7 | 6 | 2 |
| 11 | 15 | 14 | 10 |
| 9 | 13 | 12 | 8 |
| 1 | 5 | 4 | 0 |





